Oracle Communications ASAP™ Cartridge 1.0 GA Release for Comverse VMS 3.4.2

Comverse VMS 3.4.2 Cartridge Guide

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Cartridge Overview

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

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

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

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

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

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

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

Cartridge content

An ASAP cartridge contains the following:

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

◆ A set of atomic actions in the form of Atomic Service Description Layer (ASDL) commands

◆ A set of Common Service Description Layer (CSDL) commands that form meaningful services

◆ Sample work orders

◆ Installation scripts

Prerequisites

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

◆ A knowledge of ASAP programming concepts

◆ A good working knowledge of the UNIX operating system

◆ A thorough understanding of service and network provisioning

◆ Familiarity with telecommunications

About this guide

This guide provides a detailed description of the Comverse VMS 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.

The Comverse VMS cartridge provides the ASAP service configuration and network element (NE) interface for provisioning voice mail services to subscribers on T_COMVERSE-VMS_3-4-2_NE NEs.

Services, features, and options

This cartridge supports the following services:

Table 1: Supported services

Service	Description
Add Voice Mail Subscriber	This service creates a new voice subscriber.
Delete Voice Mail Subscriber	This service deletes an existing voice subscriber.
Modify Voice Mail Subscriber	This service modifies the voice mail subscriber details.
Retrieve Voice Mail Subscriber	This service retrieves the voice mail subscriber record.
Block Subscriber	This service blocks all voice mail services to the subscribers.
Unblock Subscriber	This service unblocks a subscriber's mailbox.
Reset Subscriber	This service resets the subscriber record.
Change Generic ID	This service changes the subscriber/main phone/fax IDs.
Relocate Subscribers	Subscriber relocation is supported through an SRL cartridge, which should be installed if the SRL functionality is required. ◆ Refer to the **Comverse SRL 3.X** cartridge guide for more information on the Subscriber Relocation features and functionality.

Hardware and software requirements

The following sections contain the high-level software and hardware environment requirements for provisioning voice mail services on authentication center 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 version 4.7.2.

For more information on the operating environment of this ASAP version, refer to the ASAP version 4.7.2 Release Record.

Connecting to the NE

The protocol used to interact with the switch is either Telnet or SSH depending on a configuration flag implemented on this cartridge called SSH_SUPPORT. Commands are sent using the Host Interface for Administration (HIA) command format.

The Comverse Infinity platform supports only Telnet protocol. The Comverse Insight platform supports only SSH protocol.

Related documentations

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

◆ Hia6500.pdf

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Installing and Testing the Cartridge

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

◆ Downloading the cartridge
◆ Installing the cartridge using scripts
◆ Uninstalling the cartridge using scripts
◆ Testing the cartridge installation
◆ Deployment of the cartridge using Studio
◆ Uninstallation and Undeployment of the cartridge using Studio

Downloading the cartridge

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

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

To download the TAR file

1. Login to Oracle MetaLink internet home page (http://www.metalink.oracle.com).

2. Download the cartridge patch to your workstation.

To unTAR the TAR file

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

   ```
   mkdir <repository dir>
   ```

2. Copy the TAR file into the repository directory.

3. Untar ComverseVMS_3_4_2_R1_0_0.<buildId>.tar.

   ```
   tar xvf ComverseVMS_3_4_2_R1_0_0.<buildId>.tar
   ```

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

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

```
/ComverseVMS_3_4_2_R1_0_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

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

◆ Configures the Comverse VMS-specific NE using the SACT.

◆ Deploys the Comverse VMS cartridge service model (only if the Comverse VMS service model is not yet deployed) using the Service Activation Deployment Tool (SADT).

◆ Copies the Comverse VMS-specific jar files to the ASAP environment.

◆ Loads the sample work orders to the SRP database.

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

To install the cartridge

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

   ```
   installCartridge ComverseVMS_3_4_2_R1_0_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 Comverse VMS cartridge. The script executes the following tasks:

◆ Unconfigures Comverse VMS-specific NEs using the SACT.

◆ Undeploys the Comverse VMS cartridge service model (only if the Comverse VMS service model is already deployed) using the Service Activation Deployment Tool (SADT).

◆ Removes the Comverse VMS-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 ComverseVMS_3_4_2_R1_0_0.<timestamp>.sar
   ```

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

   ◆ WebLogic Hostname
   ◆ WebLogic HTTP Port
   ◆ WebLogic Login User ID
   ◆ WebLogic Login Password

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

Testing the cartridge installation

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

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

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

Configuring loopback and live mode parameters

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

Loopback mode

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

Table 2: Loopback Mode Parameter Settings

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

Live mode

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

Table 3: Live Mode Parameter Settings

Configuration Variable	Parameter Settings	Location
LOOPBACK_ON	0	ASAP.cfg

Communication parameters

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

Table 4: Communication parameters

param_label	param_value	param_desc
SSH_SUPPORT	NO	For Java only. The flag whether SSH is on or not.
SSH_VERSION	SSH2	For Java only. The SSH version.
SSH_PORT	22	For Java only. The SSH port number.
SSH_AUTH_METHOD	PASSWORD	For Java only. The authentication method PASSWORD or PUBLIC_KEY.
SSH_PREF_PUBLIC_KEY	PUBLIC_KEY_SSHRSA	For Java only. The preferred public key PUBLIC_KEY_SSHRSA or PUBLIC_KEY_SSHDSS.
HOST_NAME	HOST_CLLI	Machine name for the host NE.
HOST_IPADDR	10.6.1.40	Network IP address for the host NE.
PORT	23	Telnet service port.
HOST_USERID	test	For Java only. User name.
HOST_PASSWORD	test	For Java only. Password.
OPEN_TIMEOUT	100	For Java only. Connection establishment timeout (in seconds).
READ_TIMEOUT	100	For Java only. Timeout for the telnet read functions (in seconds).
LOGIN_PROMPT	login:	For Java only. The login prompt expected in the telnet session.
PASSWORD_PROMPT	Password:	For Java only. The password prompt expected in the telnet session.

Table 4: Communication parameters

param_label	param_value	param_desc
PROMPT	HST> :	Provisioning Prompt
UNIX_PROMPT	>	Unix Prompt
INTERACTIVE_PROG	trm_hst_inter	Returns Provision Prompt
USE_INTERACTIVE_PROG	NO	Use Interactive Prog
RESPONSELOG	true	Enable or Disables the Response Log
SRL_PROMPT	0	SRL Prompt
READ_ONLY_PARAMS_ADD	F116,F108	Read Only Parameters
READ_ONLY_PARAMS_MOD	F116,F108,F05,F06	Read Only Parameters

Modifying T_COMVERSE-VMS_3-4-2_NE.xml

Use the following procedure to modify T_COMVERSE-VMS_3-4-2_NE.xml.

To modify T_COMVERSE-VMS_3-4-2_NE.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 ComverseVMS_3_4_2_R1_0_0.sar to this new source directory.

    ```
    cp ComverseVMS_3_4_2_R1_0_0.sar ./<new_source_directory>
    ```

3. Change directory to <new_source_directory>.

    ```
    cd <new_source_directory>
    ```

4. Un-jar ComverseVMS_3_4_2_R1_0_0.sar. This extracts the contents of the sar file.

    ```
    jar xvf ComverseVMS_3_4_2_R1_0_0.sar
    ```

5. Edit <new_source_directory> T_COMVERSE-VMS_3-4-2_NE.xml in with the appropriate changes.

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

    ```
    CreateSar $PWD
    ```

7. Uninstall the cartridge using ComverseVMS_3_4_2_R1_0_0.sar. (That is, use the original sar file that you copied in Step 2 above—see "Uninstalling the cartridge using scripts" on page 7 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 8 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 Comverse VMS cartridge source.

Viewing the sample work orders

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

To view the sample work orders

1. Create a repository directory, copy the sar file to the new directory and un-jar the sar file, as described by Step 1 through Step 4 in "Modifying T_COMVERSE-VMS_3-4-2_NE.xml" on page 10.

2. Locate and view the sample work order files.

Deployment of the cartridge using Studio

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

The following are the steps involved:

1. Open Studio in design perspective. Choose **Import** from the **File** menu and select **Activation Archive (SAR)** under **Studio Wizards** to import the sar file. Browse for the path to the sar file and click **Finish**.

2. Create a new **Service Activation Project**.

3. Define a new **NE Entity**, based on the **NE Template** contained in the cartridge provided by Oracle.

4. Ensure that the primary pool of the newly created NE is different from the NE template primary pool. You can modify it, if necessary.

5. Ensure that the test work order provided with the cartridge targets the newly defined NE. If not, then modify the test work orders file(s).

6. Create a new **Activation Environment Project** from the **Studio** menu. (Use Studio help for more information).

7. Create **Activation Environment** inside the **Activation Environment Project** and configure the **Connection Details** tab with your Environment ID, Activation version and weblogic data.

8. Connect to your environment using the **Connect** button.

9. Select the **Cartridge** tab of the **Activation Environment** and click **Add** to add your projects to the environment. The cartridge and the newly created **Service Activation** should appear in the **Cartridges** list.

10. Deploy the **NetworkActivation** (NA) cartridge provided by Oracle. (No NE information is to be deployed with this cartridge, therefore it isn't necessary to deploy the **NEP map** info).

11. Deploy the **Service Activation** (SA) project as follows:

- ◆ On the **Cartridge** tab, select the necessary SA cartridge and press the **Deploy** button.
- ◆ Select the **NEP Map** tab of the **Activation Environment**. Choose the necessary **NEP** server from the drop-down box of the **Network Element Processors**.(Use Studio help for more information).
- ◆ Select the SA cartridge from the **Network Element Processor Map** and click the **Deploy** button.

12. Verify the **SADT** console to confirm the installation.

13. Go to ASAP environment.

14. Copy studio_2_6_0.jar file to the $ASAP_BASE/lib directory.

15. Add ${ASAP_BASE}/lib/studio_2_6_0.jar to the CLASSPATH in the JInterpreter file under $ASAP_BASE/programs directory.

16. Restart **ASAP** in order to start working with the cartridge.

Uninstallation and Undeployment of the cartridge using Studio

The following are the steps involved:

1. Connect to your environment using the **Connect** button.

2. Select the necessary cartridge from the **Environment Cartridge** list in Studio and click the **Undeploy** button.

3. Verify the **Environment Cartridge** list. The Check Box with the name of the cartridge that is disabled should be unchecked.

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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	Indicates one of the following parameter types: ◆ 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. For more information on parameter types, refer to the *ASAP Developer Reference*.
Class	Indicates one of the following parameter classifications: ◆ 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_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER
- A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER-RB
- A_COMVERSE-VMS_3-4-2_ADD_VIRTUAL-SUBSCRIBER
- A_COMVERSE-VMS_3-4-2_BLOCK_SUBSCRIBER
- A_COMVERSE-VMS_3-4-2_CHG_GENERIC-ID
- A_COMVERSE-VMS_3-4-2_CHG_GENERIC-ID-RB
- A_COMVERSE-VMS_3-4-2_DEL_SUBSCRIBER
- A_COMVERSE-VMS_3-4-2_DEL_SUBSCRIBER-RB
- A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER
- A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER-RB
- A_COMVERSE-VMS_3-4-2_MOD_VIRUTAL-SUBSCRIBER
- A_COMVERSE-VMS_3-4-2_QRY_GENERIC-ID-RB
- A_COMVERSE-VMS_3-4-2_QRY_SUBSCRIBER
- A_COMVERSE-VMS_3-4-2_QRY_SUBSCRIBER-RB
- A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER
- A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER-RB
- A_COMVERSE-VMS_3-4-2_UNBLOCK_SUBSCRIBER

A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

This service adds a new subscriber.

It is implemented by the Java method:
**com.mslv.cartridge.oss.comverse_vms_3_4_2.prov.ComverseVMSProvisionSubscr.create
eNewSubscriber**

Table 6: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	MCLI.			S	R
VM_ID	Unique ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R
HIA_COS_NUM	Subscriber's class of service.	Length: 3 digits		S	O

Table 6: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_USER_NAME	Subscriber's full name.	Length: 16 digits, Range: 1 to 9999999999999999		S	O
HIA_MAIN_PHONE_ NUM	Subscriber's phone number.	Length: 16 digits, Range: 1 to 9999999999999999		S	O
HIA_FAX_ID	Allows direct guest access to a subscriber's mailbox as if it were a fax machine.	Length: 16 digits, Range: 1 to 9999999999999999		S	O
HIA_MSU_ID	ID of the MSU on which to create the new subscriber.	Length: 3 digits, Range: 1 to 255		S	R
HIA_MSU_NAME	Name of the MSU where the subscriber is stored.	Length: 2 characters		S	O
HIA_PASSWORD	Mailbox password.	Length: 33 characters		S	O
HIA_ACCOUNT_NU M	Identifies a group of related subscribers.	Length: 8 characters		S	O
HIA_DIALING_PREF IX	A dialing prefix may be required before the subscriber's main phone number when that number is called.	Length: 4 digits, Range: 0 to 9999		S	O
HIA_PERSONAL_TO P_BOX	Relevant only when GenLogue is installed.	Length: 8 digits, Range: 100 to 99999999		S	O
HIA_LANGUAGE_ID	Defines the language of the system prompts played when the mailbox is accessed.	Length: 2 digits, Range: 1 to 16		S	O
HIA_SERVICE_LEVE L	Service level assigned to the subscriber.	Length: 3 digits, Range: 1 to 999		S	O

Table 6: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_ACCESS_RIGHTS	Access rights assigned to the subscriber.	Length: 2 digits, Range: 1 to 99		S	O
HIA_MAILING_LIST_LIMIT	Maximum number of entries the subscriber may define in each personal mailing list.	Length: 2 digits, Range: 0 to 99		S	O
HIA_ROUTING_CLASS	Controls outgoing calls and other system functions.	Length: 2 digits, Range: 0 to 99		S	O
HIA_FORWARDING_TYPE	Type of messages to be forwarded to the specified destination.	Format: String Length: 6 Range: Urgent, All, None		S	O
HIA_FORWARDING_PHONE	Selects the subscriber's main or alternate phone number as a forwarding destination.	Format: String, Length: 10, Values: Main, Alternate		S	O
HIA_PLAYED_MSGS	Determines whether a message is kept or deleted by default.	Format: String, Length: 7, Values: Keep, Delete		S	O
HIA_ALT_PHONE_NUM	Alternate phone number chosen by the subscriber for notification purposes.	Length: 20 digits, Range: 1 to 99999999999999999999		S	O
HIA_SENT_MSGS_LIMIT	Maximum length (in seconds) of a message, greeting, or voice signature that subscriber can record.	Length: 3 digits, Range: 1 to 999		S	O
HIA_MWI	Activates or deactivates the message waiting indication.	Length: 3 characters,Values YES, NO		S	O

Table 6: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_ALTERNATE_PHONE_DIAL_TYPE	Defines calling details for message notification.	Length: 2 digits, Range: 1 to 60		S	O
HIA_ALTERNATE_PHONE_NUM_OF_RETRIES	Number of notification attempts made to the recipient of a message.	Length: 2 digits, Range: 1 to 99		S	O
HIA_CASCADING_TO_TYPE	Specifies the destination for cascading.	Length: 7 characters, Values: BOX, PHONE		S	O
HIA_CASCADING_NUM	Cascading destination number.	Length: 14 characters		S	O
HIA_CASCADING_MSGS_KEEP	Defines whether a cascaded message is kept or deleted from the original mailbox.	Length: 7 characters		S	O
HIA_CASCADING_PAGER_TYPE	Defines how a pager is activated when cascading to a pager takes place.	Length: 2 digits, Range: 1 to 60		S	O
HIA_BILLING_NUM	Subscriber's calling card number.	Length: 18 digits		S	O
HIA_DIALING_TYPE	Defines how out dial is performed for message notification.	Length: 2 digits, Range: 1 to 60		S	O
HIA_AUTO_TRANSFER_TYPE	Type of faxes that are automatically transferred.	Length: 20 characters, Values: UNCONFIDENTIAL, ALL, NONE		S	O
HIA_AUTO_TRANSFER_DEST	A fax telephone number containing up to 13 characters and preceded by zero.	Length: 14 characters		S	O
HIA_OMI	Activates the OMI option.	Length: 5 characters		S	O

Table 6: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_DELIVERY_TIME_FROM	Start of time period during which the auto transfer faxes are delivered.	Length: 7 units of time		S	O
HIA_DELIVERY_TIME_TO	End of the delivery period for automatic fax transfer.	Length: 7 units of time		S	O
HIA_MAIN_PHONE_DIAL_TYPE	Defines how outdial is performed for message notification.	Length: 2 digits, Range: 1 to 58		S	O
HIA_MAIN_PHONE_NUM_OF_RETRIES	Number of notification attempts made to the recipient of a message.	Length: 2 digits, Range: 1 to 99		S	O
HIA_REACHABILITY	Controls system to initiated message forwarding to the main or alternate number upon demand from a host.	Length: 10 characters		S	O
HIA_RETENTION_TIME	Limits the number of days a mailbox can exist.	Length: 3 digits, Range: 1 to 999		S	O
HIA_MWI_IMPLEMENTATION_MODE	Specifies the MWI activation method.	Length: 13 characters. Range: DLX, TRM, CCS,DIAL, SMDI, ISDN,TRM_NOR EACH		S	O
HIA_MWI_ON_DIAL TYPE	The activation of the MWI signal if the MWI implementation mode is By Dialing.	Length: 2 digits, Range: 1 to 60		S	O

Table 6: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_MWI_OFF_DIALTYPE	Defines the deactivation of the MWI signal if the MWI implementation mode is By Dialing.	Length: 2 digits, Range: 1 to 60		S	O
HIA_COPY_TO_MAILBOX	Mailbox ID, which receives a duplicate of each message.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_EXT_SUB_ID	Reserved for future use.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_EXT_FAX_ID	Reserved for future use.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_EXT_MAIN_PHONE_NUM	Reserved for future use.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_P_1	Contains user to defined data for display only through the TRM.	Length: 2 digits, Range: 0 to 16		S	O
HIA_P_2	Contains user to defined data for display only through the TRM.	Length: 2 digits, Range: 0 to 12		S	O
HIA_MAIN_FORWARDING_BY	Defines forwarding to the main phone number if a notification is sent to main phone number.	Length: 5 characters. Range: DIAL, TRM		S	O
HIA_ALT_FORWARDING_BY	Defines forwarding to alternate phone number, if notification is sent to alternate phone number.	Length: 5 characters. Range: DIAL, TRM		S	O
HIA_PO_TYPE	Determines whether or not the subscriber has a personal operator.	Length: 10 characters. Values: ON, OFF, SCHEDULE		S	O

Table 6: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_PO_DESTINATION	Phone number of the personal operator.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_PO_DIALTYPE	Dial type of the personal operator.	Length: 2 digits, Range: 1 to 60		S	O
HIA_PO_TIME_FROM	Starting time for calls to be transferred to the subscriber's personal operator.	Length: 5 units of time		S	O
HIA_CR_DIALTYPE	Guest call return type.	Length: 2 digits, Range: 1 to 99		S	O
HIA_PO_TIME_TO	End of the time period for calls to be transferred to the personal operator.	Length: 5 units of time		S	O
HIA_SMDI_GROUP	An SMDI link for data transmission.	Length: 3 digits, Range: 0 to 250		S	O
HIA_ML_NUM	Mailing list numbers.	Length: 2 digits, Range: 1 to 20		S	O
HIA_ML_ITEMS	Mailing list items.	Length: 255 characters		S	O
HIA_PAGER_TIME_FROM	The administrator and the subscriber can define a schedule for the subscriber notification.	Length: 21 units of time		S	O
HIA_PAGER_TIME_TO	Specifies the time of the day until which the subscriber notification will be available.	Length: 21 units of time		S	O
HIA_TIMEZONE	Time zone for each mailbox.	Length: 2 digits, Range: 0 to 24		S	O
HIA_WEEKEND_PAGER_FROM	Notification option.	Length: 7 units of time		S	O

Table 6: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_WEEKEND_PAGER_TO	Notification option.	Length: 7 units of time		S	O
HIA_ENABLE_PAGING	Enables or disables the subscriber notification.	Length: 3 characters		S	O
HIA_ENABLE_WEEKEND_PAGING	The administrator can specify the time of the day in which the notification will be available.	Length: 3 characters		S	O
HIA_MSG_RT_CLS	Provides routing class services for message delivery between subscribers.	Length: 2 digits, Range: 0 to 99		S	O
HIA_CR_RT_CLS	Call return routing class (filter) field.	Length: 3 digits, Range: 0 to 255		S	O
HIA_PO_RT_CLS	Personal operating class field.	Length: 3 digits, Range: 0 to 255		S	O
HIA_PARTITION_ID	Indicates whether the subscriber is a corporate subscriber, as well as containing the Dbox ID.	Length: 16 characters		S	O
HIA_TEMP_SETUP_FLAG	When defining a new subscriber with a temporary setup, a special COS is assigned to the subscriber.	Length: 3 characters		S	O
HIA_ADDITIONAL_ACCESS_NUMBERS	The number of access IDs to enable access to the same mailbox from fixed and mobile networks.	Length: 250 characters		S	O
HIA_GROUP_NAME	Defines a group of subscribers within a limited area.	Length: 5 digits, Range: 0 to 65,536		S	O

Table 6: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_SKIP_PASSWORD_CHECK	Enables a user to skip the entry of a password when signing on.	Length: 12 characters. Values: ALWAYS REMOTE, ALWAYS IN,ALWAYS OUT		S	O
HIA_GUEST_LANGUAGE	The subscriber can choose the language for a guest session.	Length: 2 digits, Range: 1 to 16		S	O
HIA_SMS_LANGUAGE	The subscriber can choose the language for short message service (SMS) message.	Length: 2 digits, Range: 1 to 16		S	O
HIA_REACHABILITY_DT_MAIN	Main phone dial type to differentiate between dialing functions and forwarding dialing types.	Length: 2 digits, Range: 1 to 99		S	O
HIA_REACHABILITY_DT_ALT	Alternate phone dial type to differentiate between dialing functions and forwarding dialing types.	Length: 2 digits, Range: 1 to 60		S	O
HIA_ANNOUNCEMENT_MODE	Defines the existence of a guest announcement.	Length: 3 characters		S	O
HIA_NEW_EXT_SUB_ID	Change ID (CHID) command uses 4 fields. NEW_EXT_IDs are new subscriber IDs of the CHID command.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_NEW_EXT_FAX_ID	New Fax ID field, which will change after the CHID is implemented.	Length: 16 digits, Range: 100 to 9999999999999999		S	O

Table 6: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_NEW_EXT_MAIN_PHONE_NUM	New telephone number ID field, which will change after the CHID is implemented.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_TARGET_MBOX	New mailbox that will receive messages via the copy message command.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_SRL_MMU_RESPONSE_TIME	Time to out value of the relocation of messages during the copy message command.	Length: 21 characters		S	O
HIA_EMAP_STORAGE	This field is used as storage for the EMAP function.	Length: 25 characters		S	O
HIA_TARGET_MSU	Subscribers may be transferred (relocated) to a specific, targeted MSU within the bounds of a single TRM or to an MSU.	Length: 3 digits, Range: 0 to 999		S	O
HIA_TARGET_TRM	Subscriber is assigned to an MSU based on load sharing when an MSU is not targeted.	Length: 3 digits, Range: 0 to 999		S	O
HIA_EPARAM01	TARGET_MSU EmapBit parameter 01.	Length: 3 characters		S	O
HIA_EPARAM02	TARGET_TRM EmapBit parameter 02.	Length: 3 characters		S	O
HIA_EPARAM03	EmapBit parameter 03.	Length: 3 characters		S	O
HIA_EPARAM04	EmapBit parameter 04.	Length: 3 characters		S	O
HIA_EPARAM05	EmapBit parameter 05.	Length: 3 characters		S	O
HIA_EPARAM06	EmapBit parameter 06.	Length: 3 characters		S	O

Table 6: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_EPARAM07	EmapBit parameter 07.	Length: 3 characters		S	O
HIA_BULLETIN_GROUP	Subscriber is included in a bulletin group and receives a message each time a bulletin is released.	Length: 2 digits, Range: 1 to 99		S	O
HIA_CAPTURE_EMPTY_MSG	Enables a short message containing the CLI and the time of the call, if a caller hangs up without leaving a message.	Length: 10 characters. Values: Yes 1, NO 2, UNKNOWN 4		S	O
HIA_NEW_USER_TUTORIAL	Enables the TRM to recognize whether a subscriber (new or modified) has heard a New User Tutorial (NUT). If the user has not heard a specific NUT, the TRM allows the subscriber to hear it.	Length: 11 characters. Values: YES, NO, UNKNOWN, PW_ONLY, OGM_ONLY, VS_ONLY,PW_OGM_ONLY,PW_VS_ONLY, OGM_VS_ONLY		S	O
HIA_ALT2_PHONE_NUM	Additional notification numbers.	Length: 20 characters		S	O
HIA_ALT3_PHONE_NUM	Additional notification numbers.	Length: 20 characters		S	O
HIA_ALT2_DIAL_TYPE	Additional notification numbers.	Length: 2 digits, Range: 1 to 60		S	O
HIA_ALT3_DIAL_TYPE	Additional notification numbers.	Length: 2 digits, Range: 1 to 60		S	O
HIA_TEXT_1	For internal use only.	Length: 25 characters		S	O
HIA_TEXT_2	For internal use only.	Length: 25 characters		S	O
HIA_TEXT_3	For internal use only.	Length: 25 characters		S	O
HIA_TEXT_4	For internal use only.	Length: 255 characters		S	O

Table 6: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_AMTE_DEFAULT_EMAIL_ADDRESS	Predefines the subscriber's default email address.	Length: 32 chars. Values: NONE, 0, ALL, 1, URGENT, 2.		S	O
HIA_AMTE_MESSAGE_TYPE	Enables an option to select the message type (Urgent, Normal, or All).	Length: 32 characters. Values: NONE, 0, VOICE, 1, FAX, 2, BOTH, 3.		S	O
HIA_AMTE_MESSAGE_DATA_TYPE	Enables the transferring of both voice and fax message data types to an email address.	Length: 256 characters		S	O
HIA_AMTE_KEEP_DELETE	Enables the storing or deleting of messages after transfer to an email address.	Value: 0/keep/KEEP/1/delete/DELETE		S	O
HIA_VOISMS_MSG_LENGTH	Controls the VoiSMS maximum message length.	Format: String, Length: 7, Value: KEEP, DELETE		S	O
HIA_VOISMS_KEEP_DELETE	Controls keeping played VoiSMS messages.	Length: 1, Range: 0 to 3		S	O
HIA_VOISMS_NOTIF_TYPE	Defines what type of VoiSMS notification the sender of the message receives.	Length: 2 digits, Range: 0 to 99		S	O
HIA_FAX_RT_CLS	Defines which phone numbers are available/restricted to a subscriber.	Length: 1 digit, Range: 0 to 4		S	O
HIA_FIFO_LIFO	By defining the appropriate COS, messages can be played on a FIFO basis, or LIFO basis.	Length: 2 digits, Range: 0 to 99		S	O

Table 6: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_RING_DURATION	The number of rings is provisioned when creating a new subscriber profile.	Length: 2 digits, Range: 0 to 99		S	O
HIA_IMAP_SERVER_NAME	MSU NG parameter. Defines the MIPS name.	Length: 40 characters		S	O
HIA_IMAP_LOGIN_NAME	Read only. MSU NG parameter. Defines the login to log in to the Email server.	Length: 30 characters		S	O
HIA_SMTP_USER	MSU NG parameter. Defines the username for the MIPS.	Length: 30 characters		S	O
HIA_SMTP_DOMAIN_NAME	MSU NG parameter. Defines the domain name for the MIPS.	Length: 30 characters		S	O
HIA_VOISMS_CLI	The VoiSMS service is accessed first by a data session and then by a voice session. This parameter enables access by data session to be forwarded directly to the voice session.	Format: Numeric		S	O
HIA_CHANGING_EMS	Determines whether the EMS (MIPS) is changed during SRL.	Values: Y, N, YES_WITHOUT_VIDEO		S	O
HIA_CVVM_AUTO_ENROLLMENT_ENABLED	Enables/disables OTA registration on the CVVM service from the handset.	Values: Y, N, Yes, No		S	O
HIA_CVVM_DIAL_IN_ENABLED	Enables/disables dial to in applications on the MSU.	Values: Y, N, Yes, No		S	O

Table 6: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_CVVM_NOTIF_ ENABLED	Enabled by the RG command, so that CVVM notification is activated for a specific subscriber.	Values: Y, N, Yes, No		S	O
HIA_CVVM_NOTIF_ METHOD	Determines the method in which the CVVM notification message is sent.	Values: 0 = Unknown 1 = Simple (Symbian) 2 = Brew		S	O
HIA_WHO_CALLED _ENABLED	Enables the who called service.	Length: 3 characters		S	O
HIA_SERVICE_OPTI ONS	VXML subscriber services (set to ON).	Length: 3 digits, Range: 0 to 255		S	O
HIA_EXT_SERVICES	Specifies an MSU internal parameter used by Emap.	Length: 2 digits, Range: 0 to 15		S	O
HIA_INOT_ENABLE D	Enables/disables the Interactive Notification (IVMN) service.	Length: 8 characters		S	O
HIA_INOT_CLASS	Specifies the service class of an IVMN subscriber.	Length: 4 characters		S	O
HIA_LISTEN_OPTIO N	Specifies the format of the introduction header message.	Length: 1 character		S	O
HIA_PO_ALLOWED_ DATE	Various setups for PO scheduling.	Length: 3 digits, Range: 1 to 999		S	O
HIA_EPARAM08	EmapBit parameter 08.	Length: 3 characters		S	O
HIA_SUBSET_NAME	The Fkeys use SQLR command to retrieve defaults and COS.	Values: Y, N, YES, NO, T, true, 1, F, false, 0, U, B		S	O
HIA_NL_ENTRY	The number of the notification list entry.			S	O

Table 6: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_NL_MEDIA	Equivalent to the implementation mode field.	Format: String Length: 80 Illegal values: [space]		S	O
HIA_NL_DEST	Destination of the MWI.	Format: String Length: 8		S	O
HIA_NL_ON	Implementation mode is set to TRM or DIAL, these fields determine the dialing sequence necessary to activate and deactivate the subscriber's MWI.	Length: 4 chars. Values: NONE, 0, NLU, 1,VXL, 2		S	O
HIA_NL_OFF	Implementation mode is set to TRM or DIAL, these fields determine the dialing sequence necessary to activate and deactivate the subscriber's MWI.			S	O
HIA_NL_SMDI	If SMDI is selected as the implementation mode, this parameter determines the SMDI group to use.			S	O
HIA_DBOX_ID	This accepts value for Dialogue box ID.			S	O
HIA_DBOX_NAME	This accepts value for Dialogue box name.	Format: numeric Length: 16 Range: 100-9999999999999999		S	O
HIA_DBOX_TIMEOUT	This accepts value for Dialogue box time out.	Format: numeric Length: 3 Range: 1-999		S	O
HIA_DBOX_REPETITION	This accepts value for Dialogue box repetition.	String of length 30 characters		S	O

Table 6: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_DBOX_ENV	This accepts value for Dialogue box environment.	Format: numeric Length: 16 Range: 1-9999999999999999		S	O
HIA_DBOX_START _RECORD	This accepts value for Dialogue box start record.	Format: numeric Length: 16 Range: 1-9999999999999999		S	O
HIA_DBOX_TSR_EN V	This accepts value for Dialogue box TSR env.	Format: numeric Length: 3 Range: 1-255		S	O
HIA_DBOX_GREET_ TYPE	This accepts value for Dialogue box greet type.	Format: String Length: 2		S	O
HIA_DBOX_GREET_ NUMBER	This accepts value for Dialogue box greet number.	Format: String. Length: 10		S	O
HIA_DBOX_OPERAT ION	This accepts value for Dialogue box operation.	Format: String Length: 8		S	O
HIA_MSI_ID_LIST	MSI ID list.	Format: numeric Length: 4 Range: 0-9999		S	O
HIA_TARGET_ MSU_ID_LIST	Target MSU ID list.	Format: numeric Length: 8 Range: 100-9999999999		S	O
HIA_TARGET_ TRM_ID_LIST	Target TRM ID list.	Format: numeric Length: 2 Range: 1-16		S	O
HIA_LAUNCHED_ APPLICATION_URL	The URL to which the user is connected (from the DBOX).	Format: String Length: 80 Values: A legal URL. Status: Optional		S	O
HIA_EXT_SERVICE_ RETURN_DBOX	The DBOX ID that the user will be connected to after VXML termination.	Format: String Length: 8 Values: A legal Dbox ID. Status: Optional		S	O

Table 6: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_HOST_TYPE	The kind of platform type: NONE, NLU, VXL.	Format: String Length: 1 Values: 0, 1, 2 Status: Optional		S	O
HIA_FAX_MAIL_EN ABLED	Indicated if the Fax mail message type is open.	Format: String Length: 1 Values: Y, N, 1, 0 Status: Optional		S	O
HIA_EMAIL_ENABL ED	Indicated if the Email message type is open.	Format: String Length: 1 Values: Y, N, 1, 0 Status: Optional		S	O
HIA_MMAILENABL ED	MM mail enabled.			S	O
HIA_WAPPUSHENA BLED	Wap push enabled.			S	O
HIA_HANDSETTYPE	Handset type.			S	O
HIA_TUI_EXCLUDE _MESSAGE	Indicates which message types are disabled for TUI access. Multiple values can be entered.	Length: 256		S	O
HIA_ACTIVATE_VM _PA	This field indicates whether Voicemail PA is active, although the profile is defined in the TRM/MSU. (To be used by the TRM-AUX and SRL processes.)	Format: String Length: 1 Values: Y, N Status: Optional		S	O
HIA_CORPORATE_I D	HIA Corporate ID.	Format: String Length: 7 Values: KEEP, DELETE		S	O
HIA_REMOTE_FILE	Remote file.	Format: numeric Length: 20 Range: 1-9999 9999999999999999		S	O

Table 6: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_LOCAL_PATH	Local path.	Format: numeric Length: 3 Range: 1-999		S	O
HIA_ISSAC_VALID	According to value (1/2/3) applies/does not apply. Verification and divert for the subscriber's main phone through the ISSAC.	Format: String Length: 1 Values: Y, N		S	O
HIA_VOICE_MAIL_MWI_TYPE	Voicemail message waiting indication is enabled with an ON/OFF feature. New values for MWI_TYPE are defined via the message notification screen.	Format: String Length: 8 Values: ALL (1), NORMAL (2), URGENT (3)		S	O
HIA_ML_FROM	Mailing list retrieval from the TRM via the MSU. ML_FROM specifies from which address data is received.	Format:String Length: 10 Status: Optional		S	O
HIA_ML_AMOUNT	Sets the amount of data to be retrieved. Mailing list retrieval is in groups of 50 addresses starting from a specified point. After receiving 50 addresses, additional data may be received from the same ML in increments of 50.	Format: String Length: 10 Default: 50 Status: Optional		S	O
HIA_TRANSID2	Transid2. Not for regular provisioning use. This is an optional parameter.			S	O

Table 6: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_MSU_ACCOUNT_ENABLED	Indicates whether the subscriber's MSU account is enabled.	Format: String		S	O
HIA_TRANSID1	Transid1. Not for regular provisioning use. This is an optional parameter.			S	O
HIA_SERVICE_BAR_ID	Service bar ID.	Format: Numeric Length: 3 digits Range: 0-256 Status: Optional		S	O
HIA_SERVICE_BAR_NAME	Service bar name.	Format: String Length: 20 Status: Optional		S	O
HIA_GR_NUM	GR num.	Format: Numeric Length: 3 digits Range 0-256 Status: Optional		S	O
HIA_OUTDIAL_DESTINATION	Outdial by HIA permits the system administrator to have TRILOGUE INfinity initiate an outcall to any subscriber or non-subscriber by invoking an HIA command. The outcall is handled as a standard subscriber delivery session.	Format: String Length: 10 Status: This field is currently unavailable.		S	O
HIA_OUTDIAL_DLV_TIME	Optional field, which defines the delivery time and date and specifies that the outdial is placed in the FUD table. If there is no date specified, the default delivery time is the current time.	Format: String Length: 10 Status: This field is currently unavailable.		S	O

Table 6: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_OUTDIAL_ DIALING_TYPE	Optional field which specifies the dial type for the outdial function. This is a string of length 10 characters.	Status: This field is currently unavailable.		S	O
HIA_DESTINATION	Destination.			S	O
HIA_OUTDIAL_DBO X	Outdial Dbox.			S	O
HIA_MESSAGE_NU M	Message num.			S	O
HIA_PREV_COS	Prev cos.			S	O
HIA_MSG_PARAM	Msg param.			S	O
HIA_IMAP_PASSWO RD	Voicemail password. Defines the password to enter the Email server.	Format: String Length: 30 Status: Optional when F146 is set to Y		S	O
HIA_MSUNG_TYPE	MSU next generation enabled.	Format: String Length: 1 Values: Y, N; Must be set to Y to enable F141-F145.		S	O

MML Commands

```
<Command Code><ID>[<Optional Parameter1>=<value1><comma><Optional
Parameter2>=<value2>...]

Where

<Command Code> = C

<ID> = Subscriber ID

<Optional Parameter> = List of optional parameters

Note: Instead of using parameter names to build the command, this cartridge
will use its code, called Fkeys.
```

Output Parameters

RETURN AS CSDL PARAMETER(S):

A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER_UDET=

RETURN AS INFO PARAMETER(S):

A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER_RETURN_INFO=ID: <SUB_ID>
ERROR: <Error Code> Message string

A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER-RB

Rollback feature for Add Subscriber service.

It is implemented by the Java method:
**com.mslv.cartridge.oss.comverse_vms_3_4_2.prov.ComverseVMSProvisionSubscr.creat
eNewSubscriberRB**

Table 7: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	MCLI.			S	R
VM_ID	Unique ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R
OLD_HIA_COS_NUM	Subscriber's class of service.	Length: 3 digits		S	O
OLD_HIA_USER_NAME	Subscriber's full name.	Length: 16 digits, Range: 1 to 9999999999999999		S	O
OLD_HIA_MAIN_PHONE_NUM	Subscriber's phone number.	Length: 16 digits, Range: 1 to 9999999999999999		S	O
OLD_HIA_FAX_ID	Allows direct guest access to a subscriber's mailbox as if it were a fax machine.	Length: 16 digits, Range: 1 to 9999999999999999		S	O
OLD_HIA_MSU_ID	ID of the MSU on which to create the new subscriber.	Length: 3 digits, Range: 1 to 255		S	R
OLD_HIA_MSU_NAME	Name of the MSU where the subscriber is stored.	Length: 2 characters		S	O

Table 7: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_PASSWORD	Mailbox password.	Length: 33 characters		S	O
OLD_HIA_ACCOUNT_NUM	Identifies a group of related subscribers.	Length: 8 characters		S	O
OLD_HIA_DIALING_PREFIX	A dialing prefix may be required before the subscriber's main phone number when that number is called.	Length: 4 digits, Range: 0 to 9999		S	O
OLD_HIA_PERSONAL_TOP_BOX	Relevant only when GenLogue is installed.	Length: 8 digits, Range: 100 to 99999999		S	O
OLD_HIA_LANGUAGE_ID	Defines the language of the system prompts played when the mailbox is accessed.	Length: 2 digits, Range: 1 to 16		S	O
OLD_HIA_SERVICE_LEVEL	Service level assigned to the subscriber.	Length: 3 digits, Range: 1 to 999		S	O
OLD_HIA_ACCESS_RIGHTS	Access rights assigned to the subscriber.	Length: 2 digits, Range: 1 to 99		S	O
OLD_HIA_MAILING_LIST_LIMIT	Maximum number of entries the subscriber may define in each personal mailing list.	Length: 2 digits, Range: 0 to 99		S	O
OLD_HIA_ROUTING_CLASS	Controls outgoing calls and other system functions.	Length: 2 digits, Range: 0 to 99		S	O
OLD_HIA_FORWARDING_TYPE	Type of messages to be forwarded to the specified destination.	Format: String Length: 6 Range: Urgent, All, None		S	O

Table 7: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_FORWAR DING_PHONE	Selects the subscriber's main or alternate phone number as a forwarding destination.	Format: String, Length: 10, Values: Main, Alternate		S	O
OLD_HIA_PLAYED_ MSGS	Determines whether a message is kept or deleted by default.	Format: String, Length: 7, Values: Keep, Delete		S	O
OLD_HIA_ALT_PHO NE_NUM	Alternate phone number chosen by the subscriber for notification purposes.	Length: 20 digits, Range: 1 to 9999999999999999999 9		S	O
OLD_HIA_SENT_MS GS_LIMIT	Maximum length (in seconds) of a message, greeting, or voice signature that subscriber can record.	Length: 3 digits, Range: 1 to 999		S	O
OLD_HIA_MWI	Activates or deactivates the message waiting indication.	Length: 3 characters, Values YES, NO		S	O
OLD_HIA_ALTERNA TE_PHONE_DIAL_T YPE	Defines calling details for message notification.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_ALTERNA TE_PHONE_NUM_O F_RETRIES	Number of notification attempts made to the recipient of a message.	Length: 2 digits, Range: 1 to 99		S	O
OLD_HIA_CASCADI NG_TO_TYPE	Specifies the destination for cascading.	Length: 7 characters, Values: BOX, PHONE		S	O
OLD_HIA_CASCADI NG_NUM	Cascading destination number.	Length: 14 characters		S	O
OLD_HIA_CASCADI NG_MSGS_KEEP	Defines whether a cascaded message is kept or deleted from the original mailbox.	Length: 7 characters		S	O

Table 7: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_CASCADING_PAGER_TYPE	Defines how a pager is activated when cascading to a pager takes place.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_BILLING_NUM	Subscriber's calling card number.	Length: 18 digits		S	O
OLD_HIA_DIALING_TYPE	Defines how out dial is performed for message notification	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_AUTO_TRANSFER_TYPE	Type of faxes that are automatically transferred.	Length: 20 characters, Values: UNCONFIDENTIAL, ALL, NONE		S	O
OLD_HIA_AUTO_TRANSFER_DEST	A fax telephone number containing up to 13 characters and preceded by zero.	Length: 14 characters		S	O
OLD_HIA_OMI	Activates the OMI option.	Length: 5 characters		S	O
OLD_HIA_DELIVERY_TIME_FROM	Start of time period during which auto transfer faxes are delivered.	Length: 7 units of time		S	O
OLD_HIA_DELIVERY_TIME_TO	End of the delivery period for automatic fax transfer.	Length: 7 units of time		S	O
OLD_HIA_MAIN_PHONE_DIAL_TYPE	Defines how outdial is performed for message notification.	Length: 2 digits, Range: 1 to 58		S	O
OLD_HIA_MAIN_PHONE_NUM_OF_RETRIES	Number of notification attempts made to the recipient of a message.	Length: 2 digits, Range: 1 to 99		S	O

Table 7: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_REACHA BILITY	Controls system to initiated message forwarding to the main or alternate number upon demand from a host.	Length: 10 characters		S	O
OLD_HIA_RETENTI ON_TIME	Limits the number of days a mailbox can exist.	Length: 3 digits, Range: 1 to 999		S	O
OLD_HIA_MWI_IMP LEMENTATION_MO DE	Specifies the MWI activation method.	Length: 13 characters. Range: DLX, TRM, CCS,DIAL, SMDI, ISDN,TRM_NOR EACH		S	O
OLD_HIA_MWI_ON_ DIALTYPE	The activation of the MWI signal if the MWI implementation mode is By Dialing.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_MWI_OFF _DIALTYPE	Defines the deactivation of the MWI signal if the MWI implementation mode is By Dialing.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_COPY_TO _MAILBOX	Mailbox ID, which receives a duplicate of each message.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_EXT_SUB _ID	Reserved for future use.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_EXT_FAX _ID	Reserved for future use.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_EXT_MAI N_PHONE_NUM	Reserved for future use.	Length: 16 digits, Range: 100 to 9999999999999999		S	O

Table 7: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_P_1	Contains user to defined data for display only through the TRM.	Length: 2 digits, Range: 0 to 16		S	O
OLD_HIA_P_2	Contains user to defined data for display only through the TRM.	Length: 2 digits, Range: 0 to 12		S	O
OLD_HIA_MAIN_FORWARDING_BY	Defines forwarding to the main phone number if a notification is sent to the main phone number.	Length: 5 characters. Range: DIAL, TRM		S	O
OLD_HIA_ALT_FORWARDING_BY	Defines forwarding to alternate phone number, if notification is sent to alternate phone number.	Length: 5 characters. Range: DIAL, TRM		S	O
OLD_HIA_PO_TYPE	Determines whether or not the subscriber has a personal operator.	Length: 10 characters. Values: ON, OFF, SCHEDULE		S	O
OLD_HIA_PO_DESTINATION	Phone number of the personal operator.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_PO_DIALTYPE	Dial type of the personal operator.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_PO_TIME_FROM	Starting time for calls to be transferred to the subscriber's personal operator.	Length: 5 units of time		S	O
OLD_HIA_CR_DIALTYPE	Guest call return type.	Length: 2 digits, Range: 1 to 99		S	O
OLD_HIA_PO_TIME_TO	End of the time period for calls to be transferred to the personal operator.	Length: 5 units of time		S	O

Table 7: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_SMDI_GROUP	An SMDI link for data transmission.	Length: 3 digits, Range: 0 to 250		S	O
OLD_HIA_ML_NUM	Mailing list numbers.	Length: 2 digits, Range: 1 to 20		S	O
OLD_HIA_ML_ITEMS	Mailing list items.	Length: 255 characters		S	O
OLD_HIA_PAGER_TIME_FROM	The administrator and the subscriber can define a schedule for the subscriber notification.	Length: 21 units of time		S	O
OLD_HIA_PAGER_TIME_TO	Specifies the time of the day until which the subscriber notification will be available.	Length: 21 units of time		S	O
OLD_HIA_TIMEZONE	Time zone for each mailbox.	Length: 2 digits, Range: 0 to 24		S	O
OLD_HIA_WEEKEND_PAGER_FROM	Notification option.	Length: 7 units of time		S	O
OLD_HIA_WEEKEND_PAGER_TO	Notification option.	Length: 7 units of time		S	O
OLD_HIA_ENABLE_PAGING	Enables or disables the subscriber notification.	Length: 3 characters		S	O
OLD_HIA_ENABLE_WEEKEND_PAGING	The administrator can specify the time of the day in which the notification will be available.	Length: 3 characters		S	O
OLD_HIA_MSG_RT_CLS	Provides routing class services for message delivery between subscribers.	Length: 2 digits, Range: 0 to 99		S	O

Table 7: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_CR_RT_CLS	Call return routing class (filter) field.	Length: 3 digits, Range: 0 to 255		S	O
OLD_HIA_PO_RT_CLS	Personal operating class field.	Length: 3 digits, Range: 0 to 255		S	O
OLD_HIA_PARTITION_ID	Indicates whether the subscriber is a corporate subscriber, as well as containing the Dbox ID.	Length: 16 characters		S	O
OLD_HIA_TEMP_SETUP_FLAG	When defining a new subscriber with a temporary setup, a special COS is assigned to the subscriber.	Length: 3 characters		S	O
OLD_HIA_ADDITIONAL_ACCESS_NUMBERS	The number of access IDs to enable access to the same mailbox from fixed and mobile networks.	Length: 250 characters		S	O
OLD_HIA_GROUP_NAME	Defines a group of subscribers within a limited area.	Length: 5 digits, Range: 0 to 65,536		S	O
OLD_HIA_SKIP_PASSWORD_CHECK	Enables a user to skip the entry of a password when signing on.	Length: 12 characters. Values: ALWAYS REMOTE, ALWAYS IN,ALWAYS OUT		S	O
OLD_HIA_GUEST_LANGUAGE	The subscriber can choose the language for a guest session.	Length: 2 digits, Range: 1 to 16		S	O
OLD_HIA_SMS_LANGUAGE	The subscriber can choose the language for short message service (SMS) message.	Length: 2 digits, Range: 1 to 16		S	O

Table 7: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_REACHA BILITY_DT_MAIN	Main phone dial type to differentiate between dialing functions and forwarding dialing types.	Length: 2 digits, Range: 1 to 99		S	O
OLD_HIA_REACHA BILITY_DT_ALT	Alternate phone dial type to differentiate between dialing functions and forwarding dialing types.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_ANNOUN CEMENT_MODE	Defines the existence of a guest announcement.	Length: 3 characters		S	O
OLD_HIA_NEW_EXT _SUB_ID	Change ID (CHID) command uses 4 fields. NEW_EXT_IDs are new subscriber IDs of the CHID command.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_NEW_EXT _FAX_ID	New Fax ID field, which will change after the CHID is implemented.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_NEW_EXT _MAIN_PHONE_NU M	New telephone number ID field, which will change after the CHID is implemented.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_TARGET_ MBOX	New mailbox that will receive messages via the copy message command.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_SRL_MM U_RESPONSE_TIME	Time to out value of the relocation of messages during the copy message command.	Length: 21 characters		S	O

Table 7: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_EMAP_STORAGE	This field is used as storage for the EMAP function.	Length: 25 characters		S	O
OLD_HIA_TARGET_MSU	Subscribers may be transferred (relocated) to a specific, targeted MSU within the bounds of a single TRM or to an MSU.	Length: 3 digits, Range: 0 to 999		S	O
OLD_HIA_TARGET_TRM	Subscriber is assigned to an MSU based on load sharing when an MSU is not targeted.	Length: 3 digits, Range: 0 to 999		S	O
OLD_HIA_EPARAM01	TARGET_MSU EmapBit parameter 01.	Length: 3 characters		S	O
OLD_HIA_EPARAM02	TARGET_TRM EmapBit parameter 02.	Length: 3 characters		S	O
OLD_HIA_EPARAM03	EmapBit parameter 03.	Length: 3 characters		S	O
OLD_HIA_EPARAM04	EmapBit parameter 04.	Length: 3 characters		S	O
OLD_HIA_EPARAM05	EmapBit parameter 05.	Length: 3 characters		S	O
OLD_HIA_EPARAM06	EmapBit parameter 06.	Length: 3 characters		S	O
OLD_HIA_EPARAM07	EmapBit parameter 07.	Length: 3 characters		S	O
OLD_HIA_EPARAM08	EmapBit parameter 08.	Length: 3 characters		S	O

Table 7: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_BULLETIN_GROUP	Subscriber is included in a bulletin group and receives a message each time a bulletin is released.	Length: 2 digits, Range: 1 to 99		S	O
OLD_HIA_CAPTURE_EMPTY_MSG	Enables a short message containing the CLI and the time of the call, if a caller hangs up without leaving a message.	Length: 10 characters. Values: Yes 1, NO 2, UNKNOWN 4		S	O
OLD_HIA_NEW_USER_TUTORIAL	Enables the TRM to recognize whether a subscriber (new or modified) has heard a New User Tutorial (NUT). If the user has not heard a specific NUT, the TRM allows the subscriber to hear it.	Length: 11 characters. Values: YES, NO, UNKNOWN, PW_ONLY, OGM_ONLY, VS_ONLY,PW_OGM_ONLY,PW_VS_ONLY, OGM_VS_ONLY		S	O
OLD_HIA_ALT2_PHONE_NUM	Additional notification numbers.	Length: 20 characters		S	O
OLD_HIA_ALT3_PHONE_NUM	Additional notification numbers.	Length: 20 characters		S	O
OLD_HIA_ALT2_DIAL_TYPE	Additional notification numbers.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_ALT3_DIAL_TYPE	Additional notification numbers.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_TEXT_1	For internal use only.	Length: 25 characters		S	O
OLD_HIA_TEXT_2	For internal use only.	Length: 25 characters		S	O
OLD_HIA_TEXT_3	For internal use only.	Length: 25 characters		S	O
OLD_HIA_TEXT_4	For internal use only.	Length: 255 characters		S	O

Table 7: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_AMTE_DEFAULT_EMAIL_ADDRESS	Predefines the subscriber's default email address.	Length: 32 chars. Values: NONE, 0, ALL, 1, URGENT, 2.		S	O
OLD_HIA_AMTE_MESSAGE_TYPE	Enables an option to select the message type (Urgent, Normal, or All).	Length: 32 characters. Values: NONE, 0, VOICE, 1, FAX, 2, BOTH, 3.		S	O
OLD_HIA_AMTE_MESSAGE_DATA_TYPE	Enables the transferring of both voice and fax message data types to an email address.	Length: 256 characters		S	O
OLD_HIA_AMTE_KEEP_DELETE	Enables the storing or deleting of messages after transfer to an email address.	Value: 0/keep/KEEP/1/delete/DELETE		S	O
OLD_HIA_VOISMS_MSG_LENGTH	Controls the VoiSMS maximum message length.	Format: String, Length: 7, Value: KEEP, DELETE		S	O
OLD_HIA_VOISMS_KEEP_DELETE	Controls keeping played VoiSMS messages.	Length: 1, Range: 0 to 3		S	O
OLD_HIA_VOISMS_NOTIF_TYPE	Defines what type of VoiSMS notification the sender of the message receives.	Length: 2 digits, Range: 0 to 99		S	O
OLD_HIA_FAX_RT_CLS	Defines which phone numbers are available/restricted to a subscriber.	Length: 1 digit, Range: 0 to 4		S	O
OLD_HIA_FIFO_LIFO	By defining the appropriate COS, messages can be played on a FIFO basis, or LIFO basis.	Length: 2 digits, Range: 0 to 99		S	O

Table 7: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_RING_DURATION	The number of rings is provisioned when creating a new subscriber profile.	Length: 2 digits, Range: 0 to 99		S	O
OLD_HIA_IMAP_SERVER_NAME	MSU NG parameter. Defines the MIPS name.	Length: 40 characters		S	O
OLD_HIA_IMAP_LOGIN_NAME	Read only. MSU NG parameter. Defines the login to log in to the Email server.	Length: 30 characters		S	O
OLD_HIA_SMTP_USER	MSU NG parameter. Defines the username for the MIPS.	Length: 30 characters		S	O
OLD_HIA_SMTP_DOMAIN_NAME	MSU NG parameter. Defines the domain name for the MIPS.	Length: 30 characters		S	O
OLD_HIA_VOISMS_CLI	The VoiSMS service is accessed first by a data session and then by a voice session. This parameter enables access by data session to be forwarded directly to the voice session.	Format: Numeric		S	O
OLD_HIA_CHANGING_EMS	Determines whether the EMS (MIPS) is changed during SRL.	Values: Y, N, YES_WITHOUT_VIDEO		S	O
OLD_HIA_CVVM_AUTO_ENROLLMENT_ENABLED	Enables/disables OTA registration on the CVVM service from the handset.	Values: Y, N, Yes, No		S	O
OLD_HIA_CVVM_DIAL_IN_ENABLED	Enables/disables dial to in applications on the MSU.	Values: Y, N, Yes, No		S	O

Table 7: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_CVVM_NOTIF_ENABLED	Enabled by the RG command, so that CVVM notification is activated for a specific subscriber.	Values: Y, N, Yes, No		S	O
OLD_HIA_CVVM_NOTIF_METHOD	Determines the method in which the CVVM notification message is sent.	Values: 0 = Unknown 1 = Simple (Symbian) 2 = Brew		S	O
OLD_HIA_WHO_CALLED_ENABLED	Enables the who called service.	Length: 3 characters		S	O
OLD_HIA_SERVICE_OPTIONS	VXML subscriber services (set to ON).	Length: 3 digits, Range: 0 to 255		S	O
OLD_HIA_EXT_SERVICES	Specifies an MSU internal parameter used by Emap.	Length: 2 digits, Range: 0 to 15		S	O
HIA_INOT_ENABLED	Enables/disables the Interactive Notification (IVMN) service.	Length: 8 characters		S	O
OLD_HIA_INOT_CLASS	Specifies the service class of an IVMN subscriber.	Length: 4 characters		S	O
OLD_HIA_LISTEN_OPTION	Specifies the format of the introduction header message.	Length: 1 character		S	O
OLD_HIA_PO_ALLOWED_DATE	Various setups for PO scheduling.	Length: 3 digits, Range: 1 to 999		S	O
OLD_SUBSET_NAME	The Fkeys use SQLR command to retrieve defaults and COS.	Values: Y, N, YES, NO, T, true, 1, F, false, 0, U, B		S	O
OLD_HIA_NL_ENTRY	The number of the notification list entry.			S	O

Table 7: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_NL_MEDIA	Equivalent to the Implementation Mode field.	Format: String Length: 80 Illegal values: [space]		S	O
OLD_HIA_NL_DEST	Destination of the MWI.	Format: String Length: 8		S	O
OLD_HIA_NL_ON	Implementation mode is set to TRM or DIAL, these fields determine the dialing sequence necessary to activate and deactivate the subscriber's MWI.	Length: 4 chars. Values: NONE, 0, NLU, 1,VXL, 2		S	O
OLD_HIA_NL_OFF	Implementation mode is set to TRM or DIAL, these fields determine the dialing sequence necessary to activate and deactivate the subscriber's MWI.			S	O
OLD_HIA_NL_SMDI	If SMDI is selected as the implementation mode, this parameter determines the SMDI group to use.			S	O
OLD_HIA_DBOX_ID	This accepts value for Dialogue box ID.			S	O
OLD_HIA_DBOX_NAME	This accepts value for Dialogue box name.	Format: numeric Length: 16 Range: 100-9999999999999999		S	O
OLD_HIA_DBOX_TIMEOUT	This accepts value for Dialogue box time out.	Format: numeric Length: 3 Range: 1-999		S	O
OLD_HIA_DBOX_REPETITION	This accepts value for Dialogue box repetition.	String of length 30 characters		S	O

Table 7: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_DBOX_ENV	This accepts value for Dialogue box environment.	Format: numeric Length: 16 Range: 1-9999999999999999		S	O
OLD_HIA_DBOX_START _RECORD	This accepts value for Dialogue box start record.	Format: numeric Length: 16 Range: 1-9999999999999999		S	O
OLD_HIA_DBOX_TSR_ENV	This accepts value for Dialogue box TSR env.	Format: numeric Length: 3 Range: 1-255		S	O
OLD_HIA_DBOX_GREET_TYPE	This accepts value for Dialogue box greet type.	Format: String Length: 2		S	O
OLD_HIA_DBOX_GREET_NUMBER	This accepts value for Dialogue box greet number.	Format: String. Length: 10		S	O
OLD_HIA_DBOX_OPERATION	This accepts value for Dialogue box operation.	Format: String Length: 8		S	O
OLD_HIA_MSI_ID_LIST	MSI ID list.	Format: numeric Length: 4 Range: 0-9999		S	O
OLD_HIA_TARGET_MSU_ID_LIST	Target MSU ID list.	Format: numeric Length: 8 Range: 100-9999999999		S	O
OLD_HIA_TARGET_TRM_ID_LIST	Target TRM ID list.	Format: numeric Length: 2 Range: 1-16		S	O
OLD_HIA_LAUNCHED_APPLICATION_URL	The URL to which the user is connected (from the DBOX).	Format: String Length: 80 Values: A legal URL. Status: Optional		S	O
OLD_HIA_EXT_SERVICE_RETURN_DBOX	The DBOX ID that the user will be connected to after VXML termination.	Format: String Length: 8 Values: A legal Dbox ID. Status: Optional		S	O

Table 7: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_HOST_TYPE	The kind of platform type: NONE, NLU, VXL.	Format: String Length: 1 Values: 0, 1, 2 Status: Optional		S	O
OLD_HIA_FAX_MAIL_ENABLED	Indicated if the Fax mail message type is open.	Format: String Length: 1 Values: Y, N, 1, 0 Status: Optional		S	O
OLD_HIA_EMAIL_ENABLED	Indicated if the Email message type is open.	Format: String Length: 1 Values: Y, N, 1, 0 Status: Optional		S	O
OLD_HIA_MMAILENABLED	MM mail enabled.			S	O
OLD_HIA_WAPPUSHENABLED	Wap push enabled.			S	O
OLD_HIA_HANDSETTYPE	Handset type.			S	O
OLD_HIA_TUI_EXCLUDE_MESSAGE	Indicates which message types are disabled for TUI access. Multiple values can be entered.	Length: 256		S	O
OLD_HIA_ACTIVATE_VM_PA	This field indicates whether Voicemail PA is active, although the profile is defined in the TRM/MSU. (To be used by the TRM-AUX and SRL processes.).	Format: String Length: 1 Values: Y, N Status: Optional		S	O
OLD_HIA_CORPORATE_ID	Old HIA corporate ID.	Format: String Length: 7 Values: KEEP, DELETE		S	O
OLD_HIA_REMOTE_FILE	Remote file.	Format: numeric Length: 20 Range: 1-9999 9999999999999999		S	O

Table 7: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_LOCAL_PATH	Local path.	Format: numeric Length: 3 Range: 1-999		S	O
OLD_HIA_ISSAC_VALID	According to value (1/2/3) applies/does not apply. Verification and divert for the subscriber's main phone through the ISSAC.	Format: String Length: 1 Values: Y, N		S	O
OLD_HIA_VOICE_MAIL_MWI_TYPE	Voicemail message waiting indication is enabled with an ON/OFF feature. New values for MWI_TYPE are defined via the message notification screen.	Format: String Length: 8 Values: ALL (1), NORMAL (2), URGENT (3)		S	O
OLD_HIA_ML_FROM	Mailing list retrieval from the TRM via the MSU. ML_FROM specifies from which address data is received.	Format:String Length: 10 Status: Optional		S	O
OLD_HIA_ML_AMOUNT	Sets the amount of data to be retrieved. Mailing list retrieval is in groups of 50 addresses starting from a specified point. After receiving 50 addresses, additional data may be received from the same ML in increments of 50.	Format: String Length: 10 Default: 50 Status: Optional		S	O
OLD_HIA_TRANSID2	Transid2. Not for regular provisioning use. This is an optional parameter.			S	O

Table 7: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_MSU_ACCOUNT_ENABLED	Indicates whether the subscriber's MSU account is enabled.	Format: String		S	O
OLD_HIA_TRANSID1	Transid1. Not for regular provisioning use. This is an optional parameter.			S	O
OLD_HIA_SERVICE_BAR_ID	Service bar ID.	Format: Numeric Length: 3 digits Range: 0-256 Status: Optional		S	O
OLD_HIA_SERVICE_BAR_NAME	Service bar name.	Format: String Length: 20 Status: Optional		S	O
OLD_HIA_GR_NUM	GR num.	Format: Numeric Length: 3 digits Range 0-256 Status: Optional		S	O
OLD_HIA_OUTDIAL_DESTINATION	Outdial by HIA permits the system administrator to have TRILOGUE INfinity initiate an outcall to any subscriber or non-subscriber by invoking an HIA command. The outcall is handled as a standard subscriber delivery session.	Format: String Length: 10 Status: This field is currently unavailable.		S	O
OLD_HIA_OUTDIAL_DLV_TIME	Optional field, which defines the delivery time and date and specifies that the outdial is placed in the FUD table. If there is no date specified, the default delivery time is the current time.	Format: String Length: 10 Status: This field is currently unavailable.		S	O

Table 7: A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_OUTDIAL _DIALING_TYPE	Optional field which specifies the dial type for the outdial function. This is a string of length 10 characters.	Status: This field is currently unavailable.		S	O
OLD_HIA_DESTINA TION	Destination.			S	O
OLD_HIA_OUTDIAL _DBOX	Outdial Dbox.			S	O
OLD_HIA_MESSAGE _NUM	Message num.			S	O
OLD_HIA_PREV_CO S	Prev cos.			S	O
OLD_HIA_MSG_PAR AM	Msg param.			S	O
OLD_HIA_IMAP_PAS SWORD	Voicemail password. Defines the password to enter the Email server.	Format: String Length: 30 Status: Optional when F146 is set to Y		S	O
OLD_HIA_MSUNG_T YPE	MSU next generation enabled.	Format: String Length: 1 Values: Y, N; Must be set to Y to enable F141-F145.		S	O

MML Commands

```
<Command Code> <ID>[,<Optional Parameter> = <value>, ...]

Where

<Command Code> = C

<ID> = Subscriber ID

<Optional Parameter> = List of optional parameters

Note: Instead of using parameter names to build the command, this cartridge
will use its code, called Fkeys.
```

Output Parameters

RETURN AS CSDL PARAMETER(S):

A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER-RB_UDET=<user defined exit type>

RETURN AS INFO PARAMETER(S):

A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER-RB_RETURN_INFO=ID: <SUB_ID>
ERROR: <Error Code> Message string

A_COMVERSE-VMS_3-4-2_ADD_VIRTUAL-SUBSCRIBER

Virtual Add service for Rollback.

It is implemented by the Java method:
com.mslv.cartridge.oss.comverse_vms_3_4_2.prov.ComverseVMSProvisionSubscr.VirtualSubsAdd

Table 8: A_COMVERSE-VMS_3-4-2_ADD_VIRTUAL-SUBSCRIBER

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

MML Commands

None

Output Parameters

None

A_COMVERSE-VMS_3-4-2_BLOCK_SUBSCRIBER

This service blocks the Voice Mail service to the subscriber.

It is implemented by the Java method:
com.mslv.cartridge.oss.comverse_vms_3_4_2.prov.ComverseVMSProvisionSubscr.blockSubscriber

Table 9: A_COMVERSE-VMS_3-4-2_BLOCK_SUBSCRIBER

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

Table 9: A_COMVERSE-VMS_3-4-2_BLOCK_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
VM_ID	Unique ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R

MML Commands

```
<Command Code> <ID>

Where

<Command Code> = B

<ID> = Subscriber ID
```

Note: Instead of using parameter names to build the command, this cartridge will use its code, called Fkeys.

Output Parameters

RETURN AS CSDL PARAMETER(S):

A_COMVERSE-VMS_3-4-2_BLOCK_SUBSCRIBER_UDET=<user defined exit type>

RETURN AS INFO PARAMETER(S):

A_COMVERSE-VMS_3-4-2_BLOCK_SUBSCRIBER_RETURN_INFO=ID: <SUB_ID> ERROR: <Error Code> Message string

A_COMVERSE-VMS_3-4-2_CHG_GENERIC-ID

This service changes the subscriber ID.

It is implemented by the Java method:
com.mslv.cartridge.oss.comverse_vms_3_4_2.prov.ComverseVMSProvisionSubscr.changeGenericID

Table 10: A_COMVERSE-VMS_3-4-2_CHG_GENERIC-ID

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

Table 10: A_COMVERSE-VMS_3-4-2_CHG_GENERIC-ID

Parameter Name	Description	Range	Default Value	Type	Class
VM_ID	Unique ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R
HIA_NEW_EXT_SUB _ID	New subscriber ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R
HIA_NEW_EXT_FAX _ID	New fax ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_NEW_EXT_MAI N_PHONE_NUM	New main phone number.	Length: 16 digits, Range: 100 to 9999999999999999		S	R

MML Commands

```
GCHID <VM_ID><comma>new_ext_sub_id=<HIA_NEW_EXT_SUB_ID> <comma>
new_ext_fax_id=<HIA_NEW_EXT_FAX_ID> <comma>
new_ext_main_phone_num=<HIA_NEW_EXT_MAIN_PHONE_NUM>

Note: Instead of using parameter names to build the command, this cartridge
will use its code, called Fkeys.
```

Output Parameters

RETURN AS CSDL PARAMETER(S):

A_COMVERSE-VMS_3-4-2_CHG_GENERIC-ID_UDET=<user defined exit type>

RETURN INFO PARAMETER(S):

A_COMVERSE-VMS_3-4-2_CHG_GENERIC-ID_RETURN_INFO=ID: <SUB_ID>
ERROR: <Error Code> Message string

A_COMVERSE-VMS_3-4-2_CHG_GENERIC-ID-RB

Rollback feature for the Change Generic-ID service.

It is implemented by the Java method:
com.mslv.cartridge.oss.comverse_vms_3_4_2.prov.ComverseVMSProvisionSubscr.chan geGenericIDRB

Table 11: A_COMVERSE-VMS_3-4-2_CHG_GENERIC-ID-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	MCLI.			S	R
VM_ID	Unique ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R
OLD_HIA_NEW_EXT _SUB_ID	New subscriber ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R
OLD_HIA_NEW_EXT _FAX_ID	New fax ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_NEW_EXT _MAIN_PHONE_NU M	New main phone number.	Length: 16 digits, Range: 100 to 9999999999999999		S	R

MML Commands

```
GCHID
<VM_ID><comma>new_ext_sub_id=<OLD_HIA_NEW_EXT_SUB_ID><comma>new_ext_fax_id=<
OLD_HIA_NEW_EXT_FAX_ID><comma>new_ext_main_phone_num=<OLD_HIA_NEW_EXT_MAIN_P
HONE_NUM>

Note: Instead of using parameter names to build the command, this cartridge
will use its code, called Fkeys.
```

Output Parameters

RETURN AS CSDL PARAMETER(S):

A_COMVERSE-VMS_3-4-2_CHG_GENERIC-ID-RB_UDET=<user defined exit type>

RETURN AS INFO PARAMETER(S):

A_COMVERSE-VMS_3-4-2_CHG_GENERIC-ID-RB_RETURN_INFO=<NE error code>:<NE error description>

A_COMVERSE-VMS_3-4-2_DEL_SUBSCRIBER

This service deletes a subscriber.

It is implemented by the Java method:
**com.mslv.cartridge.oss.comverse_vms_3_4_2.prov.ComverseVMSProvisionSubscr.delete
eSubscriber**

Table 12: A_COMVERSE-VMS_3-4-2_DEL_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	MCLI.			S	R
VM_ID	Unique ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R

MML Commands

```
<Command Code> <ID>

Where

<Command Code> = D

<ID> = Subscriber ID

Note: Instead of using parameter names to build the command, this cartridge
will use its code, called Fkeys.
```

Output Parameters

RETURN AS CSDL PARAMETER(S):

A_COMVERSE-VMS_3-4-2_DEL_SUBSCRIBER_UDET=<user defined exit type>

RETURN AS INFO PARAMETER(S):

A_COMVERSE-VMS_3-4-2_DEL_SUBSCRIBER_RETURN_INFO=ID: <SUB_ID>
ERROR: <Error Code> Message string

A_COMVERSE-VMS_3-4-2_DEL_SUBSCRIBER-RB

Rollback feature for Delete Subscriber service.

It is implemented by the Java method:
com.mslv.cartridge.oss.comverse_vms_3_4_2.prov.ComverseVMSProvisionSubscr.delet eSubscriberRB

Table 13: A_COMVERSE-VMS_3-4-2_DEL_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	MCLI.			S	R
VM_ID	Unique ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R
VIRTUAL_RB_REQD	This flag is set to true when this virtual implementation needs to be invoked.	True or False	False	S	O

MML Commands

```
<Command Code> <ID>

Where

<Command Code> = D

<ID> = Subscriber ID

Note: Instead of using parameter names to build the command, this cartridge
will use its code, called Fkeys.
```

Output Parameters

RETURN AS CSDL PARAMETER(S):

A_COMVERSE-VMS_3-4-2_DEL_SUBSCRIBER-RB_UDET=<user defined exit type>

RETURN AS INFO PARAMETER(S):

A_COMVERSE-VMS_3-4-2_DEL_SUBSCRIBER-RB_RETURN_INFO=ID: <SUB_ID>
ERROR: <Error Code> Message string

A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

This service modifies the subscriber details.

It is implemented by the Java method:
com.mslv.cartridge.oss.comverse_vms_3_4_2.prov.ComverseVMSProvisionSubscr.modifySubscriber

Table 14: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	MCLI.			S	R
VM_ID	Unique ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R
HIA_COS_NUM	Subscriber's class of service.	Length: 3 digits		S	O
HIA_USER_NAME	Subscriber's full name.	Length: 16 digits, Range: 1 to 9999999999999999		S	O
HIA_MAIN_PHONE_NUM	Subscriber's phone number.	Length: 16 digits, Range: 1 to 9999999999999999		S	O
HIA_FAX_ID	Allows direct guest access to a subscriber's mailbox as if it were a fax machine.	Length: 16 digits, Range: 1 to 9999999999999999		S	O
HIA_MSU_ID	ID of the MSU on which to create the new subscriber.	Length: 3 digits, Range: 1 to 255		S	O
HIA_MSU_NAME	Name of the MSU where the subscriber is stored.	Length: 2 characters		S	O
HIA_PASSWORD	Mailbox password.	Length: 33 characters		S	O
HIA_ACCOUNT_NUM	Identifies a group of related subscribers.	Length: 8 characters		S	O
HIA_DIALING_PREFIX	A dialing prefix may be required before the subscriber's main phone number when that number is called.	Length: 4 digits, Range: 0 to 9999		S	O

Table 14: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_PERSONAL_TO P_BOX	Relevant only when GenLogue is installed.	Length: 8 digits, Range: 100 to 99999999		S	O
HIA_LANGUAGE_ID	Defines the language of the system prompts played when the mailbox is accessed.	Length: 2 digits, Range: 1 to 16		S	O
HIA_SERVICE_LEVE L	Service level assigned to the subscriber.	Length: 3 digits, Range: 1 to 999		S	O
HIA_ACCESS_RIGH TS	Access rights assigned to the subscriber.	Length: 2 digits, Range: 1 to 99		S	O
HIA_MAILING_LIST _LIMIT	Maximum number of entries the subscriber may define in each personal mailing list.	Length: 2 digits, Range: 0 to 99		S	O
HIA_ROUTING_CLA SS	Controls outgoing calls and other system functions.	Length: 2 digits, Range: 0 to 99		S	O
HIA_FORWARDING_ TYPE	Type of messages to be forwarded to the specified destination.	Format: String Length: 6 Range: Urgent, All, None		S	O
HIA_FORWARDING_ PHONE	Selects the subscriber's main or alternate phone number as a forwarding destination.	Format: String, Length: 10, Values: Main, Alternate		S	O
HIA_PLAYED_MSGS	Determines whether a message is kept or deleted by default.	Format: String, Length: 7, Values: Keep, Delete		S	O
HIA_ALT_PHONE_N UM	Alternate phone number chosen by the subscriber for notification purposes.	Length: 20 digits, Range: 1 to 9999999999999999999 9		S	O

Table 14: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_SENT_MSGS_LIMIT	Maximum length (in seconds) of a message, greeting, or voice signature that subscriber can record.	Length: 3 digits, Range: 1 to 999		S	O
HIA_MWI	Activates or deactivates the message waiting indication.	Length: 3 characters, Values YES, NO		S	O
HIA_ALTERNATE_PHONE_DIAL_TYPE	Defines calling details for message notification.	Length: 2 digits, Range: 1 to 60		S	O
HIA_ALTERNATE_PHONE_NUM_OF_RETRIES	Number of notification attempts made to the recipient of a message.	Length: 2 digits, Range: 1 to 99		S	O
HIA_CASCADING_TO_TYPE	Specifies the destination for cascading.	Length: 7 characters, Values: BOX, PHONE		S	O
HIA_CASCADING_NUM	Cascading destination number.	Length: 14 characters		S	O
HIA_CASCADING_MSGS_KEEP	Defines whether a cascaded message is kept or deleted from the original mailbox.	Length: 7 characters		S	O
HIA_CASCADING_PAGER_TYPE	Defines how a pager is activated when cascading to a pager takes place.	Length: 2 digits, Range: 1 to 60		S	O
HIA_BILLING_NUM	Subscriber's calling card number.	Length: 18 digits		S	O
HIA_DIALING_TYPE	Defines how out dial is performed for message notification.	Length: 2 digits, Range: 1 to 60		S	O

Table 14: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_AUTO_TRANSFER_TYPE	Type of faxes that are automatically transferred.	Length: 20 characters, Values: UNCONFIDENTIAL, ALL, NONE		S	O
HIA_AUTO_TRANSFER_DEST	A fax telephone number containing up to 13 characters and preceded by zero.	Length: 14 characters		S	O
HIA_OMI	Activates the OMI option.	Length: 5 characters		S	O
HIA_DELIVERY_TIME_FROM	Start of time period during which auto transfer faxes are delivered.	Length: 7 units of time		S	O
HIA_DELIVERY_TIME_TO	End of the delivery period for automatic fax transfer.	Length: 7 units of time		S	O
HIA_MAIN_PHONE_DIAL_TYPE	Defines how outdial is performed for message notification.	Length: 2 digits, Range: 1 to 58		S	O
HIA_MAIN_PHONE_NUM_OF_RETRIES	Number of notification attempts made to the recipient of a message.	Length: 2 digits, Range: 1 to 99		S	O
HIA_REACHABILITY	Controls system to initiated message forwarding to the main or alternate number upon demand from a host.	Length: 10 characters		S	O
HIA_RETENTION_TIME	Limits the number of days a mailbox can exist.	Length: 3 digits, Range: 1 to 999		S	O

Table 14: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_MWI_IMPLEME NTATION_MODE	Specifies the MWI activation method.	Length: 13 characters. Range: DLX, TRM, CCS,DIAL, SMDI, ISDN,TRM_NOR EACH		S	O
HIA_MWI_ON_DIAL TYPE	The activation of the MWI signal if the MWI implementation mode is By Dialing.	Length: 2 digits, Range: 1 to 60		S	O
HIA_MWI_OFF_DIA LTYPE	Defines the deactivation of the MWI signal if the MWI implementation mode is By Dialing.	Length: 2 digits, Range: 1 to 60		S	O
HIA_COPY_TO_MAI LBOX	Mailbox ID, which receives a duplicate of each message.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_EXT_SUB_ID	Reserved for future use.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_EXT_FAX_ID	Reserved for future use.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_EXT_MAIN_PH ONE_NUM	Reserved for future use.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_P_1	Contains user to defined data for display only through the TRM.	Length: 2 digits, Range: 0 to 16		S	O
HIA_P_2	Contains user to defined data for display only through the TRM.	Length: 2 digits, Range: 0 to 12		S	O

Table 14: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_MAIN_FORWARDING_BY	Defines forwarding to the main phone number if a notification is sent to main phone number.	Length: 5 characters. Range: DIAL, TRM		S	O
HIA_ALT_FORWARDING_BY	Defines forwarding to alternate phone number, if notification is sent to alternate phone number.	Length: 5 characters. Range: DIAL, TRM		S	O
HIA_PO_TYPE	Determines whether or not the subscriber has a personal operator.	Length: 10 characters. Values: ON, OFF, SCHEDULE		S	O
HIA_PO_DESTINATION	Phone number of the personal operator.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_PO_DIALTYPE	Dial type of the personal operator.	Length: 2 digits, Range: 1 to 60		S	O
HIA_PO_TIME_FROM	Starting time for calls to be transferred to the subscriber's personal operator.	Length: 5 units of time		S	O
HIA_CR_DIALTYPE	Guest call return type.	Length: 2 digits, Range: 1 to 99		S	O
HIA_PO_TIME_TO	End of the time period for calls to be transferred to the personal operator.	Length: 5 units of time		S	O
HIA_SMDI_GROUP	An SMDI link for data transmission.	Length: 3 digits, Range: 0 to 250		S	O
HIA_ML_NUM	Mailing list numbers.	Length: 2 digits, Range: 1 to 20		S	O
HIA_ML_ITEMS	Mailing list items.	Length: 255 characters		S	O

Table 14: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_PAGER_TIME_FROM	The administrator and the subscriber can define a schedule for the subscriber notification.	Length: 21 units of time		S	O
HIA_PAGER_TIME_TO	Specifies the time of the day until which the subscriber notification will be available.	Length: 21 units of time		S	O
HIA_TIMEZONE	Time zone for each mailbox.	Length: 2 digits, Range: 0 to 24		S	O
HIA_WEEKEND_PAGER_FROM	Notification option.	Length: 7 units of time		S	O
HIA_WEEKEND_PAGER_TO	Notification option.	Length: 7 units of time		S	O
HIA_ENABLE_PAGING	Enables or disables the subscriber notification.	Length: 3 characters		S	O
HIA_ENABLE_WEEKEND_PAGING	The administrator can specify the time of the day in which the notification will be available.	Length: 3 characters		S	O
HIA_MSG_RT_CLS	Provides routing class services for message delivery between subscribers.	Length: 2 digits, Range: 0 to 99		S	O
HIA_CR_RT_CLS	Call return routing class (filter) field.	Length: 3 digits, Range: 0 to 255		S	O
HIA_PO_RT_CLS	Personal operating class field.	Length: 3 digits, Range: 0 to 255		S	O

Table 14: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_PARTITION_ID	Indicates whether the subscriber is a corporate subscriber, as well as containing the Dbox ID.	Length: 16 characters		S	O
HIA_TEMP_SETUP_FLAG	When defining a new subscriber with a temporary setup, a special COS is assigned to the subscriber.	Length: 3 characters		S	O
HIA_ADDITIONAL_ACCESS_NUMBERS	The number of access IDs to enable access to the same mailbox from fixed and mobile networks.	Length: 250 characters		S	O
HIA_GROUP_NAME	Defines a group of subscribers within a limited area.	Length: 5 digits, Range: 0 to 65,536		S	O
HIA_SKIP_PASSWORD_CHECK	Enables a user to skip the entry of a password when signing on.	Length: 12 characters. Values: ALWAYS REMOTE, ALWAYS IN,ALWAYS OUT		S	O
HIA_GUEST_LANGUAGE	The subscriber can choose the language for a guest session.	Length: 2 digits, Range: 1 to 16		S	O
HIA_SMS_LANGUAGE	The subscriber can choose the language for short message service (SMS) message.	Length: 2 digits, Range: 1 to 16		S	O
HIA_REACHABILITY_DT_MAIN	Main phone dial type to differentiate between dialing functions and forwarding dialing types.	Length: 2 digits, Range: 1 to 99		S	O

Table 14: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_REACHABILITY_DT_ALT	Alternate phone dial type to differentiate between dialing functions and forwarding dialing types.	Length: 2 digits, Range: 1 to 60		S	O
HIA_ANNOUNCEMENT_MODE	Defines the existence of a guest announcement.	Length: 3 characters		S	O
HIA_NEW_EXT_SUB_ID	Change ID (CHID) command uses 4 fields. NEW_EXT_IDs are new subscriber IDs of the CHID command.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_NEW_EXT_FAX_ID	New Fax ID field, which will change after the CHID is implemented.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_NEW_EXT_MAIN_PHONE_NUM	New telephone number ID field, which will change after the CHID is implemented.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_TARGET_MBOX	New mailbox that will receive messages via the copy message command.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_SRL_MMU_RESPONSE_TIME	Time to out value of the relocation of messages during the copy message command.	Length: 21 characters		S	O
HIA_EMAP_STORAGE	This field is used as storage for the EMAP function.	Length: 25 characters		S	O

Table 14: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_TARGET_MSU	Subscribers may be transferred (relocated) to a specific, targeted MSU within the bounds of a single TRM or to an MSU.	Length: 3 digits, Range: 0 to 999		S	O
HIA_TARGET_TRM	Subscriber is assigned to an MSU based on load sharing when an MSU is not targeted.	Length: 3 digits, Range: 0 to 999		S	O
HIA_EPARAM01	TARGET_MSU EmapBit parameter 01.	Length: 3 characters		S	O
HIA_EPARAM02	TARGET_TRM EmapBit parameter 02.	Length: 3 characters		S	O
HIA_EPARAM03	EmapBit parameter 03.	Length: 3 characters		S	O
HIA_EPARAM04	EmapBit parameter 04.	Length: 3 characters		S	O
HIA_EPARAM05	EmapBit parameter 05.	Length: 3 characters		S	O
HIA_EPARAM06	EmapBit parameter 06.	Length: 3 characters		S	O
HIA_EPARAM07	EmapBit parameter 07.	Length: 3 characters		S	O
HIA_EPARAM08	EmapBit parameter 08.	Length: 3 characters		S	O
HIA_BULLETIN_GROUP	Subscriber is included in a bulletin group and receives a message each time a bulletin is released.	Length: 2 digits, Range: 1 to 99		S	O
HIA_CAPTURE_EMPTY_MSG	Enables a short message containing the CLI and the time of the call, if a caller hangs up without leaving a message.	Length: 10 characters. Values: Yes 1, NO 2, UNKNOWN 4		S	O

Table 14: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_NEW_USER_TUTORIAL	Enables the TRM to recognize whether a subscriber (new or modified) has heard a New User Tutorial (NUT). If the user has not heard a specific NUT, the TRM allows the subscriber to hear it.	Length: 11 characters. Values: YES, NO, UNKNOWN, PW_ONLY, OGM_ONLY, VS_ONLY,PW_OGM_ ONLY, PW_VS_ONLY, OGM_VS_ONLY		S	O
HIA_ALT2_PHONE_ NUM	Additional notification numbers.	Length: 20 characters		S	O
HIA_ALT3_PHONE_ NUM	Additional notification numbers.	Length: 20 characters		S	O
HIA_ALT2_DIAL_TY PE	Additional notification numbers.	Length: 2 digits, Range: 1 to 60		S	O
HIA_ALT3_DIAL_TY PE	Additional notification numbers.	Length: 2 digits, Range: 1 to 60		S	O
HIA_TEXT_1	For internal use only.	Length: 25 characters		S	O
HIA_TEXT_2	For internal use only.	Length: 25 characters		S	O
HIA_TEXT_3	For internal use only.	Length: 25 characters		S	O
HIA_TEXT_4	For internal use only.	Length: 255 characters		S	O
HIA_AMTE_DEFAUL T_EMAIL_ADDRESS	Predefines the subscriber's default email address.	Length: 32 chars. Values: NONE, 0, ALL, 1, URGENT, 2.		S	O
HIA_AMTE_MESSA GE_TYPE	Enables an option to select the message type (Urgent, Normal, or All).	Length: 32 characters. Values: NONE, 0, VOICE, 1, FAX, 2, BOTH, 3.		S	O
HIA_AMTE_MESSA GE_DATA_TYPE	Enables the transferring of both voice and fax message data types to an email address.	Length: 256 characters		S	O

Table 14: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_AMTE_KEEP_D ELETE	Enables the storing or deleting of messages after transfer to an email address.	Value: 0/keep/KEEP/1/ delete/DELETE		S	O
HIA_VOISMS_MSG_ LENGTH	Controls the VoiSMS maximum message length.	Format: String, Length: 7, Value: KEEP, DELETE		S	O
HIA_VOISMS_KEEP_ DELETE	Controls keeping played VoiSMS messages.	Length: 1, Range: 0 to 3		S	O
HIA_VOISMS_NOTIF _TYPE	Defines what type of VoiSMS notification the sender of the message receives.	Length: 2 digits, Range: 0 to 99		S	O
HIA_FAX_RT_CLS	Defines which phone numbers are available/ restricted to a subscriber.	Length: 1 digit, Range: 0 to 4		S	O
HIA_FIFO_LIFO	By defining the appropriate COS, messages can be played on a FIFO basis, or LIFO basis.	Length: 2 digits, Range: 0 to 99		S	O
HIA_RING_DURATI ON	The number of rings is provisioned when creating a new subscriber profile.	Length: 2 digits, Range: 0 to 99		S	O
HIA_IMAP_SERVER_ NAME	MSU NG parameter. Defines the MIPS name.	Length: 40 characters		S	O
HIA_IMAP_LOGIN_ NAME	Read only. MSU NG parameter. Defines the login to log in to the Email server.	Length: 30 characters		S	O

Table 14: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_SMTP_USER	MSU NG parameter. Defines the username for the MIPS.	Length: 30 characters		S	O
HIA_SMTP_DOMAIN _NAME	MSU NG parameter. Defines the domain name for the MIPS.	Length: 30 characters		S	O
HIA_VOISMS_CLI	The VoiSMS service is accessed first by a data session and then by a voice session. This parameter enables access by data session to be forwarded directly to the voice session.	Format: Numeric		S	O
HIA_CHANGING_E MS	Determines whether the EMS (MIPS) is changed during SRL.	Values: Y, N, YES_WITHOUT_VID EO		S	O
HIA_CVVM_AUTO_ ENROLLMENT_ENA BLED	Enables/disables OTA registration on the CVVM service from the handset.	Values: Y, N, Yes, No		S	O
HIA_CVVM_DIAL_I N_ENABLED	Enables/disables dial to in applications on the MSU.	Values: Y, N, Yes, No		S	O
HIA_CVVM_NOTIF_ ENABLED	Enabled by the RG command, so that CVVM notification is activated for a specific subscriber.	Values: Y, N, Yes, No		S	O
HIA_CVVM_NOTIF_ METHOD	Determines the method in which the CVVM notification message is sent.	Values: 0 = Unknown 1 = Simple (Symbian) 2 = Brew		S	O
HIA_WHO_CALLED _ENABLED	Enables the who called service.	Length: 3 characters		S	O

Table 14: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_SERVICE_OPTIONS	VXML subscriber services (set to ON).	Length: 3 digits, Range: 0 to 255		S	O
HIA_EXT_SERVICES	Specifies an MSU internal parameter used by Emap.	Length: 2 digits, Range: 0 to 15		S	O
HIA_INOT_ENABLED	Enables/disables the Interactive Notification (IVMN) service.	Length: 8 characters		S	O
HIA_INOT_CLASS	Specifies the service class of an IVMN subscriber.	Length: 4 characters		S	O
HIA_LISTEN_OPTION	Specifies the format of the introduction header message.	Length: 1 character		S	O
HIA_PO_ALLOWED_DATE	Various setups for PO scheduling.	Length: 3 digits, Range: 1 to 999		S	O
HIA_SUBSET_NAME	The Fkeys use SQLR command to retrieve defaults and COS.	Values: Y, N, YES, NO, T, true, 1, F, false, 0, U, B		S	O
HIA_NL_ENTRY	The number of the notification list entry.			S	O
HIA_NL_MEDIA	Equivalent to the Implementation Mode field.	Format: String Length: 80 Illegal values: [space]		S	O
HIA_NL_DEST	Destination of the MWI.	Format: String Length: 8		S	O
HIA_NL_ON	Implementation mode is set to TRM or DIAL, these fields determine the dialing sequence necessary to activate and deactivate the subscriber's MWI.	Length: 4 chars. Values: NONE, 0, NLU, 1,VXL, 2		S	O

Table 14: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_NL_OFF	Implementation mode is set to TRM or DIAL, these fields determine the dialing sequence necessary to activate and deactivate the subscriber's MWI.			S	O
HIA_NL_SMDI	If SMDI is selected as the implementation mode, this parameter determines the SMDI group to use.			S	O
HIA_DBOX_ID	This accepts value for Dialogue box ID.			S	O
HIA_DBOX_NAME	This accepts value for Dialogue box name.	Format: numeric Length: 16 Range: 100-9999999999999999		S	O
HIA_DBOX_TIMEOU T	This accepts value for Dialogue box time out.	Format: numeric Length: 3 Range: 1-999		S	O
HIA_DBOX_REPETI TION	This accepts value for Dialogue box repetition.	String of length 30 characters		S	O
HIA_DBOX_ENV	This accepts value for Dialogue box environment.	Format: numeric Length: 16 Range: 1-9999999999999999		S	O
HIA_DBOX_START _RECORD	This accepts value for Dialogue box start record.	Format: numeric Length: 16 Range: 1-9999999999999999		S	O
HIA_DBOX_TSR_EN V	This accepts value for Dialogue box TSR env.	Format: numeric Length: 3 Range: 1-255		S	O
HIA_DBOX_GREET_ TYPE	This accepts value for Dialogue box greet type.	Format: String Length: 2		S	O

Table 14: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_DBOX_GREET_ NUMBER	This accepts value for Dialogue box greet number.	Format: String. Length: 10		S	O
HIA_DBOX_OPERAT ION	This accepts value for Dialogue box operation.	Format: String Length: 8		S	O
HIA_MSI_ID_LIST	MSI ID list.	Format: numeric Length: 4 Range: 0- 9999		S	O
HIA_TARGET_ MSU_ID_LIST	Target MSU ID list.	Format: numeric Length: 8 Range: 100- 9999999999		S	O
HIA_TARGET_ TRM_ID_LIST	Target TRM ID list.	Format: numeric Length: 2 Range: 1-16		S	O
HIA_LAUNCHED_ APPLICATION_URL	The URL to which the user is connected (from the DBOX).	Format: String Length: 80 Values: A legal URL. Status: Optional		S	O
HIA_EXT_SERVICE_ RETURN_DBOX	The DBOX ID that the user will be connected to after VXML termination.	Format: String Length: 8 Values: A legal Dbox ID. Status: Optional		S	O
HIA_HOST_TYPE	The kind of platform type: NONE, NLU, VXL.	Format: String Length: 1 Values: 0, 1, 2 Status: Optional		S	O
HIA_FAX_MAIL_EN ABLED	Indicated if the Fax mail message type is open.	Format: String Length: 1 Values: Y, N, 1, 0 Status: Optional		S	O
HIA_EMAIL_ENABL ED	Indicated if the Email message type is open.	Format: String Length: 1 Values: Y, N, 1, 0 Status: Optional		S	O
HIA_MMAILENABL ED	MM mail enabled.			S	O

Table 14: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_WAPPUSHENABLED	Wap push enabled.			S	O
HIA_HANDSETTYPE	Handset type.			S	O
HIA_TUI_EXCLUDE_MESSAGE	Indicates which message types are disabled for TUI access. Multiple values can be entered.	Length: 256		S	O
HIA_ACTIVATE_VM_PA	This field indicates whether Voicemail PA is active, although the profile is defined in the TRM/MSU. (To be used by the TRM-AUX and SRL processes.)	Format: String Length: 1 Values: Y, N Status: Optional		S	O
HIA_CORPORATE_ID	HIA Corporate ID.	Format: String Length: 7 Values: KEEP, DELETE		S	O
HIA_REMOTE_FILE	Remote file.	Format: numeric Length: 20 Range: 1-9999 9999999999999999		S	O
HIA_LOCAL_PATH	Local path.	Format: numeric Length: 3 Range: 1-999		S	O
HIA_ISSAC_VALID	According to value (1/2/3) applies/does not apply. Verification and divert for the subscriber's main phone through the ISSAC.	Format: String Length: 1 Values: Y, N		S	O

Table 14: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_VOICE_MAIL_ MWI_TYPE	Voicemail message waiting indication is enabled with an ON/ OFF feature. New values for MWI_TYPE are defined via the message notification screen.	Format: String Length: 8 Values: ALL (1), NORMAL (2), URGENT (3)		S	O
HIA_ML_FROM	Mailing list retrieval from the TRM via the MSU. ML_FROM specifies from which address data is received.	Format:String Length: 10 Status: Optional		S	O
HIA_ML_AMOUNT	Sets the amount of data to be retrieved. Mailing list retrieval is in groups of 50 addresses starting from a specified point. After receiving 50 addresses, additional data may be received from the same ML in increments of 50.	Format: String Length: 10 Default: 50 Status: Optional		S	O
HIA_TRANSID2	Transid2. Not for regular provisioning use. This is an optional parameter.			S	O
HIA_MSU_ACCOUN T_ENABLED	Indicates whether the subscriber's MSU account is enabled.	Format: String		S	O
HIA_TRANSID1	Transid1. Not for regular provisioning use. This is an optional parameter.			S	O

Table 14: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_SERVICE_BAR_ID	Service bar ID.	Format: Numeric Length: 3 digits Range: 0-256 Status: Optional		S	O
HIA_SERVICE_BAR_NAME	Service bar name.	Format: String Length: 20 Status: Optional		S	O
HIA_GR_NUM	GR num.	Format: Numeric Length: 3 digits Range 0-256 Status: Optional		S	O
HIA_OUTDIAL_DESTINATION	Outdial by HIA permits the system administrator to have TRILOGUE INfinity initiate an outcall to any subscriber or non-subscriber by invoking an HIA command. The outcall is handled as a standard subscriber delivery session.	Format: String Length: 10 Status: This field is currently unavailable.		S	O
HIA_OUTDIAL_DLV_TIME	Optional field, which defines the delivery time and date and specifies that the outdial is placed in the FUD table. If there is no date specified, the default delivery time is the current time.	Format: String Length: 10 Status: This field is currently unavailable.		S	O
HIA_OUTDIAL_DIALING_TYPE	Optional field which specifies the dial type for the outdial function. This is a string of length 10 characters.	Status: This field is currently unavailable.		S	O
HIA_DESTINATION	Destination.			S	O
HIA_OUTDIAL_DBOX	Outdial Dbox.			S	O

Table 14: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_MESSAGE_NUM	Message num.			S	O
HIA_PREV_COS	Prev cos.			S	O
HIA_MSG_PARAM	Msg param.			S	O
HIA_IMAP_PASSWORD	Voicemail password. Defines the password to enter the Email server.	Format: String Length: 30 Status: Optional when F146 is set to Y		S	O
HIA_MSUNG_TYPE	MSU next generation enabled.	Format: String Length: 1 Values: Y, N; Must be set to Y to enable F141-F145.		S	O

MML Commands

```
<Command Code> <ID>[<comma><Optional Parameter1>=<value1><comma><Optional
Parameter2>=<value2> ...]
```

Where

`<Command Code> = M`

`<Optional Parameter> = List of optional parameters`

```
Note: Instead of using parameter names to build the command, this cartridge
will use its code, called Fkeys.
```

Output Parameters

RETURN AS CSDL PARAMETER(S):

A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER_UDET=<user defined exit type>

RETURN AS INFO PARAMETER(S):

A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER_RETURN_INFO=ID: <SUB_ID> ERROR: <Error Code> Message string

A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER-RB

Rollback feature for Modify Subscriber service.

It is implemented by the Java method:
com.mslv.cartridge.oss.comverse_vms_3_4_2.prov.ComverseVMSProvisionSubscr.modifyRB

Table 15: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	MCLI.			S	R
VM_ID	Unique ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R
OLD_HIA_COS_NUM	Subscriber's class of service.	Length: 3 digits		S	O
OLD_HIA_USER_NAME	Subscriber's full name.	Length: 16 digits, Range: 1 to 9999999999999999		S	O
OLD_HIA_MAIN_PHONE_NUM	Subscriber's phone number.	Length: 16 digits, Range: 1 to 9999999999999999		S	O
OLD_HIA_FAX_ID	Allows direct guest access to a subscriber's mailbox as if it were a fax machine.	Length: 16 digits, Range: 1 to 9999999999999999		S	O
OLD_HIA_MSU_ID	ID of the MSU on which to create the new subscriber.	Length: 3 digits, Range: 1 to 255		S	O
OLD_HIA_MSU_NAME	Name of the MSU where the subscriber is stored.	Length: 2 characters		S	O
OLD_HIA_PASSWORD	Mailbox password.	Length: 33 characters		S	O
OLD_HIA_ACCOUNT_NUM	Identifies a group of related subscribers.	Length: 8 characters		S	O

Table 15: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_DIALING_PREFIX	A dialing prefix may be required before the subscriber's main phone number when that number is called.	Length: 4 digits, Range: 0 to 9999		S	O
OLD_HIA_PERSONAL_TOP_BOX	Relevant only when GenLogue is installed.	Length: 8 digits, Range: 100 to 99999999		S	O
OLD_HIA_LANGUAGE_ID	Defines the language of the system prompts played when the mailbox is accessed.	Length: 2 digits, Range: 1 to 16		S	O
OLD_HIA_SERVICE_LEVEL	Service level assigned to the subscriber.	Length: 3 digits, Range: 1 to 999		S	O
OLD_HIA_ACCESS_RIGHTS	Access rights assigned to the subscriber.	Length: 2 digits, Range: 1 to 99		S	O
OLD_HIA_MAILING_LIST_LIMIT	Maximum number of entries the subscriber may define in each personal mailing list.	Length: 2 digits, Range: 0 to 99		S	O
OLD_HIA_ROUTING_CLASS	Controls outgoing calls and other system functions.	Length: 2 digits, Range: 0 to 99		S	O
OLD_HIA_FORWARDING_TYPE	Type of messages to be forwarded to the specified destination.	Format: String Length: 6 Range: Urgent, All, None		S	O
OLD_HIA_FORWARDING_PHONE	Selects the subscriber's main or alternate phone number as a forwarding destination.	Format: String, Length: 10, Values: Main, Alternate		S	O
OLD_HIA_PLAYED_MSGS	Determines whether a message is kept or deleted by default.	Format: String, Length: 7, Values: Keep, Delete		S	O

Table 15: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_ALT_PHONE_NUM	Alternate phone number chosen by the subscriber for notification purposes.	Length: 20 digits, Range: 1 to 99999999999999999999		S	O
OLD_HIA_SENT_MSGS_LIMIT	Maximum length (in seconds) of a message, greeting, or voice signature that subscriber can record.	Length: 3 digits, Range: 1 to 999		S	O
OLD_HIA_MWI	Activates or deactivates the message waiting indication.	Length: 3 characters, Values YES, NO		S	O
OLD_HIA_ALTERNATE_PHONE_DIAL_TYPE	Defines calling details for message notification.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_ALTERNATE_PHONE_NUM_OF_RETRIES	Number of notification attempts made to the recipient of a message.	Length: 2 digits, Range: 1 to 99		S	O
OLD_HIA_CASCADING_TO_TYPE	Specifies the destination for cascading.	Length: 7 characters, Values: BOX, PHONE		S	O
OLD_HIA_CASCADING_NUM	Cascading destination number.	Length: 14 characters		S	O
OLD_HIA_CASCADING_MSGS_KEEP	Defines whether a cascaded message is kept or deleted from the original mailbox.	Length: 7 characters		S	O
OLD_HIA_CASCADING_PAGER_TYPE	Defines how a pager is activated when cascading to a pager takes place.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_BILLING_NUM	Subscriber's calling card number.	Length: 18 digits		S	O

Table 15: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_DIALING_TYPE	Defines how out dial is performed for message notification.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_AUTO_TRANSFER_TYPE	Type of faxes that are automatically transferred.	Length: 20 characters, Values: UNCONFIDENTIAL, ALL, NONE		S	O
OLD_HIA_AUTO_TRANSFER_DEST	A fax telephone number containing up to 13 characters and preceded by zero.	Length: 14 characters		S	O
OLD_HIA_OMI	Activates the OMI option.	Length: 5 characters		S	O
OLD_HIA_DELIVERY_TIME_FROM	Start of time period during which auto transfer faxes are delivered.	Length: 7 units of time		S	O
OLD_HIA_DELIVERY_TIME_TO	End of the delivery period for automatic fax transfer.	Length: 7 units of time		S	O
OLD_HIA_MAIN_PHONE_DIAL_TYPE	Defines how outdial is performed for message notification.	Length: 2 digits, Range: 1 to 58		S	O
OLD_HIA_MAIN_PHONE_NUM_OF_RETRIES	Number of notification attempts made to the recipient of a message.	Length: 2 digits, Range: 1 to 99		S	O
OLD_HIA_REACHABILITY	Controls system to initiated message forwarding to the main or alternate number upon demand from a host.	Length: 10 characters		S	O
OLD_HIA_RETENTION_TIME	Limits the number of days a mailbox can exist.	Length: 3 digits, Range: 1 to 999		S	O

Table 15: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_MWI_IMPLEMENTATION_MODE	Specifies the MWI activation method.	Length: 13 characters. Range: DLX, TRM, CCS,DIAL, SMDI, ISDN,TRM_NOR EACH		S	O
OLD_HIA_MWI_ON_DIALTYPE	The activation of the MWI signal if the MWI implementation mode is By Dialing.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_MWI_OFF_DIALTYPE	Defines the deactivation of the MWI signal if the MWI implementation mode is By Dialing.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_COPY_TO_MAILBOX	Mailbox ID, which receives a duplicate of each message.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_EXT_SUB_ID	Reserved for future use.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_EXT_FAX_ID	Reserved for future use.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_EXT_MAIN_PHONE_NUM	Reserved for future use.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_P_1	Contains user to defined data for display only through the TRM.	Length: 2 digits, Range: 0 to 16		S	O
OLD_HIA_P_2	Contains user to defined data for display only through the TRM.	Length: 2 digits, Range: 0 to 12		S	O

Table 15: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_MAIN_FO RWARDING_BY	Defines forwarding to the main phone number if a notification is sent to main phone number.	Length: 5 characters. Range: DIAL, TRM		S	O
OLD_HIA_ALT_FOR WARDING_BY	Defines forwarding to alternate phone number, if notification is sent to alternate phone number.	Length: 5 characters. Range: DIAL, TRM		S	O
OLD_HIA_PO_TYPE	Determines whether or not the subscriber has a personal operator.	Length: 10 characters. Values: ON, OFF, SCHEDULE		S	O
OLD_HIA_PO_DESTI NATION	Phone number of the personal operator.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_PO_DIALT YPE	Dial type of the personal operator.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_PO_TIME_ FROM	Starting time for calls to be transferred to the subscriber's personal operator.	Length: 5 units of time		S	O
OLD_HIA_CR_DIALT YPE	Guest call return type.	Length: 2 digits, Range: 1 to 99		S	O
OLD_HIA_PO_TIME_ TO	End of the time period for calls to be transferred to the personal operator.	Length: 5 units of time		S	O
OLD_HIA_SMDI_GR OUP	An SMDI link for data transmission.	Length: 3 digits, Range: 0 to 250		S	O
OLD_HIA_ML_NUM	Mailing list numbers.	Length: 2 digits, Range: 1 to 20		S	O
OLD_HIA_ML_ITEM S	Mailing list items.	Length: 255 characters		S	O

Table 15: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_PAGER_TIME_FROM	The administrator and the subscriber can define a schedule for the subscriber notification.	Length: 21 units of time		S	O
OLD_HIA_PAGER_TIME_TO	Specifies the time of the day until which the subscriber notification will be available.	Length: 21 units of time		S	O
OLD_HIA_TIMEZONE	Time zone for each mailbox.	Length: 2 digits, Range: 0 to 24		S	O
OLD_HIA_WEEKEND_PAGER_FROM	Notification option.	Length: 7 units of time		S	O
OLD_HIA_WEEKEND_PAGER_TO	Notification option.	Length: 7 units of time		S	O
OLD_HIA_ENABLE_PAGING	Enables or disables the subscriber notification.	Length: 3 characters		S	O
OLD_HIA_ENABLE_WEEKEND_PAGING	The administrator can specify the time of the day in which the notification will be available.	Length: 3 characters		S	O
OLD_HIA_MSG_RT_CLS	Provides routing class services for message delivery between subscribers.	Length: 2 digits, Range: 0 to 99		S	O
OLD_HIA_CR_RT_CLS	Call return routing class (filter) field.	Length: 3 digits, Range: 0 to 255		S	O
OLD_HIA_PO_RT_CLS	Personal operating class field.	Length: 3 digits, Range: 0 to 255		S	O

Table 15: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_PARTITION_ID	Indicates whether the subscriber is a corporate subscriber, as well as containing the Dbox ID.	Length: 16 characters		S	O
OLD_HIA_TEMP_SETUP_FLAG	When defining a new subscriber with a temporary setup, a special COS is assigned to the subscriber.	Length: 3 characters		S	O
OLD_HIA_ADDITIONAL_ACCESS_NUMBERS	The number of access IDs to enable access to the same mailbox from fixed and mobile networks.	Length: 250 characters		S	O
OLD_HIA_GROUP_NAME	Defines a group of subscribers within a limited area.	Length: 5 digits, Range: 0 to 65,536		S	O
OLD_HIA_SKIP_PASSWORD_CHECK	Enables a user to skip the entry of a password when signing on.	Length: 12 characters. Values: ALWAYS REMOTE, ALWAYS IN,ALWAYS OUT		S	O
OLD_HIA_GUEST_LANGUAGE	The subscriber can choose the language for a guest session.	Length: 2 digits, Range: 1 to 16		S	O
OLD_HIA_SMS_LANGUAGE	The subscriber can choose the language for short message service (SMS) message.	Length: 2 digits, Range: 1 to 16		S	O
OLD_HIA_REACHABILITY_DT_MAIN	Main phone dial type to differentiate between dialing functions and forwarding dialing types.	Length: 2 digits, Range: 1 to 99		S	O

Table 15: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_REACHA BILITY_DT_ALT	Alternate phone dial type to differentiate between dialing functions and forwarding dialing types.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_ANNOUN CEMENT_MODE	Defines the existence of a guest announcement.	Length: 3 characters		S	O
OLD_HIA_NEW_EXT _SUB_ID	Change ID (CHID) command uses 4 fields. NEW_EXT_IDs are new subscriber IDs of the CHID command.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_NEW_EXT _FAX_ID	New Fax ID field, which will change after the CHID is implemented.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_NEW_EXT _MAIN_PHONE_NU M	New telephone number ID field, which will change after the CHID is implemented.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_TARGET_ MBOX	New mailbox that will receive messages via the copy message command.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_SRL_MM U_RESPONSE_TIME	Time to out value of the relocation of messages during the copy message command.	Length: 21 characters		S	O
OLD_HIA_EMAP_ST ORAGE	This field is used as storage for the EMAP function.	Length: 25 characters		S	O

Table 15: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_TARGET_MSU	Subscribers may be transferred (relocated) to a specific, targeted MSU within the bounds of a single TRM or to an MSU.	Length: 3 digits, Range: 0 to 999		S	O
OLD_HIA_TARGET_TRM	Subscriber is assigned to an MSU based on load sharing when an MSU is not targeted.	Length: 3 digits, Range: 0 to 999		S	O
OLD_HIA_EPARAM01	TARGET_MSU EmapBit parameter 01.	Length: 3 characters		S	O
OLD_HIA_EPARAM02	TARGET_TRM EmapBit parameter 02.	Length: 3 characters		S	O
OLD_HIA_EPARAM03	EmapBit parameter 03.	Length: 3 characters		S	O
OLD_HIA_EPARAM04	EmapBit parameter 04.	Length: 3 characters		S	O
OLD_HIA_EPARAM05	EmapBit parameter 05.	Length: 3 characters		S	O
OLD_HIA_EPARAM06	EmapBit parameter 06.	Length: 3 characters		S	O
OLD_HIA_EPARAM07	EmapBit parameter 07.	Length: 3 characters		S	O
OLD_HIA_EPARAM08	EmapBit parameter 08.	Length: 3 characters		S	O
OLD_HIA_BULLETIN_GROUP	Subscriber is included in a bulletin group and receives a message each time a bulletin is released.	Length: 2 digits, Range: 1 to 99		S	O

Table 15: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_CAPTURE _EMPTY_MSG	Enables a short message containing the CLI and the time of the call, if a caller hangs up without leaving a message.	Length: 10 characters. Values: Yes 1, NO 2, UNKNOWN 4		S	O
OLD_HIA_NEW_USE R_TUTORIAL	Enables the TRM to recognize whether a subscriber (new or modified) has heard a New User Tutorial (NUT). If the user has not heard a specific NUT, the TRM allows the subscriber to hear it.	Length: 11 characters. Values: YES, NO, UNKNOWN, PW_ONLY, OGM_ONLY, VS_ONLY, PW_OGM_ ONLY, PW_VS_ONLY, OGM_VS_ONLY		S	O
OLD_HIA_ALT2_PH ONE_NUM	Additional notification numbers.	Length: 20 characters		S	O
OLD_HIA_ALT3_PH ONE_NUM	Additional notification numbers.	Length: 20 characters		S	O
OLD_HIA_ALT2_DIA L_TYPE	Additional notification numbers.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_ALT3_DIA L_TYPE	Additional notification numbers.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_TEXT_1	For internal use only.	Length: 25 characters		S	O
OLD_HIA_TEXT_2	For internal use only.	Length: 25 characters		S	O
OLD_HIA_TEXT_3	For internal use only.	Length: 25 characters		S	O
OLD_HIA_TEXT_4	For internal use only.	Length: 255 characters		S	O
OLD_HIA_AMTE_DE FAULT_EMAIL_ADD RESS	Predefines the subscriber's default email address.	Length: 32 chars. Values: NONE, 0, ALL, 1, URGENT, 2.		S	O

Table 15: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_AMTE_MESSAGE_TYPE	Enables an option to select the message type (Urgent, Normal, or All).	Length: 32 characters. Values: NONE, 0, VOICE, 1, FAX, 2, BOTH, 3.		S	O
OLD_HIA_AMTE_MESSAGE_DATA_TYPE	Enables the transferring of both voice and fax message data types to an email address.	Length: 256 characters		S	O
OLD_HIA_AMTE_KEEP_DELETE	Enables the storing or deleting of messages after transfer to an email address.	Value: 0/keep/KEEP/1/delete/DELETE		S	O
OLD_HIA_VOISMS_MSG_LENGTH	Controls the VoiSMS maximum message length.	Format: String, Length: 7, Value: KEEP, DELETE		S	O
OLD_HIA_VOISMS_KEEP_DELETE	Controls keeping played VoiSMS messages.	Length: 1, Range: 0 to 3		S	O
OLD_HIA_VOISMS_NOTIF_TYPE	Defines what type of VoiSMS notification the sender of the message receives.	Length: 2 digits, Range: 0 to 99		S	O
OLD_HIA_FAX_RT_CLS	Defines which phone numbers are available/restricted to a subscriber.	Length: 1 digit, Range: 0 to 4		S	O
OLD_HIA_FIFO_LIFO	By defining the appropriate COS, messages can be played on a FIFO basis, or LIFO basis.	Length: 2 digits, Range: 0 to 99		S	O
OLD_HIA_RING_DURATION	The number of rings is provisioned when creating a new subscriber profile.	Length: 2 digits, Range: 0 to 99		S	O

Table 15: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_IMAP_SERVER_NAME	MSU NG parameter. Defines the MIPS name.	Length: 40 characters		S	O
OLD_HIA_IMAP_LOGIN_NAME	Read only. MSU NG parameter. Defines the login to log in to the Email server.	Length: 30 characters		S	O
OLD_HIA_SMTP_USER	MSU NG parameter. Defines the username for the MIPS.	Length: 30 characters		S	O
OLD_HIA_SMTP_DOMAIN_NAME	MSU NG parameter. Defines the domain name for the MIPS.	Length: 30 characters		S	O
OLD_HIA_VOISMS_CLI	The VoiSMS service is accessed first by a data session and then by a voice session. This parameter enables access by data session to be forwarded directly to the voice session.	Format: Numeric		S	O
OLD_HIA_CHANGING_EMS	Determines whether the EMS (MIPS) is changed during SRL.	Values: Y, N, YES_WITHOUT_VIDEO		S	O
OLD_HIA_CVVM_AUTO_ENROLLMENT_ENABLED	Enables/disables OTA registration on the CVVM service from the handset.	Values: Y, N, Yes, No		S	O
OLD_HIA_CVVM_DIAL_IN_ENABLED	Enables/disables dial to in applications on the MSU.	Values: Y, N, Yes, No		S	O

Table 15: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_CVVM_NOTIF_ENABLED	Enabled by the RG command, so that CVVM notification is activated for a specific subscriber.	Values: Y, N, Yes, No		S	O
OLD_HIA_CVVM_NOTIF_METHOD	Determines the method in which the CVVM notification message is sent.	Values: 0 = Unknown 1 = Simple (Symbian) 2 = Brew		S	O
OLD_HIA_WHO_CALLED_ENABLED	Enables the who called service.	Length: 3 characters		S	O
OLD_HIA_SERVICE_OPTIONS	VXML subscriber services (set to ON).	Length: 3 digits, Range: 0 to 255		S	O
OLD_HIA_EXT_SERVICES	Specifies an MSU internal parameter used by Emap.	Length: 2 digits, Range: 0 to 15		S	O
OLD_HIA_INOT_ENABLED	Enables/disables the Interactive Notification (IVMN) service.	Length: 8 characters		S	O
OLD_HIA_INOT_CLASS	Specifies the service class of an IVMN subscriber.	Length: 4 characters		S	O
OLD_HIA_LISTEN_OPTION	Specifies the format of the introduction header message.	Length: 1 character		S	O
OLD_HIA_PO_ALLOWED_DATE	Various setups for PO scheduling.	Length: 3 digits, Range: 1 to 999		S	O
OLD_HIA_SUBSET_NAME	The Fkeys use SQLR command to retrieve defaults and COS.	Values: Y, N, YES, NO, T, true, 1, F, false, 0, U, B		S	O
OLD_HIA_NL_ENTRY	The number of the notification list entry.			S	O

Table 15: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_NL_MEDIA	Equivalent to the Implementation Mode field.	Format: String Length: 80 Illegal values: [space]		S	O
OLD_HIA_NL_DEST	Destination of the MWI.	Format: String Length: 8		S	O
OLD_HIA_NL_ON	Implementation mode is set to TRM or DIAL, these fields determine the dialing sequence necessary to activate and deactivate the subscriber's MWI.	Length: 4 chars. Values: NONE, 0, NLU, 1,VXL, 2		S	O
OLD_HIA_NL_OFF	Implementation mode is set to TRM or DIAL, these fields determine the dialing sequence necessary to activate and deactivate the subscriber's MWI.			S	O
OLD_HIA_NL_SMDI	If SMDI is selected as the implementation mode, this parameter determines the SMDI group to use.			S	O
OLD_HIA_DBOX_ID	This accepts value for Dialogue box ID.			S	O
OLD_HIA_DBOX_NAME	This accepts value for Dialogue box name.	Format: numeric Length: 16 Range: 100-9999999999999999		S	O
OLD_HIA_DBOX_TIMEOUT	This accepts value for Dialogue box time out.	Format: numeric Length: 3 Range: 1-999		S	O
OLD_HIA_DBOX_REPETITION	This accepts value for Dialogue box repetition.	String of length 30 characters		S	O

Table 15: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_DBOX_ENV	This accepts value for Dialogue box environment.	Format: numeric Length: 16 Range: 1-9999999999999999		S	O
OLD_HIA_DBOX_START _RECORD	This accepts value for Dialogue box start record.	Format: numeric Length: 16 Range: 1-9999999999999999		S	O
OLD_HIA_DBOX_TSR_ENV	This accepts value for Dialogue box TSR env.	Format: numeric Length: 3 Range: 1-255		S	O
OLD_HIA_DBOX_GREET_TYPE	This accepts value for Dialogue box greet type.	Format: String Length: 2		S	O
OLD_HIA_DBOX_GREET_NUMBER	This accepts value for Dialogue box greet number.	Format: String. Length: 10		S	O
OLD_HIA_DBOX_OPERATION	This accepts value for Dialogue box operation.	Format: String Length: 8		S	O
OLD_HIA_MSI_ID_LIST	MSI ID list.	Format: numeric Length: 4 Range: 0-9999		S	O
OLD_HIA_TARGET_MSU_ID_LIST	Target MSU ID list.	Format: numeric Length: 8 Range: 100-9999999999		S	O
OLD_HIA_TARGET_TRM_ID_LIST	Target TRM ID list.	Format: numeric Length: 2 Range: 1-16		S	O
OLD_HIA_LAUNCHED_ APPLICATION_URL	The URL to which the user is connected (from the DBOX).	Format: String Length: 80 Values: A legal URL. Status: Optional		S	O
OLD_HIA_EXT_SERVICE_RETURN_DBOX	The DBOX ID that the user will be connected to after VXML termination.	Format: String Length: 8 Values: A legal Dbox ID. Status: Optional		S	O

Table 15: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_HOST_TYPE	The kind of platform type: NONE, NLU, VXL.	Format: String Length: 1 Values: 0, 1, 2 Status: Optional		S	O
OLD_HIA_FAX_MAIL_ENABLED	Indicated if the Fax mail message type is open.	Format: String Length: 1 Values: Y, N, 1, 0 Status: Optional		S	O
OLD_HIA_EMAIL_ENABLED	Indicated if the Email message type is open.	Format: String Length: 1 Values: Y, N, 1, 0 Status: Optional		S	O
OLD_HIA_MMAILENABLED	MM mail enabled.			S	O
OLD_HIA_WAPPUSHENABLED	Wap push enabled.			S	O
OLD_HIA_HANDSETTYPE	Handset type.			S	O
OLD_HIA_TUI_EXCLUDE_MESSAGE	Indicates which message types are disabled for TUI access. Multiple values can be entered.	Length: 256		S	O
OLD_HIA_ACTIVATE_VM_PA	This field indicates whether Voicemail PA is active, although the profile is defined in the TRM/MSU. (To be used by the TRM-AUX and SRL processes.)	Format: String Length: 1 Values: Y, N Status: Optional		S	O
OLD_HIA_CORPORATE_ID	Old HIA corporate ID.	Format: String Length: 7 Values: KEEP, DELETE		S	O
OLD_HIA_REMOTE_FILE	Remote file.	Format: numeric Length: 20 Range: 1-9999 9999999999999999		S	O

Table 15: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_LOCAL_PATH	Local path.	Format: numeric Length: 3 Range: 1-999		S	O
OLD_HIA_ISSAC_VALID	According to value (1/2/3) applies/does not apply. Verification and divert for the subscriber's main phone through the ISSAC.	Format: String Length: 1 Values: Y, N		S	O
OLD_HIA_VOICE_MAIL_MWI_TYPE	Voicemail message waiting indication is enabled with an ON/OFF feature. New values for MWI_TYPE are defined via the message notification screen.	Format: String Length: 8 Values: ALL (1), NORMAL (2), URGENT (3)		S	O
OLD_HIA_ML_FROM	Mailing list retrieval from the TRM via the MSU. ML_FROM specifies from which address data is received.	Format:String Length: 10 Status: Optional		S	O
OLD_HIA_ML_AMOUNT	Sets the amount of data to be retrieved. Mailing list retrieval is in groups of 50 addresses starting from a specified point. After receiving 50 addresses, additional data may be received from the same ML in increments of 50.	Format: String Length: 10 Default: 50 Status: Optional		S	O
OLD_HIA_TRANSID2	Transid2. Not for regular provisioning use. This is an optional parameter.			S	O

Table 15: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_MSU_ACCOUNT_ENABLED	Indicates whether the subscriber's MSU account is enabled.	Format: String		S	O
OLD_HIA_TRANSID 1	Transid1. Not for regular provisioning use. This is an optional parameter.			S	O
OLD_HIA_SERVICE_ BAR_ID	Service bar ID.	Format: Numeric Length: 3 digits Range: 0-256 Status: Optional		S	O
OLD_HIA_SERVICE_ BAR_NAME	Service bar name.	Format: String Length: 20 Status: Optional		S	O
OLD_HIA_GR_NUM	GR num.	Format: Numeric Length: 3 digits Range 0-256 Status: Optional		S	O
OLD_HIA_OUTDIAL _ DESTINATION	Outdial by HIA permits the system administrator to have TRILOGUE INfinity initiate an outcall to any subscriber or non-subscriber by invoking an HIA command. The outcall is handled as a standard subscriber delivery session.	Format: String Length: 10 Status: This field is currently unavailable.		S	O
OLD_HIA_OUTDIAL _DLV_TIME	Optional field, which defines the delivery time and date and specifies that the outdial is placed in the FUD table. If there is no date specified, the default delivery time is the current time.	Format: String Length: 10 Status: This field is currently unavailable.		S	O

Table 15: A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_OUTDIAL _DIALING_TYPE	Optional field which specifies the dial type for the outdial function. This is a string of length 10 characters.	Status: This field is currently unavailable.		S	O
OLD_HIA_DESTINA TION	Destination.			S	O
OLD_HIA_OUTDIAL _DBOX	Outdial Dbox.			S	O
OLD_HIA_MESSAGE _NUM	Message num.			S	O
OLD_HIA_PREV_CO S	Prev cos.			S	O
OLD_HIA_MSG_PAR AM	Msg param.			S	O
OLD_HIA_IMAP_PAS SWORD	Voicemail password. Defines the password to enter the Email server.	Format: String Length: 30 Status: Optional when F146 is set to Y		S	O
OLD_HIA_MSUNG_T YPE	MSU next generation enabled.	Format: String Length: 1 Values: Y, N; Must be set to Y to enable F141-F145.		S	O
VIRTUAL_RB_REQD	This flag is set to true when this virtual implementation needs to be invoked.	True or False	False	S	O

MML Commands

```
<Command Code> <ID>[<comma><Optional Parameter1>=<value1><comma><Optional
Parameter2>=<value2> ...]

Where

<Command Code> = M

<Optional Parameter> = List of optional parameters
```

Note: Instead of using parameter names to build the command, this cartridge
will use its code, called Fkeys.

Output Parameters

Return as CSDL parameter:

A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER-RB_UDET=<user defined exit type>

RETURN AS INFO PARAMETER(S):

A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER-RB_RETURN_INFO=ID: <SUB_ID>
ERROR: <Error Code> Message string

A_COMVERSE-VMS_3-4-2_MOD_VIRTUAL-SUBSCRIBER

Virtual Mod service for rollback.

It is implemented by the Java method:
**com.mslv.cartridge.oss.comverse_vms_3_4_2.prov.ComverseVMSProvisionSubscr.Virt
ualSubsMod**

Table 16: A_COMVERSE-VMS_3-4-2_MOD_VIRUTAL-SUBSCRIBER

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

MML Commands

None

Output Parameters

None

A_COMVERSE-VMS_3-4-2_QRY_GENERIC-ID-RB

Rollback feature for the Query Generic-ID service.

It is implemented by the Java method:
com.mslv.cartridge.oss.comverse_vms_3_4_2.prov.ComverseVMSProvisionSubscr.query ByGID

Table 17: A_COMVERSE-VMS_3-4-2_QRY_GENERIC-ID-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	MCLI.			S	R
VM_ID	Unique ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R

MML Commands

```
This method is used to retrieve the subscriber record.
```

```
MML command 'R <ID>'
```

```
Note: Instead of using parameter names to build the command, this cartridge
will use its code, called Fkeys.
```

Output Parameters

RETURN AS CSDL PARAMETER(S):

A_COMVERSE-VMS_3-4-2_QRY_GENERIC-ID-RB_UDET=<user defined exit type>

RETURN AS INFO PARAMETER(S):

A_COMVERSE-VMS_3-4-2_QRY_GENERIC-ID-RB_RETURN_INFO=ID: <SUB_ID>
ERROR: <Error Code> Message string

In case of successful response following parameters will be returned as both INFO and CSDL parameters.

OLD_HIA_EXT_SUB_ID

OLD_HIA_EXT_FAX_ID

OLD_HIA_EXT_MAIN_PHONE_NUM

OLD_HIA_NEW_EXT_SUB_ID

OLD_HIA_NEW_EXT_FAX_ID

OLD_HIA_NEW_EXT_MAIN_PHONE_NUM

A_COMVERSE-VMS_3-4-2_QRY_SUBSCRIBER

This service queries the subscriber details.

It is implemented by the Java method:
com.mslv.cartridge.oss.comverse_vms_3_4_2.prov.ComverseVMSProvisionSubscr.querySubscriber

Table 18: A_COMVERSE-VMS_3-4-2_QRY_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	MCLI.			S	R
VM_ID	Unique ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R

MML Commands

```
This method is used to retrieve the subscriber record.

QUERY-TMC FLAG is not a part of the mml command

if 'QUERY_TMC' IS 'FALSE' then

MML command 'R <ID>'

else

MML command 'TMCR <ID>' meaning it retrieves through TMCR.

Note: Instead of using parameter names to build the command, this cartridge
will use its code, called Fkeys.
```

Output Parameters

RETURN AS CSDL PARAMETER(S):

A_COMVERSE-VMS_3-4-2_QRY_SUBSCRIBER_UDET=<user defined exit type>

RETURN AS INFO PARAMETER(S):

A_COMVERSE-VMS_3-4-2_QRY_SUBSCRIBER_RETURN_INFO=ID: <SUB_ID>
ERROR: <Error Code> Message string

In case of successful response following parameters will be returned as both INFO and CSDL
parameters.

HIA_SUB_ID

HIA_COS_NUM

HIA_USER_NAME

HIA_FAX_ID

HIA_MAIN_PHONE_NUM

HIA_MSU_ID

HIA_MSU_NAME

HIA_PASSWORD_DATE

HIA_ACCOUNT_NUM

HIA_DIALING_PREFIX

HIA_PERSONAL_TOP_BOX

HIA_LANGUAGE_ID

HIA_SERVICE_LEVEL

HIA_ACCESS_RIGHTS

HIA_MAILING_LIST_LIMIT

HIA_ROUTING_CLASS

HIA_FORWARDING_TYPE

HIA_FORWARDING_PHONE

HIA_PLAYED_MSGS

HIA_ALT_PHONE_NUM

HIA_SENT_MSGS_LIMIT

HIA_MWI

HIA_ALTERNATE_PHONE_DIAL_TYPE

HIA_ALTERNATE_PHONE_NUM_OF_RETRIES

HIA_CASCADING_TO_TYPE

HIA_CASCADING_NUM

HIA_CASCADING_MSGS_KEEP

HIA_CASCADING_PAGER_TYPE

HIA_BILLING_NUM

HIA_DIALING_TYPE

HIA_AUTO_TRANSFER_TYPE

HIA_AUTO_TRANSFER_DEST

HIA_OMI

HIA_DELIVERY_TIME_FROM

HIA_DELIVERY_TIME_TO

HIA_MAIN_PHONE_DIAL_TYPE

HIA_MAIN_PHONE_NUM_OF_RETRIES

HIA_REACHABILITY

HIA_RETENTION_TIME

HIA_MWI_IMPLEMENTATION_MODE

HIA_MWI_ON_DIALTYPE

HIA_MWI_OFF_DIALTYPE

HIA_COPY_TO_MAILBOX

HIA_EXT_SUB_ID

HIA_EXT_FAX_ID

HIA_EXT_MAIN_PHONE_NUM

HIA_P_1

HIA_P_2

HIA_MAIN_FORWARDING_BY

HIA_ALT_FORWARDING_BY

HIA_PO_TYPE

HIA_PO_DESTINATION

HIA_PO_DIALTYPE

HIA_PO_TIME_FROM

HIA_CR_DIALTYPE

HIA_PO_TIME_TO

HIA_SMDI_GROUP

HIA_PAGER_TIME_FROM

HIA_PAGER_TIME_TO

HIA_TIMEZONE

HIA_WEEKEND_PAGER_FROM

HIA_WEEKEND_PAGER_TO

HIA_ENABLE_PAGING

HIA_ENABLE_WEEKEND_PAGING

HIA_MSG_RT_CLS

HIA_CR_RT_CLS

HIA_PO_RT_CLS

HIA_PARTITION_ID

HIA_TEMP_SETUP_FLAG

HIA_KIP_PASSWORD_CHECK

HIA_UEST_LANGUAGE

HIA_SMS_LANGUAGE

HIA_REACHABILITY_DT_MAIN

HIA_REACHABILITY_DT_ALT

HIA_ANNOUNCEMENT_MODE

HIA_EMAP_STORAGE

HIA_EPARAM01

HIA_EPARAM02

HIA_EPARAM03

HIA_EPARAM04

HIA_EPARAM05

HIA_EPARAM06

HIA_EPARAM07

HIA_BULLETIN_GROUP

HIA_CAPTURE_EMPTY_MSG

HIA_NEW_USER_TUTORIAL

HIA_ ALT2_PHONE_NUM

HIA_ALT3_PHONE_NUM

HIA_ALT2_DIAL_TYPE

HIA_ALT3_DIAL_TYPE

HIA_EPARAM08

HIA_TEXT_1

HIA_TEXT_2

HIA_TEXT_3

HIA_TEXT_4

HIA_VOISMS_MSG_LENGTH

HIA_VOISMS_KEEP_DELETE

HIA_VOISMS_NOTIF_TYPE

HIA_FAX_RT_CLS

HIA_FIFO_LIFO

HIA_RING_DURATION

HIA_VOISMS_CLI

HIA_WHO_CALLED_ENABLED

HIA_SERVICE_OPTIONS

HIA_EXT_SERVICES

HIA_INOT_ENABLED

HIA_INOT_CLASS

HIA_LISTEN_OPTION

HIA_PO_ALLOWED_DATE

A_COMVERSE-VMS_3-4-2_QRY_SUBSCRIBER-RB

Rollback feature for Query Subscriber service.

It is implemented by the Java method:
com.mslv.cartridge.oss.comverse_vms_3_4_2.prov.ComverseVMSProvisionSubscr.querySubscriberRB

Table 19: A_COMVERSE-VMS_3-4-2_QRY_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	MCLI.			S	R
VM_ID	Unique ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R

MML Commands

```
This method is used to retrieve the parameters with OLD prefix in order to
enable rollback.
```

```
MML command 'R <ID>'
```

```
Note: Instead of using parameter names to build the command, this cartridge
will use its code, called Fkeys.
```

Output Parameters

RETURN AS CSDL PARAMETER(S):

A_COMVERSE-VMS_3-4-2_QRY_SUBSCRIBER-RB_UDET=<user defined exit type>

RETURN AS INFO PARAMETER(S):

A_COMVERSE-VMS_3-4-2_QRY_SUBSCRIBER-RB_RETURN_INFO=ID: <SUB_ID>
ERROR: <Error Code> Message string

In case of successful response following parameters will be returned as both INFO and CSDL
parameters.

OLD_HIA_SUB_ID

OLD_HIA_COS_NUM

OLD_HIA_USER_NAME

OLD_HIA_FAX_ID

OLD_HIA_MAIN_PHONE_NUM

OLD_HIA_MSU_ID

OLD_HIA_MSU_NAME

OLD_HIA_PASSWORD_DATE

OLD_HIA_ACCOUNT_NUM

OLD_HIA_DIALING_PREFIX

OLD_HIA_PERSONAL_TOP_BOX

OLD_HIA_LANGUAGE_ID

OLD_HIA_SERVICE_LEVEL

OLD_HIA_ACCESS_RIGHTS

OLD_HIA_MAILING_LIST_LIMIT

OLD_HIA_ROUTING_CLASS

OLD_HIA_FORWARDING_TYPE

OLD_HIA_FORWARDING_PHONE

OLD_HIA_PLAYED_MSGS

OLD_HIA_ALT_PHONE_NUM

OLD_HIA_SENT_MSGS_LIMIT

OLD_HIA_MWI

OLD_HIA_ALTERNATE_PHONE_DIAL_TYPE

OLD_HIA_ALTERNATE_PHONE_NUM_OF_RETRIES

OLD_HIA_CASCADING_TO_TYPE

OLD_HIA_CASCADING_NUM

OLD_HIA_CASCADING_MSGS_KEEP

OLD_HIA_CASCADING_PAGER_TYPE

OLD_HIA_BILLING_NUM

OLD_HIA_DIALING_TYPE

OLD_HIA_AUTO_TRANSFER_TYPE

OLD_HIA_AUTO_TRANSFER_DEST

OLD_HIA_OMI

OLD_HIA_DELIVERY_TIME_FROM

OLD_HIA_DELIVERY_TIME_TO

OLD_HIA_MAIN_PHONE_DIAL_TYPE

OLD_HIA_MAIN_PHONE_NUM_OF_RETRIES

OLD_HIA_REACHABILITY

OLD_HIA_RETENTION_TIME

OLD_HIA_MWI_IMPLEMENTATION_MODE

OLD_HIA_MWI_ON_DIALTYPE

OLD_HIA_MWI_OFF_DIALTYPE

OLD_HIA_COPY_TO_MAILBOX

OLD_HIA_EXT_SUB_ID

OLD_HIA_EXT_FAX_ID

OLD_HIA_EXT_MAIN_PHONE_NUM

OLD_HIA_P_1

OLD_HIA_P_2

OLD_HIA_MAIN_FORWARDING_BY

OLD_HIA_ALT_FORWARDING_BY

OLD_HIA_PO_TYPE

OLD_HIA_PO_DESTINATION

OLD_HIA_PO_DIALTYPE

OLD_HIA_PO_TIME_FROM

OLD_HIA_CR_DIALTYPE

OLD_HIA_PO_TIME_TO

OLD_HIA_SMDI_GROUP

OLD_HIA_PAGER_TIME_FROM

OLD_HIA_PAGER_TIME_TO

OLD_HIA_TIMEZONE

OLD_HIA_WEEKEND_PAGER_FROM

OLD_HIA_WEEKEND_PAGER_TO

OLD_HIA_ENABLE_PAGING

OLD_HIA_ENABLE_WEEKEND_PAGING

OLD_HIA_MSG_RT_CLS

OLD_HIA_CR_RT_CLS

OLD_HIA_PO_RT_CLS

OLD_HIA_PARTITION_ID

OLD_HIA_TEMP_SETUP_FLAG

OLD_HIA_KIP_PASSWORD_CHECK

OLD_HIA_UEST_LANGUAGE

OLD_HIA_SMS_LANGUAGE

OLD_HIA_REACHABILITY_DT_MAIN

OLD_HIA_REACHABILITY_DT_ALT

OLD_HIA_ANNOUNCEMENT_MODE

OLD_HIA_EMAP_STORAGE

OLD_HIA_EPARAM01

OLD_HIA_EPARAM02

OLD_HIA_EPARAM03

OLD_HIA_EPARAM04

OLD_HIA_EPARAM05

OLD_HIA_EPARAM06

OLD_HIA_EPARAM07

OLD_HIA_BULLETIN_GROUP

OLD_HIA_CAPTURE_EMPTY_MSG

OLD_HIA_NEW_USER_TUTORIAL

OLD_HIA_ ALT2_PHONE_NUM

OLD_HIA_ALT3_PHONE_NUM

OLD_HIA_ALT2_DIAL_TYPE

OLD_HIA_ALT3_DIAL_TYPE

OLD_HIA_EPARAM08

OLD_HIA_TEXT_1

OLD_HIA_TEXT_2

OLD_HIA_TEXT_3

OLD_HIA_TEXT_4

OLD_HIA_VOISMS_MSG_LENGTH

OLD_HIA_VOISMS_KEEP_DELETE

OLD_HIA_VOISMS_NOTIF_TYPE

OLD_HIA_FAX_RT_CLS

OLD_HIA_FIFO_LIFO

OLD_HIA_RING_DURATION

OLD_HIA_VOISMS_CLI

OLD_HIA_WHO_CALLED_ENABLED

OLD_HIA_SERVICE_OPTIONS

OLD_HIA_EXT_SERVICES

OLD_HIA_INOT_ENABLED

OLD_HIA_INOT_CLASS

OLD_HIA_LISTEN_OPTION

OLD_HIA_PO_ALLOWED_DATE

A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER

This service resets the subscriber details.

It is implemented by the Java method:
com.mslv.cartridge.oss.comverse_vms_3_4_2.prov.ComverseVMSProvisionSubscr.reset
Subscriber

Table 20: A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	MCLI.			S	R
VM_ID	Unique ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R

MML Commands

```
This method is used to reset the Voice Mail subscriber.
```

```
MML Command:
```

```
<Command Code> <ID>
```

```
Where
```

```
<Command Code> = T
```

```
<ID> = Subscriber ID
```

```
Note: Instead of using parameter names to build the command, this cartridge
will use its code, called Fkeys.
```

Output Parameters

RETURN AS CSDL PARAMETER(S):

A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER_UDET=<user defined exit type>

RETURN AS INFO PARAMETER(S):

A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER_RETURN_INFO=ID: <SUB_ID>
ERROR: <Error Code> Message string

A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER-RB

Rollback feature for the Reset Subscriber service.

It is implemented by the Java method:
com.mslv.cartridge.oss.comverse_vms_3_4_2.prov.ComverseVMSProvisionSubscr.reset RBSubscriber

Table 21: A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	MCLI.			S	R
VM_ID	Unique ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R
OLD_HIA_COS_NUM	Subscriber's class of service.	Length: 3 digits		S	O
OLD_HIA_USER_NAME	Subscriber's full name.	Length: 16 digits, Range: 1 to 9999999999999999		S	O
OLD_HIA_MAIN_PHONE_NUM	Subscriber's phone number.	Length: 16 digits, Range: 1 to 9999999999999999		S	O
OLD_HIA_FAX_ID	Allows direct guest access to a subscriber's mailbox as if it were a fax machine.	Length: 16 digits, Range: 1 to 9999999999999999		S	O
OLD_HIA_MSU_ID	ID of the MSU on which to create the new subscriber.	Length: 3 digits, Range: 1 to 255		S	O
OLD_HIA_MSU_NAME	Name of the MSU where the subscriber is stored.	Length: 2 characters		S	O
OLD_HIA_PASSWORD	Mailbox password.	Length: 33 characters		S	O
OLD_HIA_ACCOUNT_NUM	Identifies a group of related subscribers.	Length: 8 characters		S	O

Table 21: A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_DIALING_ PREFIX	A dialing prefix may be required before the subscriber's main phone number when that number is called.	Length: 4 digits, Range: 0 to 9999		S	O
OLD_HIA_PERSONA L_TOP_BOX	Relevant only when GenLogue is installed.	Length: 8 digits, Range: 100 to 99999999		S	O
OLD_HIA_LANGUA GE_ID	Defines the language of the system prompts played when the mailbox is accessed.	Length: 2 digits, Range: 1 to 16		S	O
OLD_HIA_SERVICE_ LEVEL	Service level assigned to the subscriber.	Length: 3 digits, Range: 1 to 999		S	O
OLD_HIA_ACCESS_ RIGHTS	Access rights assigned to the subscriber.	Length: 2 digits, Range: 1 to 99		S	O
OLD_HIA_MAILING _LIST_LIMIT	Maximum number of entries the subscriber may define in each personal mailing list.	Length: 2 digits, Range: 0 to 99		S	O
OLD_HIA_ROUTING _CLASS	Controls outgoing calls and other system functions.	Length: 2 digits, Range: 0 to 99		S	O
OLD_HIA_FORWAR DING_TYPE	Type of messages to be forwarded to the specified destination.	Format: String Length: 6 Range: Urgent, All, None		S	O
OLD_HIA_FORWAR DING_PHONE	Selects the subscriber's main or alternate phone number as a forwarding destination.	Format: String, Length: 10, Values: Main, Alternate		S	O
OLD_HIA_PLAYED_ MSGS	Determines whether a message is kept or deleted by default.	Format: String, Length: 7, Values: Keep, Delete		S	O

Table 21: A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_ALT_PHONE_NUM	Alternate phone number chosen by the subscriber for notification purposes.	Length: 20 digits, Range: 1 to 99999999999999999999		S	O
OLD_HIA_SENT_MSGS_LIMIT	Maximum length (in seconds) of a message, greeting, or voice signature that subscriber can record.	Length: 3 digits, Range: 1 to 999		S	O
OLD_HIA_MWI	Activates or deactivates the message waiting indication.	Length: 3 characters, Values YES, NO		S	O
OLD_HIA_ALTERNATE_PHONE_DIAL_TYPE	Defines calling details for message notification.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_ALTERNATE_PHONE_NUM_OF_RETRIES	Number of notification attempts made to the recipient of a message.	Length: 2 digits, Range: 1 to 99		S	O
OLD_HIA_CASCADING_TO_TYPE	Specifies the destination for cascading.	Length: 7 characters, Values: BOX, PHONE		S	O
OLD_HIA_CASCADING_NUM	Cascading destination number.	Length: 14 characters		S	O
OLD_HIA_CASCADING_MSGS_KEEP	Defines whether a cascaded message is kept or deleted from the original mailbox.	Length: 7 characters		S	O
OLD_HIA_CASCADING_PAGER_TYPE	Defines how a pager is activated when cascading to a pager takes place.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_BILLING_NUM	Subscriber's calling card number.	Length: 18 digits		S	O

Table 21: A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_DIALING_TYPE	Defines how out dial is performed for message notification.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_AUTO_TRANSFER_TYPE	Type of faxes that are automatically transferred.	Length: 20 characters, Values: UNCONFIDENTIAL, ALL, NONE		S	O
OLD_HIA_AUTO_TRANSFER_DEST	A fax telephone number containing up to 13 characters and preceded by zero.	Length: 14 characters		S	O
OLD_HIA_OMI	Activates the OMI option.	Length: 5 characters		S	O
OLD_HIA_DELIVERY_TIME_FROM	Start of time period during which auto transfer faxes are delivered.	Length: 7 units of time		S	O
OLD_HIA_DELIVERY_TIME_TO	End of the delivery period for automatic fax transfer.	Length: 7 units of time		S	O
OLD_HIA_MAIN_PHONE_DIAL_TYPE	Defines how outdial is performed for message notification.	Length: 2 digits, Range: 1 to 58		S	O
OLD_HIA_MAIN_PHONE_NUM_OF_RETRIES	Number of notification attempts made to the recipient of a message.	Length: 2 digits, Range: 1 to 99		S	O
OLD_HIA_REACHABILITY	Controls system to initiated message forwarding to the main or alternate number upon demand from a host.	Length: 10 characters		S	O
OLD_HIA_RETENTION_TIME	Limits the number of days a mailbox can exist.	Length: 3 digits, Range: 1 to 999		S	O

Table 21: A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_MWI_IMP LEMENTATION_MO DE	Specifies the MWI activation method.	Length: 13 characters. Range: DLX, TRM, CCS,DIAL, SMDI, ISDN,TRM_NOR EACH		S	O
OLD_HIA_MWI_ON_ DIALTYPE	The activation of the MWI signal if the MWI implementation mode is By Dialing.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_MWI_OFF _DIALTYPE	Defines the deactivation of the MWI signal if the MWI implementation mode is By Dialing.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_COPY_TO _MAILBOX	Mailbox ID, which receives a duplicate of each message.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_EXT_SUB _ID	Reserved for future use.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_EXT_FAX _ID	Reserved for future use.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_EXT_MAI N_PHONE_NUM	Reserved for future use.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_P_1	Contains user to defined data for display only through the TRM.	Length: 2 digits, Range: 0 to 16		S	O
OLD_HIA_P_2	Contains user to defined data for display only through the TRM.	Length: 2 digits, Range: 0 to 12		S	O

Table 21: A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_MAIN_FORWARDING_BY	Defines forwarding to the main phone number if a notification is sent to main phone number.	Length: 5 characters. Range: DIAL, TRM		S	O
OLD_HIA_ALT_FORWARDING_BY	Defines forwarding to alternate phone number, if notification is sent to alternate phone number.	Length: 5 characters. Range: DIAL, TRM		S	O
OLD_HIA_PO_TYPE	Determines whether or not the subscriber has a personal operator.	Length: 10 characters. Values: ON, OFF, SCHEDULE		S	O
OLD_HIA_PO_DESTINATION	Phone number of the personal operator.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_PO_DIALTYPE	Dial type of the personal operator.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_PO_TIME_FROM	Starting time for calls to be transferred to the subscriber's personal operator.	Length: 5 units of time		S	O
OLD_HIA_CR_DIALTYPE	Guest call return type.	Length: 2 digits, Range: 1 to 99		S	O
OLD_HIA_PO_TIME_TO	End of the time period for calls to be transferred to the personal operator.	Length: 5 units of time		S	O
OLD_HIA_SMDI_GROUP	An SMDI link for data transmission.	Length: 3 digits, Range: 0 to 250		S	O
OLD_HIA_ML_NUM	Mailing list numbers.	Length: 2 digits, Range: 1 to 20		S	O
OLD_HIA_ML_ITEMS	Mailing list items.	Length: 255 characters		S	O

Table 21: A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_PAGER_TIME_FROM	The administrator and the subscriber can define a schedule for the subscriber notification.	Length: 21 units of time		S	O
OLD_HIA_PAGER_TIME_TO	Specifies the time of the day until which the subscriber notification will be available.	Length: 21 units of time		S	O
OLD_HIA_TIMEZONE	Time zone for each mailbox.	Length: 2 digits, Range: 0 to 24		S	O
OLD_HIA_WEEKEND_PAGER_FROM	Notification option.	Length: 7 units of time		S	O
OLD_HIA_WEEKEND_PAGER_TO	Notification option.	Length: 7 units of time		S	O
OLD_HIA_ENABLE_PAGING	Enables or disables the subscriber notification.	Length: 3 characters		S	O
OLD_HIA_ENABLE_WEEKEND_PAGING	The administrator can specify the time of the day in which the notification will be available.	Length: 3 characters		S	O
OLD_HIA_MSG_RT_CLS	Provides routing class services for message delivery between subscribers.	Length: 2 digits, Range: 0 to 99		S	O
OLD_HIA_CR_RT_CLS	Call return routing class (filter) field.	Length: 3 digits, Range: 0 to 255		S	O
OLD_HIA_PO_RT_CLS	Personal operating class field.	Length: 3 digits, Range: 0 to 255		S	O

Table 21: A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_PARTITION_ID	Indicates whether the subscriber is a corporate subscriber, as well as containing the Dbox ID.	Length: 16 characters		S	O
OLD_HIA_TEMP_SETUP_FLAG	When defining a new subscriber with a temporary setup, a special COS is assigned to the subscriber.	Length: 3 characters		S	O
OLD_HIA_ADDITIONAL_ACCESS_NUMBERS	The number of access IDs to enable access to the same mailbox from fixed and mobile networks.	Length: 250 characters		S	O
OLD_HIA_GROUP_NAME	Defines a group of subscribers within a limited area.	Length: 5 digits, Range: 0 to 65,536		S	O
OLD_HIA_SKIP_PASSWORD_CHECK	Enables a user to skip the entry of a password when signing on.	Length: 12 characters. Values: ALWAYS REMOTE, ALWAYS IN,ALWAYS OUT		S	O
OLD_HIA_GUEST_LANGUAGE	The subscriber can choose the language for a guest session.	Length: 2 digits, Range: 1 to 16		S	O
OLD_HIA_SMS_LANGUAGE	The subscriber can choose the language for short message service (SMS) message.	Length: 2 digits, Range: 1 to 16		S	O
OLD_HIA_REACHABILITY_DT_MAIN	Main phone dial type to differentiate between dialing functions and forwarding dialing types.	Length: 2 digits, Range: 1 to 99		S	O

Table 21: A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_REACHA BILITY_DT_ALT	Alternate phone dial type to differentiate between dialing functions and forwarding dialing types.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_ANNOUN CEMENT_MODE	Defines the existence of a guest announcement.	Length: 3 characters		S	O
OLD_HIA_NEW_EXT _SUB_ID	Change ID (CHID) command uses 4 fields. NEW_EXT_IDs are new subscriber IDs of the CHID command.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_NEW_EXT _FAX_ID	New Fax ID field, which will change after the CHID is implemented.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_NEW_EXT _MAIN_PHONE_NU M	New telephone number ID field, which will change after the CHID is implemented.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_TARGET_ MBOX	New mailbox that will receive messages via the copy message command.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
OLD_HIA_SRL_MM U_RESPONSE_TIME	Time to out value of the relocation of messages during the copy message command.	Length: 21 characters		S	O
OLD_HIA_EMAP_ST ORAGE	This field is used as storage for the EMAP function.	Length: 25 characters		S	O

Table 21: A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_TARGET_MSU	Subscribers may be transferred (relocated) to a specific, targeted MSU within the bounds of a single TRM or to an MSU.	Length: 3 digits, Range: 0 to 999		S	O
OLD_HIA_TARGET_TRM	Subscriber is assigned to an MSU based on load sharing when an MSU is not targeted.	Length: 3 digits, Range: 0 to 999		S	O
OLD_HIA_EPARAM01	TARGET_MSU EmapBit parameter 01.	Length: 3 characters		S	O
OLD_HIA_EPARAM02	TARGET_TRM EmapBit parameter 02.	Length: 3 characters		S	O
OLD_HIA_EPARAM03	EmapBit parameter 03.	Length: 3 characters		S	O
OLD_HIA_EPARAM04	EmapBit parameter 04.	Length: 3 characters		S	O
OLD_HIA_EPARAM05	EmapBit parameter 05.	Length: 3 characters		S	O
OLD_HIA_EPARAM06	EmapBit parameter 06.	Length: 3 characters		S	O
OLD_HIA_EPARAM07	EmapBit parameter 07.	Length: 3 characters		S	O
OLD_HIA_EPARAM08	EmapBit parameter 08.	Length: 3 characters		S	O
OLD_HIA_BULLETIN_GROUP	Subscriber is included in a bulletin group and receives a message each time a bulletin is released.	Length: 2 digits, Range: 1 to 99		S	O

Table 21: A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_CAPTURE_EMPTY_MSG	Enables a short message containing the CLI and the time of the call, if a caller hangs up without leaving a message.	Length: 10 characters. Values: Yes 1, NO 2, UNKNOWN 4		S	O
OLD_HIA_NEW_USER_TUTORIAL	Enables the TRM to recognize whether a subscriber (new or modified) has heard a New User Tutorial (NUT). If the user has not heard a specific NUT, the TRM allows the subscriber to hear it.	Length: 11 characters. Values: YES, NO, UNKNOWN, PW_ONLY, OGM_ONLY, VS_ONLY, PW_OGM_ONLY, PW_VS_ONLY, OGM_VS_ONLY		S	O
OLD_HIA_ALT2_PHONE_NUM	Additional notification numbers.	Length: 20 characters		S	O
OLD_HIA_ALT3_PHONE_NUM	Additional notification numbers.	Length: 20 characters		S	O
OLD_HIA_ALT2_DIAL_TYPE	Additional notification numbers.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_ALT3_DIAL_TYPE	Additional notification numbers.	Length: 2 digits, Range: 1 to 60		S	O
OLD_HIA_TEXT_1	For internal use only.	Length: 25 characters		S	O
OLD_HIA_TEXT_2	For internal use only.	Length: 25 characters		S	O
OLD_HIA_TEXT_3	For internal use only.	Length: 25 characters		S	O
OLD_HIA_TEXT_4	For internal use only.	Length: 255 characters		S	O
OLD_HIA_AMTE_DEFAULT_EMAIL_ADDRESS	Predefines the subscriber's default email address.	Length: 32 chars. Values: NONE, 0, ALL, 1, URGENT, 2.		S	O

Table 21: A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_AMTE_MESSAGE_TYPE	Enables an option to select the message type (Urgent, Normal, or All).	Length: 32 characters. Values: NONE, 0, VOICE, 1, FAX, 2, BOTH, 3.		S	O
OLD_HIA_AMTE_MESSAGE_DATA_TYPE	Enables the transferring of both voice and fax message data types to an email address.	Length: 256 characters		S	O
OLD_HIA_AMTE_KEEP_DELETE	Enables the storing or deleting of messages after transfer to an email address.	Value: 0/keep/KEEP/1/delete/DELETE		S	O
OLD_HIA_VOISMS_MSG_LENGTH	Controls the VoiSMS maximum message length.	Format: String, Length: 7, Value: KEEP, DELETE		S	O
OLD_HIA_VOISMS_KEEP_DELETE	Controls keeping played VoiSMS messages.	Length: 1, Range: 0 to 3		S	O
OLD_HIA_VOISMS_NOTIF_TYPE	Defines what type of VoiSMS notification the sender of the message receives.	Length: 2 digits, Range: 0 to 99		S	O
OLD_HIA_FAX_RT_CLS	Defines which phone numbers are available/restricted to a subscriber.	Length: 1 digit, Range: 0 to 4		S	O
OLD_HIA_FIFO_LIFO	By defining the appropriate COS, messages can be played on a FIFO basis, or LIFO basis.	Length: 2 digits, Range: 0 to 99		S	O
OLD_HIA_RING_DURATION	The number of rings is provisioned when creating a new subscriber profile.	Length: 2 digits, Range: 0 to 99		S	O

Table 21: A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_IMAP_SERVER_NAME	MSU NG parameter. Defines the MIPS name.	Length: 40 characters		S	O
OLD_HIA_IMAP_LOGIN_NAME	Read only. MSU NG parameter. Defines the login to log in to the Email server.	Length: 30 characters		S	O
OLD_HIA_SMTP_USER	MSU NG parameter. Defines the username for the MIPS.	Length: 30 characters		S	O
OLD_HIA_SMTP_DOMAIN_NAME	MSU NG parameter. Defines the domain name for the MIPS.	Length: 30 characters		S	O
OLD_HIA_VOISMS_CLI	The VoiSMS service is accessed first by a data session and then by a voice session. This parameter enables access by data session to be forwarded directly to the voice session.	Format: Numeric		S	O
OLD_HIA_CHANGING_EMS	Determines whether the EMS (MIPS) is changed during SRL.	Values: Y, N, YES_WITHOUT_VIDEO		S	O
OLD_HIA_CVVM_AUTO_ENROLLMENT_ENABLED	Enables/disables OTA registration on the CVVM service from the handset.	Values: Y, N, Yes, No		S	O
OLD_HIA_CVVM_DIAL_IN_ENABLED	Enables/disables dial to in applications on the MSU.	Values: Y, N, Yes, No		S	O

Table 21: A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_CVVM_NOTIF_ENABLED	Enabled by the RG command, so that CVVM notification is activated for a specific subscriber.	Values: Y, N, Yes, No		S	O
OLD_HIA_CVVM_NOTIF_METHOD	Determines the method in which the CVVM notification message is sent.	Values: 0 = Unknown 1 = Simple (Symbian) 2 = Brew		S	O
OLD_HIA_WHO_CALLED_ENABLED	Enables the who called service.	Length: 3 characters		S	O
OLD_HIA_SERVICE_OPTIONS	VXML subscriber services (set to ON).	Length: 3 digits, Range: 0 to 255		S	O
OLD_HIA_EXT_SERVICES	Specifies an MSU internal parameter used by Emap.	Length: 2 digits, Range: 0 to 15		S	O
OLD_HIA_INOT_ENABLED	Enables/disables the Interactive Notification (IVMN) service.	Length: 8 characters		S	O
OLD_HIA_INOT_CLASS	Specifies the service class of an IVMN subscriber.	Length: 4 characters		S	O
OLD_HIA_LISTEN_OPTION	Specifies the format of the introduction header message.	Length: 1 character		S	O
OLD_HIA_PO_ALLOWED_DATE	Various setups for PO scheduling.	Length: 3 digits, Range: 1 to 999		S	O
OLD_HIA_SUBSET_NAME	The Fkeys use SQLR command to retrieve defaults and COS.	Values: Y, N, YES, NO, T, true, 1, F, false, 0, U, B		S	O
OLD_HIA_NL_ENTRY	The number of the notification list entry.			S	O

Table 21: A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_NL_MEDIA	Equivalent to the Implementation Mode field.	Format: String Length: 80 Illegal values: [space]		S	O
OLD_HIA_NL_DEST	Destination of the MWI.	Format: String Length: 8		S	O
OLD_HIA_NL_ON	Implementation mode is set to TRM or DIAL, these fields determine the dialing sequence necessary to activate and deactivate the subscriber's MWI.	Length: 4 chars. Values: NONE, 0, NLU, 1,VXL, 2		S	O
OLD_NL_OFF	Implementation mode is set to TRM or DIAL, these fields determine the dialing sequence necessary to activate and deactivate the subscriber's MWI.			S	O
OLD_NL_SMDI	If SMDI is selected as the implementation mode, this parameter determines the SMDI group to use.			S	O
OLD_DBOX_ID	This accepts value for Dialogue box ID.			S	O
OLD_DBOX_NAME	This accepts value for Dialogue box name.	Format: numeric Length: 16 Range: 100-9999999999999999		S	O
OLD_DBOX_TIMEOUT	This accepts value for Dialogue box time out.	Format: numeric Length: 3 Range: 1-999		S	O
OLD_DBOX_REPETITION	This accepts value for Dialogue box repetition.	String of length 30		S	O

Table 21: A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_DBOX_ENV	This accepts value for Dialogue box environment.	Format: numeric Length: 16 Range: 1-9999999999999999		S	O
OLD_DBOX_START _RECORD	This accepts value for Dialogue box start record.	Format: numeric Length: 16 Range: 1?9999999999999999		S	O
OLD_DBOX_TSR_EN V	This accepts value for Dialogue box TSR env.	Format: numeric Length: 3 Range: 1-255		S	O
OLD_DBOX_GREET _TYPE	This accepts value for Dialogue box greet type.	Format: String Length: 2		S	O
OLD_DBOX_GREET _NUMBER	This accepts value for Dialogue box greet number.	Format: String. Length: 10		S	O
OLD_DBOX_OPERA TION	This accepts value for Dialogue box operation.	Format: String Length: 8		S	O
OLD_MSI_ID_LIST	MSI ID list.	Format: numeric Length: 4 Range: 0-9999		S	O
OLD_TARGET_ MSU_ID_LIST	Target MSU ID list.	Format: numeric Length: 8 Range: 100-9999999999		S	O
OLD_TARGET_ TRM_ID_LIST	Target TRM ID list.	Format: numeric Length: 2 Range: 1-16		S	O
OLD_LAUNCHED_ APPLICATION_URL	The URL to which the user is connected (from the DBOX).	Format: String Length: 80 Values: A legal URL. Status: Optional		S	O
OLD_EXT_SERVICE_ RETURN_DBOX	The DBOX ID that the user will be connected to after VXML termination.	Format: String Length: 8 Values: A legal Dbox ID. Status: Optional		S	O

Table 21: A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HOST_TYPE	The kind of platform type: NONE, NLU, VXL.	Format: String Length: 1 Values: 0, 1, 2 Status: Optional		S	O
OLD_FAX_MAIL_EN ABLED	Indicated if the fax mail message type is open.	Format: String Length: 1 Values: Y, N, 1, 0 Status: Optional		S	O
OLD_HIA_EMAIL_E NABLED	Indicated if the email message type is open.	Format: String Length: 1 Values: Y, N, 1, 0 Status: Optional		S	O
OLD_HIA_MMAILE NABLED	MM mail enabled.			S	O
OLD_HIA_WAPPUSH ENABLED	Wap push enabled.			S	O
OLD_HIA_HANDSET TYPE	Handset type.			S	O
OLD_HIA_TUI_EXC LUDE_MESSAGE	Indicates which message types are disabled for TUI access. Multiple values can be entered.	Length: 256		S	O
OLD_HIA_ACTIVATE _VM_PA	This field indicates whether Voicemail PA is active, although the profile is defined in the TRM/MSU. (To be used by the TRM-AUX and SRL processes.)	Format: String Length: 1 Values: Y, N Status: Optional		S	O
OLD_HIA_CORPORA TE_ID	Old HIA corporate ID.	Format: String Length: 7 Values: KEEP, DELETE		S	O
OLD_HIA_REMOTE_ FILE	Remote file.	Format: numeric Length: 20 Range: 1-9999 9999999999999999		S	O

Table 21: A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_LOCAL_PATH	Local path.	Format: numeric Length: 3 Range: 1-999		S	O
OLD_HIA_ISSAC_VALID	According to value (1/2/3) applies/does not apply. Verification and divert for the subscriber's main phone through the ISSAC.	Format: String Length: 1 Values: Y, N		S	O
OLD_HIA_VOICE_MAIL_MWI_TYPE	Voicemail message waiting indication is enabled with an ON/OFF feature. New values for MWI_TYPE are defined via the message notification screen.	Format: String Length: 8 Values: ALL (1), NORMAL (2), URGENT (3)		S	O
OLD_HIA_ML_FROM	Mailing list retrieval from the TRM via the MSU. ML_FROM specifies from which address data is received.	Format:String Length: 10 Status: Optional		S	O
OLD_HIA_ML_AMOUNT	Sets the amount of data to be retrieved. Mailing list retrieval is in groups of 50 addresses starting from a specified point. After receiving 50 addresses, additional data may be received from the same ML in increments of 50.	Format: String Length: 10 Default: 50 Status: Optional		S	O
OLD_HIA_TRANSID2	Transid2. Not for regular provisioning use. This is an optional parameter.			S	O

Table 21: A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_MSU_ACCOUNT_ENABLED	Indicates whether the subscriber's MSU account is enabled.	Format: String		S	O
OLD_HIA_TRANSID 1	Transid1. Not for regular provisioning use. This is an optional parameter.			S	O
OLD_HIA_SERVICE_ BAR_ID	Service bar ID.	Format: Numeric Length: 3 digits Range: 0-256 Status: Optional		S	O
OLD_HIA_SERVICE_ BAR_NAME	Service bar name.	Format: String Length: 20 Status: Optional		S	O
OLD_HIA_GR_NUM	GR num.	Format: Numeric Length: 3 digits Range 0-256 Status: Optional		S	O
OLD_HIA_OUTDIAL _ DESTINATION	Outdial by HIA permits the system administrator to have TRILOGUE INfinity initiate an outcall to any subscriber or non-subscriber by invoking an HIA command. The outcall is handled as a standard subscriber delivery session.	Format: String Length: 10 Status: This field is currently unavailable.		S	O
OLD_HIA_OUTDIAL _DLV_TIME	Optional field, which defines the delivery time and date and specifies that the outdial is placed in the FUD table. If there is no date specified, the default delivery time is the current time.	Format: String Length: 10 Status: This field is currently unavailable.		S	O

Table 21: A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HIA_OUTDIAL _ DIALING_TYPE	Optional field which specifies the dial type for the outdial function.	Status: This field is currently unavailable.		S	O
OLD_HIA_DESTINA TION	Destination.			S	O
OLD_HIA_OUTDIAL _DBOX	Outdial Dbox.			S	O
OLD_HIA_MESSAGE _NUM	Message num.			S	O
OLD_HIA_PREV_CO S	Prev cos.			S	O
OLD_HIA_MSG_PAR AM	Msg param.			S	O
OLD_HIA_IMAP_PAS SWORD	Voicemail password. Defines the password to enter the Email server.	Format: String Length: 30 Status: Optional when F146 is set to Y		S	O
OLD_HIA_MSUNG_T YPE	MSU next generation enabled.	Format: String Length: 1 Values: Y, N; Must be set to Y to enable F141-F145.		S	O

MML Commands

This method is used to rollback the subscriber details to the original. This functionality does the same like Modify Subscriber.

MML Command:

<Command Code> <ID>[<comma><Optional Parameter1>=<value1><comma><Optional Parameter2>=<value2> ...]

Where

<Command Code> = M

<Optional Parameter> = List of optional parameters

Note: Instead of using parameter names to build the command, this cartridge will use its code, called Fkeys.

Output Parameters

Return as CSDL parameter:

A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER-RB_UDET=<user defined exit type>

RETURN AS INFO PARAMETER(S):

A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER-RB_RETURN_INFO=ID:
<SUB_ID> ERROR: <Error Code> Message string

A_COMVERSE-VMS_3-4-2_UNBLOCK_SUBSCRIBER

This service unblocks the Voice Mail service to the subscriber.

It is implemented by the Java method:
com.mslv.cartridge.oss.comverse_vms_3_4_2.prov.ComverseVMSProvisionSubscr.unBlockSubscriber

Table 22: A_COMVERSE-VMS_3-4-2_UNBLOCK_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	MCLI.			S	R
VM_ID	Unique ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R

MML Commands

```
This method is used to unblock Voice Mail subscriber.

MML Command:

<Command Code> <ID>

Where

<Command Code> = U

<ID> = Subscriber ID

Note: Instead of using parameter names to build the command, this cartridge
will use its code, called Fkeys.
```

Output Parameters

RETURN AS CSDL PARAMETER(S):

A_COMVERSE-VMS_3-4-2_UNBLOCK_SUBSCRIBER_UDET=<user defined exit type>

RETURN AS INFO PARAMETER(S):

A_COMVERSE-VMS_3-4-2_UNBLOCK_SUBSCRIBER_RETURN_INFO=ID: <SUB_ID> ERROR: <Error Code> Message string

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>
    <baseType>SOFT_FAIL</baseType>
    <description>The ASDL has encountered a soft failure. Processing will
        continue.</description>
</userDefinedExitType>
<userDefinedExitType>
```

---

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.

```
<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*.

User defined ASDL exit types

The following table lists the user defined ASDL exit types.

Table 23: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
((?s).)*ID:((?s).)*ERROR: 0 ((?s).)*	SUCESSFUL_COMPLETION	SUCCEED	SUCESSFUL COMPLETION

---

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

Table 23: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
((?s).)*ID:((?s).)*ERROR: 100101 ((?s).)*	IN_FLD_NAME_UNKNOWN	FAIL	Illegal field name
((?s).)*ID:((?s).)*ERROR: 100102 ((?s).)*	IN_FLD_NAME_TOO_LONG	FAIL	Field name Too Long
((?s).)*ID:((?s).)*ERROR: 100104 ((?s).)*	IN_EQUAL_SIGN_MIS	FAIL	Equal sign missing after field name
((?s).)*ID:((?s).)*ERROR: 100105 ((?s).)*	IN_QUOTATION_SIGN	FAIL	Field is not within quotation marks.
((?s).)*ID:((?s).)*ERROR: 100106 ((?s).)*	IN_DUBLICATE_FIEL	FAIL	Field is duplicated.
((?s).)*ID:((?s).)*ERROR: 100107 ((?s).)*	IN_ENTRY_ILLEGAL	FAIL	Entry of the parameter has an illegal value
((?s).)*ID:((?s).)*ERROR: 100108 ((?s).)*	IN_ENTRY_NOT_EXIST	FAIL	Field entries do not exist
((?s).)*ID:((?s).)*ERROR: 100103 ((?s).)*	IN_FLD_AMBIGUOUS	FAIL	Field name is ambiguous.
((?s).)*ID:((?s).)*ERROR: 100201 ((?s).)*	FLD_VAL_TOO_SHORT	FAIL	Field value too short
((?s).)*ID:((?s).)*ERROR: 100202 ((?s).)*	VAL_TOO_LONG	FAIL	Field Value Too Long
((?s).)*ID:((?s).)*ERROR: 100205 ((?s).)*	LEADING_ZEROS	FAIL	Field value must not start with 0
((?s).)*ID:((?s).)*ERROR: 100206 ((?s).)*	BAD_FLD_VAL	FAIL	Bad Field Value
((?s).)*ID:((?s).)*ERROR: 100207 ((?s).)*	VAL_NOT_IN_RANGE	FAIL	Field Value not in Range
((?s).)*ID:((?s).)*ERROR: 100208 ((?s).)*	FLD_VAL_NOT_NUMERIC	FAIL	Field value should be numeric.
((?s).)*ID:((?s).)*ERROR: 100209 ((?s).)*	FLD_VAL_UNKNOWN	FAIL	Field value unknown

Table 23: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
((?s).)*ID:((?s).)*ERROR: 100210 ((?s).)*	FLD_NOT_IN_RANGE	FAIL	Filed Value not in Range
((?s).)*ID:((?s).)*ERROR: 100211 ((?s).)*	FLD_VAL_HAS_ILLEGAL	FAIL	Illega Field Value
((?s).)*ID:((?s).)*ERROR: 100212 ((?s).)*	VAL_IS_NOT_ONE_SYMBL	FAIL	Field value is not one symbol.
((?s).)*ID:((?s).)*ERROR: 100213 ((?s).)*	INDBOX_ILLEGAL_ENTRY	FAIL	INDBox has illegal entry
((?s).)*ID:((?s).)*ERROR: 100214 ((?s).)*	INDBOX_ILLEGAL_DESTI	FAIL	Filed operation has illegal destination
((?s).)*ID:((?s).)*ERROR: 100215 ((?s).)*	INDBOX_IDEN_WITH_ID	FAIL	Password is identical with Id
((?s).)*ID:((?s).)*ERROR: 100216 ((?s).)*	INDBOX_PASS_CONSECT	FAIL	Password contains consecutive digits
((?s).)*ID:((?s).)*ERROR: 100217 ((?s).)*	DBOX_PASS_IDEN_DIGIT	FAIL	Password contains identical digits.
((?s).)*ID:((?s).)*ERROR: 100301 ((?s).)*	BAD_PREFX_IN_ABBR_FD	FAIL	Wrong prefix in abbreviated field value.
((?s).)*ID:((?s).)*ERROR: 100302 ((?s).)*	BAD_SUFIX_IN_ABBR_FD	FAIL	Abbreviated field suffix is too long.
((?s).)*ID:((?s).)*ERROR: 100303 ((?s).)*	BAD_ABBREV_FLD_VAL	FAIL	Bad abbreviated field value.
((?s).)*ID:((?s).)*ERROR: 100304 ((?s).)*	BAD_COND_IN_OPER	FAIL	Field has illegal condition
((?s).)*ID:((?s).)*ERROR: 100305 ((?s).)*	BAD_ACT_IN_OPER	FAIL	Field has illegal action in an operation.
((?s).)*ID:((?s).)*ERROR: 100306 ((?s).)*	INDBOX_DUBL_COND	FAIL	Dublicate condition in an operation.
((?s).)*ID:((?s).)*ERROR: 100307 ((?s).)*	ILLEGAL_FLD_VALUE	FAIL	Illegal Field value

Table 23: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
((?s).)*ID:((?s).)*ERRO R: 100308 ((?s).)*	ILLEGAL_FKEY	FAIL	Illegal Field for this type of MSU.
((?s).)*ID:((?s).)*ERRO R: 100309 ((?s).)*	INVALID_SERVER_NAME	FAIL	Invalid Server Name
((?s).)*ID:((?s).)*ERRO R: 100310 ((?s).)*	INVALID_LOGIN_NAME	FAIL	INVALID LOGIN NAME
((?s).)*ID:((?s).)*ERRO R: 100311 ((?s).)*	INVALID_USER_NAME	FAIL	Invalid User Name
((?s).)*ID:((?s).)*ERRO R: 100312 ((?s).)*	INVALID_DOMAIN_NAME	FAIL	INVALID DOMAIN NAME
((?s).)*ID:((?s).)*ERRO R: 100401 ((?s).)*	UNKNOWN_CMD	FAIL	Unknown command.
((?s).)*ID:((?s).)*ERRO R: 100402 ((?s).)*	IN_BAD_FLD_IN_CMN	FAIL	Bad Field in command
((?s).)*ID:((?s).)*ERRO R: 100403 ((?s).)*	IN_FLD_IS_REQUIRED	FAIL	IN_Field is missing.
((?s).)*ID:((?s).)*ERRO R: 100404 ((?s).)*	BAD_FLD_TO_MODIFY	FAIL	Field is illegal to modify
((?s).)*ID:((?s).)*ERRO R: 100405 ((?s).)*	IN_BAD_BREFIX_ID	FAIL	Prefix does not configure in site definition table.
((?s).)*ID:((?s).)*ERRO R: 100406 ((?s).)*	IN_AMTE_ENABLED	FAIL	Feature AMTE is disabled.
((?s).)*ID:((?s).)*ERRO R: 100407 ((?s).)*	FD_VAL_ILGAL_FOR_CMD	FAIL	Field value is illegal for the command
((?s).)*ID:((?s).)*ERRO R: 100408 ((?s).)*	RECORD_MISMATCH	FAIL	RECORD MISSMATCH
((?s).)*ID:((?s).)*ERRO R: 100409 ((?s).)*	COND_MISMATCH	FAIL	CONDITION_MISSMATCH
((?s).)*ID:((?s).)*ERRO R: 100410 ((?s).)*	ACT_COLL_MISMATCH	FAIL	COLLECT and COLLECT ECHO are allowed only when condition is U or FD.

Table 23: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
((?s).)*ID:((?s).)*ERRO R: 100411 ((?s).)*	ACT_TIME_MISMATCH	FAIL	Time/Date/TaD actions are not allowed with condition
((?s).)*ID:((?s).)*ERRO R: 100412 ((?s).)*	INBOX_ACT_DES_MISMAT	FAIL	Action requires destination
((?s).)*ID:((?s).)*ERRO R: 100413 ((?s).)*	DEST_EMPTY_FLD	FAIL	Action destination is empty
((?s).)*ID:((?s).)*ERRO R: 100414 ((?s).)*	DEST_ILLGL_MISMATCH	FAIL	Destination Length exceeds the maximum
((?s).)*ID:((?s).)*ERRO R: 100415 ((?s).)*	DES_ILLGL_MIN_LEN	FAIL	Destination Length is less than the minimum length
((?s).)*ID:((?s).)*ERRO R: 100416 ((?s).)*	IN_DBOX_ACT_DEST	FAIL	Action requires destination
((?s).)*ID:((?s).)*ERRO R: 100417 ((?s).)*	NG_ENABLED	FAIL	OPTION_MSUNG is disabled.
((?s).)*ID:((?s).)*ERRO R: 100418 ((?s).)*	UNIQ_CONS_VIOLATED	FAIL	A unique constraint is violated.
((?s).)*ID:((?s).)*ERRO R: 100419 ((?s).)*	ENTRY_INIT_NG_SUBSCR	FAIL	It is impossable to create/ modify/delete subscriber on MSUNG via HIA
((?s).)*ID:((?s).)*ERRO R: 100203 ((?s).)*	COS_NOT_FOUND	FAIL	Class Of Service not found.
((?s).)*ID:((?s).)*ERRO R: 100204 ((?s).)*	NOT_IN_DB	FAIL	Field does not exist in database.
((?s).)*ID:((?s).)*ERRO R: 100501 ((?s).)*	BAD_SUB_ID_IN_CMND	FAIL	This subscriber ID does not exist in Command
((?s).)*ID:((?s).)*ERRO R: 100502 ((?s).)*	ADM_NOT_AUTHORIZED	FAIL	ADM is not authorized to access this record.
((?s).)*ID:((?s).)*ERRO R: 100503 ((?s).)*	SUB_ID_NOT_IN_DB	FAIL	This subscriber ID does not exist in database.
((?s).)*ID:((?s).)*ERRO R: 100504 ((?s).)*	SUB_ID_NOT_IN_ADR	FAIL	This subscriber ID does not exist in ADR.

Table 23: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
((?s).)*ID:((?s).)*ERRO R: 100505 ((?s).)*	SUB_ID_EXISTS	FAIL	This subscriber ID already exists in database.
((?s).)*ID:((?s).)*ERRO R: 100506 ((?s).)*	FAX_ID_EXISTS	FAIL	This fax ID already exists in database.
((?s).)*ID:((?s).)*ERRO R: 100507 ((?s).)*	PHONE_ID_EXISTS	FAIL	This main phone ID already exists in database.
((?s).)*ID:((?s).)*ERRO R: 100508 ((?s).)*	SUB_ID_IN_USE	FAIL	This ID is already in use.
((?s).)*ID:((?s).)*ERRO R: 100509 ((?s).)*	FAX_ID_IN_USE	FAIL	This fax ID is already in use.
((?s).)*ID:((?s).)*ERRO R: 100510 ((?s).)*	FAX_IN_USE_BY_SUB	FAIL	This fax ID is already in use by subscriber.
((?s).)*ID:((?s).)*ERRO R: 100511 ((?s).)*	FAX_ID_IN_USE_BY_PHO	FAIL	This fax ID is already in use as main phone
((?s).)*ID:((?s).)*ERRO R: 100512 ((?s).)*	PHONE_ID_IN_USE	FAIL	This main phone is already in use.
((?s).)*ID:((?s).)*ERRO R: 100513 ((?s).)*	PHONE_ID_IN_USE_BY_F	FAIL	This main phone is already in use by fax ID.
((?s).)*ID:((?s).)*ERRO R: 100514 ((?s).)*	PHON_ID_IN_USE_BY_SU	FAIL	This main phone ID is already in use as Subscriber ID
((?s).)*ID:((?s).)*ERRO R: 100515 ((?s).)*	IN_MISS_MMU	FAIL	The MSU ID given is not defined in the system.
((?s).)*ID:((?s).)*ERRO R: 100516 ((?s).)*	PHONE_ID_NOT_IN_DB	FAIL	This main phone ID does not exist in database.
((?s).)*ID:((?s).)*ERRO R: 100517 ((?s).)*	NUM_NOT_IN_DB	FAIL	The cascading number does not exist in database
((?s).)*ID:((?s).)*ERRO R: 100518 ((?s).)*	DUPLICATE_ALT_NUM	FAIL	The alternate phone number is already used by subscriber
((?s).)*ID:((?s).)*ERRO R: 100519 ((?s).)*	IN_DBOX_ID_IN_USE	FAIL	This Dbox ID is already in use

Table 23: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
((?s).)*ID:((?s).)*ERROR: 100520 ((?s).)*	IN_DBOX_ID_NOT_IN_DB	FAIL	The Dbox ID does not exist in DB.
((?s).)*ID:((?s).)*ERROR: 100521 ((?s).)*	IN_SUB_ID_SELECT_ERR	FAIL	This subscriber ID does not exist
((?s).)*ID:((?s).)*ERROR: 100522 ((?s).)*	IN_SUB_OR_MAIN_ID_SE	FAIL	This subscriber ID or main phone ID does not exist in ADR, see HST_ID_SELECT system parameter.
((?s).)*ID:((?s).)*ERROR: 100601 ((?s).)*	IN_INT_PROBLEM	FAIL	Command aborted due to internal problem.
((?s).)*ID:((?s).)*ERROR: 100602 ((?s).)*	INT_PROBLEM_DB	FAIL	Command aborted due to internal problem in database.
((?s).)*ID:((?s).)*ERROR: 100603 ((?s).)*	INT_PROBLEM_DB_PRM	FAIL	Command aborted due to internal problem in database parameters
((?s).)*ID:((?s).)*ERROR: 100604 ((?s).)*	INT_PROBLEM_SYS_PRM	FAIL	Illegal configuration of system parameter.
((?s).)*ID:((?s).)*ERROR: 100605 ((?s).)*	INT_PROBLEM_ADD_HCQ	FAIL	Command aborted due to internal problem in add to queue
((?s).)*ID:((?s).)*ERROR: 100606 ((?s).)*	INT_PROBLEM_SEND	FAIL	Command aborted due to internal problem in sending.
((?s).)*ID:((?s).)*ERROR: 100607 ((?s).)*	INT_PROBLEM_RECEIVE	FAIL	Command aborted due to internal problem in receiving
((?s).)*ID:((?s).)*ERROR: 100608 ((?s).)*	INT_PROBLEM_MSU_DOWN	FAIL	MSU is not functioning.
((?s).)*ID:((?s).)*ERROR: 100609 ((?s).)*	INT_PROBLEM_ADR	FAIL	Command aborted due to internal problem in ADR.
((?s).)*ID:((?s).)*ERROR: 100610 ((?s).)*	INT_PROB_FROM_MSU	FAIL	MSU error
((?s).)*ID:((?s).)*ERROR: 100611 ((?s).)*	INT_PROB_NOT_IN_RANG	FAIL	ID is missing in range file

Table 23: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
((?s).)*ID:((?s).)*ERRO R: 100612 ((?s).)*	INT_PROB_NO_MSU_ACTI	FAIL	MSU select by load sharing failed. All MSU's are inactive
((?s).)*ID:((?s).)*ERRO R: 100613 ((?s).)*	INT_PROBLEM_DB_SUB	FAIL	Command aborted due to internal database problem in subscriber
((?s).)*ID:((?s).)*ERRO R: 100614 ((?s).)*	INT_PROBLEM_DB_COS	FAIL	Command aborted due to internal database
((?s).)*ID:((?s).)*ERRO R: 100615 ((?s).)*	PROBLEM_DB_DEF	FAIL	Command aborted due to internal database
((?s).)*ID:((?s).)*ERRO R: 100616 ((?s).)*	PROBLEM_ADD_SDQ	FAIL	Command aborted due to internal problem add to SDQ
((?s).)*ID:((?s).)*ERRO R: 100617 ((?s).)*	NL_CREATE_FAIL	FAIL	Command aborted due to notification list creation failiure
((?s).)*ID:((?s).)*ERRO R: 100618 ((?s).)*	PROBLEM_DISP_RESP	FAIL	Unable to display response to command.
((?s).)*ID:((?s).)*ERRO R: 100619 ((?s).)*	DBOX_INT_PROBLEM	FAIL	Dbox command aborted due to internal problem.
((?s).)*ID:((?s).)*ERRO R: 100620 ((?s).)*	IN_INACT_ MSU	FAIL	MSU inactive
((?s).)*ID:((?s).)*ERRO R: 100622 ((?s).)*	MSUS_INACTIVE	FAIL	MSUs inactive. command is not executed
((?s).)*ID:((?s).)*ERRO R: 100623 ((?s).)*	MSU_IS_MISSING	FAIL	MSU ID is not defined in the system.
((?s).)*ID:((?s).)*ERRO R: 100624 ((?s).)*	MSUS_ARE_MISSING	FAIL	MSUs are not defined in the system.
((?s).)*ID:((?s).)*ERRO R: 100625 ((?s).)*	SP_READ_PROBLEM	FAIL	Fail to read system parameter.
((?s).)*ID:((?s).)*ERRO R: 100626 ((?s).)*	MSU_NOT_RESP	FAIL	MSUs do not respond. command ignored.
((?s).)*ID:((?s).)*ERRO R: 100627 ((?s).)*	PBLM_MSU_STATS_UPDA	FAIL	Problem updating Dbox MSU status

Table 23: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
((?s).)*ID:((?s).)*ERROR: 100628 ((?s).)*	MSU_ADR_PROBLEM	FAIL	ADR problem for MSU
((?s).)*ID:((?s).)*ERROR: 100629 ((?s).)*	INT_PROBLEM_DB_NG_SU	FAIL	Command aborted due to internal dbproblem in msung subscribers
((?s).)*ID:((?s).)*ERROR: 100690 ((?s).)*	FAX_ID_NOT_IN_USE	FAIL	Major fax ID is not defined for this subscriber.
((?s).)*ID:((?s).)*ERROR: 100691 ((?s).)*	IN_ACC_ID_IN_USE	FAIL	Access IDs are already in use.
((?s).)*ID:((?s).)*ERROR: 100692 ((?s).)*	IN_ACC_MAJOR_FAX	FAIL	Major fax cannot be deleted.
((?s).)*ID:((?s).)*ERROR: 100693 ((?s).)*	IN_ACC_EXCEEDS_MAX	FAIL	Number of Access IDs exceeds maximum
((?s).)*ID:((?s).)*ERROR: 100694 ((?s).)*	IN_ACID_PROBLEM	FAIL	Subscriber not found in the ACID table
((?s).)*ID:((?s).)*ERROR: 100695 ((?s).)*	IN_HASH_FULL	FAIL	Hash table is full.
((?s).)*ID:((?s).)*ERROR: 100701 ((?s).)*	MSU_DB_CREATE_ONLY	FAIL	This subscriber was created in MSU database only
((?s).)*ID:((?s).)*ERROR: 100702 ((?s).)*	LIST_FAIL_NO_CREATE	FAIL	Notification List creation failure. subscriber was not created
((?s).)*ID:((?s).)*ERROR: 100703 ((?s).)*	NOTI_LST_FAIL_WIT_UP	FAIL	Subscriber was updated but Notification List modification failed
((?s).)*ID:((?s).)*ERROR: 100801 ((?s).)*	ML_ID_NOT_FOUND	FAIL	Mailing List owner not found.
((?s).)*ID:((?s).)*ERROR: 100802 ((?s).)*	ML_NOT_EXIST	FAIL	Mailing List not found.
((?s).)*ID:((?s).)*ERROR: 100803 ((?s).)*	ML_ALREADY_EXIST	FAIL	Mailing List already exists.

Table 23: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
((?s).)*ID:((?s).)*ERRO R: 100804 ((?s).)*	ML_IS_IN_USE	FAIL	Mailing List is in use now.
((?s).)*ID:((?s).)*ERRO R: 100805 ((?s).)*	BAD_DATA_STRUCT	FAIL	Bad data structure of Mailing List.
((?s).)*ID:((?s).)*ERRO R: 100806 ((?s).)*	ML_MLP_ENDED	FAIL	No more space for Mailing List in MSU.
((?s).)*ID:((?s).)*ERRO R: 100807 ((?s).)*	ML_TOO_LONG	FAIL	The Mailing List is too long to be retrieved.
((?s).)*ID:((?s).)*ERRO R: 100808 ((?s).)*	ML_ITEM_NOT_FOUND	FAIL	Mailing List item not found.
((?s).)*ID:((?s).)*ERRO R: 100809 ((?s).)*	ML_FAIL_MSU_INACT	FAIL	Command aborted due to MSU being inactive.
((?s).)*ID:((?s).)*ERRO R: 100810 ((?s).)*	ML_UNKNOWN_ERR	FAIL	Unknown error during Mailing List command.
((?s).)*ID:((?s).)*ERRO R: 100811 ((?s).)*	TOO_MANY_ITEMS	FAIL	ML_Item command cannot contain more than 20 records
((?s).)*ID:((?s).)*ERRO R: 100812 ((?s).)*	ML_MLN_MAXREACHED	FAIL	Cannot create more than %s mailing lists.
((?s).)*ID:((?s).)*ERRO R: 100813 ((?s).)*	MAX_ITEMS_REACHED	FAIL	Too many items in the mailing list.
((?s).)*ID:((?s).)*ERRO R: 100814 ((?s).)*	ML_IS_EMPTY	FAIL	ML is empty.
((?s).)*ID:((?s).)*ERRO R: 100815 ((?s).)*	ML_OUT_OF_RANGE	FAIL	ML is out of range.
((?s).)*ID:((?s).)*ERRO R: 100816 ((?s).)*	ML_END_OF_LIST	FAIL	ML end of list.
((?s).)*ID:((?s).)*ERRO R: 100817 ((?s).)*	ERR_NO_ML_EXIST	FAIL	ML does not exist.
((?s).)*ID:((?s).)*ERRO R: 100818 ((?s).)*	CLOSE_NESTED_ML	FAIL	Nested ML is closed.

Table 23: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
((?s).)*ID:((?s).)*ERROR: 100819 ((?s).)*	NESTED_ML_LOOP	FAIL	Internal loop by ML Item.
((?s).)*ID:((?s).)*ERROR: 100820 ((?s).)*	NEST_ML_CLOS_IN_MSU	FAIL	Nested ML closed in MSU.
((?s).)*ID:((?s).)*ERROR: 101116 ((?s).)*	MSU_IS_FUL	FAIL	Unable to add a new DBox MSUs are full
((?s).)*ID:((?s).)*ERROR: 101117 ((?s).)*	OPN_DBOX_USR_LOG_FIL	FAIL	Dbox Admin user log file cannot be opened.
((?s).)*ID:((?s).)*ERROR: 100901 ((?s).)*	SRL_FAIL_MSU_INACT	FAIL	MSU command timeout.
((?s).)*ID:((?s).)*ERROR: 100902 ((?s).)*	SRL_CM_ERROR	FAIL	MSU Empty mailbox.
((?s).)*ID:((?s).)*ERROR: 100903 ((?s).)*	SRL_CM_NOT_ENABLED	FAIL	MSU feature is disabled.
((?s).)*ID:((?s).)*ERROR: 100904 ((?s).)*	SRL_CM_NO_PRIVATE	FAIL	MSU user already logged in
((?s).)*ID:((?s).)*ERROR: 100905 ((?s).)*	SRL_PROT_ERR	FAIL	Protocol error
((?s).)*ID:((?s).)*ERROR: 100906 ((?s).)*	SRL_NO_TARGET_MBOX	FAIL	SRL_TARGET_MBOX not specified.
((?s).)*ID:((?s).)*ERROR: 100907 ((?s).)*	SRL_NO_RESP_TIME	FAIL	SRL_MMU_RESPONSE_TIME not specified
((?s).)*ID:((?s).)*ERROR: 100908 ((?s).)*	SRL_NO_NEW_ID	FAIL	NEW_EXT_SUB_ID not specified.
((?s).)*ID:((?s).)*ERROR: 100909 ((?s).)*	SRL_NO_NEW_PHONE	FAIL	NEW_EXT_MAIN_PHONE_NUM not specified
((?s).)*ID:((?s).)*ERROR: 100910 ((?s).)*	SRL_NO_NEW_FAX	FAIL	NEW_EXT_FAX_ID not specified.
((?s).)*ID:((?s).)*ERROR: 101006 ((?s).)*	IN_SRL_SAME_MBOX	FAIL	Cant copy to same mailbox.

Table 23: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
((?s).)*ID:((?s).)*ERROR: 101007 ((?s).)*	IN_SRL_DUP_SUB_IN_UM	FAIL	The subscriber already exists in UM DB tables
((?s).)*ID:((?s).)*ERROR: 101009 ((?s).)*	IN_SRL_DUP_SUB_IN_10	FAIL	The subscriber already exists in 10IDS DB Tables
((?s).)*ID:((?s).)*ERROR: 101100 ((?s).)*	INT_PROB_MSU_IS_FULL	FAIL	Unable to add new subscribers. MSU is full.
((?s).)*ID:((?s).)*ERROR: 101008 ((?s).)*	SRL_DUP_SUB_IN_G10	FAIL	The subscriber already exists in G10 DB Tables
((?s).)*ID:((?s).)*ERROR: 1 ((?s).)*	INVALID_ID	FAIL	Invalid ID
((?s).)*ID:((?s).)*ERROR: 2 ((?s).)*	SUB_ID_NOT_SUPPLIED	FAIL	No Subscriber ID Was Supplied
((?s).)*ID:((?s).)*ERROR: 3 ((?s).)*	SUB_ID_IN_USE	FAIL	The Subscriber ID is Already in Use
((?s).)*ID:((?s).)*ERROR: 4 ((?s).)*	SUBID_BEGIN_WITH_ZER	FAIL	A Subscriber ID Cannot Begin with 0
((?s).)*ID:((?s).)*ERROR: 5 ((?s).)*	SUBID_CANNOT_B_BLANK	FAIL	A Subscriber ID Cannot Be Blank
((?s).)*ID:((?s).)*ERROR: 6 ((?s).)*	NO_SUCH_SUBID	FAIL	No Such Subscriber ID in MSU
((?s).)*ID:((?s).)*ERROR: 7 ((?s).)*	SUBID_IS_LOCKED	FAIL	The Subscriber Record is Currently Locked in the MSU
((?s).)*ID:((?s).)*ERROR: 8 ((?s).)*	SUB_ID_MODIFIED	FAIL	Subscriber Record Was Modified by MSUs User and Was Not Acknowledged by the
TRM			
((?s).)*ID:((?s).)*ERROR: 9 ((?s).)*	RESERVED_SUBSCRIBER	FAIL	Reserved Subscriber
((?s).)*ID:((?s).)*ERROR: 10 ((?s).)*	NO_ROOM_FOR_NEW_SUB	FAIL	No Room for New Subscriber in this MSU

Table 23: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
((?s).)*ID:((?s).)*ERROR: 256 ((?s).)*	FID_MUSTBE_UNIQ	FAIL	The Fax ID is Already in Use: a FID number must be unique
((?s).)*ID:((?s).)*ERROR: 257 ((?s).)*	FAXID_IN_USE	FAIL	The Fax ID is Already in Use as a Fax ID
((?s).)*ID:((?s).)*ERROR: 258 ((?s).)*	FAXID_AS_DIAGID	FAIL	The Fax ID is already in Use as a Dialogue Box ID
((?s).)*ID:((?s).)*ERROR: 259 ((?s).)*	FAXID_AS_ADM_ID	FAIL	The Fax ID is already in use as the System Administration ID
((?s).)*ID:((?s).)*ERROR: 260 ((?s).)*	FAXID_BEGINWITH_0	FAIL	The Fax ID May Not Begin with 0
((?s).)*ID:((?s).)*ERROR: 261 ((?s).)*	FAXID_AS_PHONENO	FAIL	Fax ID is in Use as ID (Fax, Dialogue Box, or User) or as Main Phone.
((?s).)*ID:((?s).)*ERROR: 272 ((?s).)*	SUBID_ATLEAST_3_DGTS	FAIL	A Subscriber ID Must be at Least 3 Digits
((?s).)*ID:((?s).)*ERROR: 273 ((?s).)*	PHON_NO_NOT_SUPPLIED	FAIL	Phone Number Must be Supplied
((?s).)*ID:((?s).)*ERROR: 274 ((?s).)*	PHON_LEN_INCORRECT	FAIL	Phone Number Length is Incorrect
((?s).)*ID:((?s).)*ERROR: 275 ((?s).)*	PHON_BEGINWITH_0	FAIL	Phone Number Must Not Begin with a 0
((?s).)*ID:((?s).)*ERROR: 276 ((?s).)*	PHONE_NO_INUSE	FAIL	Phone Number is Already in Use as an ID
((?s).)*ID:((?s).)*ERROR: 277 ((?s).)*	PHONE_NO_EXISTS	FAIL	Phone Number already Exists
((?s).)*ID:((?s).)*ERROR: 278 ((?s).)*	PHON_INUSE_AS_ID	FAIL	Main Phone in Use as ID (Fax, Dialogue Box, or User) or as a Main Phone
((?s).)*ID:((?s).)*ERROR: 321 ((?s).)*	CASCADING_LOOP	FAIL	Cascading Loop Defined with Keep Cascaded Messages

Table 23: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
((?s).)*ID:((?s).)*ERRO R: 322 ((?s).)*	DEST_EQUALS_SUBID	FAIL	Cascading Destination is Equal to Subscribers ID Main Phone
((?s).)*ID:((?s).)*ERRO R: 323 ((?s).)*	CASCA_DEST_NOT_SUBID	FAIL	Cascading Destination is Not a Subscribers IDMain Phone
((?s).)*ID:((?s).)*ERRO R: 324 ((?s).)*	DBOX_DEST_EQU_USRID	FAIL	Cascade to BOX destination is Equal to Users ID, Fax ID, or Main Phone
((?s).)*ID:((?s).)*ERRO R: 325 ((?s).)*	NON_NUMERIC_ID	FAIL	Non Numeric ID
((?s).)*ID:((?s).)*ERRO R: 326 ((?s).)*	ILLEG_CASCAD_DEST	FAIL	Illegal Cascading destination (Legal values are 0?9 or 1 of 5 Symbols)
((?s).)*ID:((?s).)*ERRO R: 336 ((?s).)*	TOPBOX_BEGIN_0	FAIL	Top Box Cannot Begin with 0
((?s).)*ID:((?s).)*ERRO R: 337 ((?s).)*	TOPBOX_LESSTHAN_3	FAIL	Top BoxMay Not be Less than 3 Digits
((?s).)*ID:((?s).)*ERRO R: 288 ((?s).)*	PHONE_LENG_INCORRECT	FAIL	Phone Number Length is Incorrect
((?s).)*ID:((?s).)*ERRO R: 289 ((?s).)*	ILLEGAL_ALT_PHONE	FAIL	Illegal Alternate Phone (Legal values are 0?9 or 1 of 5 Symbols)
((?s).)*ID:((?s).)*ERRO R: 290 ((?s).)*	ILLEGAL_ALT_PHONENO	FAIL	Illegal Alternate Phone (Legal values are 0?9 or 1 of 5 Symbols)
((?s).)*ID:((?s).)*ERRO R: 291 ((?s).)*	ALT_PHON_LES_THN_2DG	FAIL	Alternate Phone May Not Be Less than 2 Digits
((?s).)*ID:((?s).)*ERRO R: 304 ((?s).)*	ILLEGAL_TRNSFER_DEST	FAIL	Illegal Auto Transfer Destination (Legal Values are 0?9 or 1 of 5 Symbols)
((?s).)*ID:((?s).)*ERRO R: 305 ((?s).)*	ILLEGAL_TRANSFER_DES	FAIL	Illegal Auto Transfer Destination (Legal values are 0?9 or 1 of 5 Symbols)

Table 23: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
((?s).)*ID:((?s).)*ERROR: 306 ((?s).)*	DEST_NOTBEGINS_IN_0	FAIL	Transfer Destination Must Begin with 0
((?s).)*ID:((?s).)*ERROR: 320 ((?s).)*	DEST_LESSTHAN_2DIGTS	FAIL	Cascading Destination May Not be Less than 2 Digits
((?s).)*ID:((?s).)*ERROR: 338 ((?s).)*	TOPBOXID_EQS_SUBID	FAIL	Top Box ID Cannot Equal a Subscriber ID
((?s).)*ID:((?s).)*ERROR: 339 ((?s).)*	TPBOXID_EQUS_SUBID	FAIL	Top Box ID Cannot Equal a Subscriber
((?s).)*ID:((?s).)*ERROR: 340 ((?s).)*	TOPBOX_EQUS_PHONENO	FAIL	Top Box ID Cannot Equal a Subscriber Main Phone Number
((?s).)*ID:((?s).)*ERROR: 341 ((?s).)*	TOPBOX_CANNOT_EQS_PH	FAIL	Top Box ID Cannot Equal the System Administrator Phone Number
((?s).)*ID:((?s).)*ERROR: 352 ((?s).)*	INVALID_ROUTING_CLAS	FAIL	Invalid Routing Class
((?s).)*ID:((?s).)*ERROR: 368 ((?s).)*	LASTNAME_TOBE_SUPPLI	FAIL	User's Last Name Must be Supplied
((?s).)*ID:((?s).)*ERROR: 369 ((?s).)*	FIRSTNAME_TOBE_SUPPL	FAIL	User's First Name Must be Supplied
((?s).)*ID:((?s).)*ERROR: 384 ((?s).)*	BILLINGNO_ERROR	FAIL	Billing Number Error
((?s).)*ID:((?s).)*ERROR: 385 ((?s).)*	ROUTING_ERROR	FAIL	Routing Error
((?s).)*ID:((?s).)*ERROR: 512 ((?s).)*	INVALID_LASTNAME	FAIL	Invalid Last Name
((?s).)*ID:((?s).)*ERROR: 513 ((?s).)*	INVALID_FIRSTNAME	FAIL	Invalid First Name
((?s).)*ID:((?s).)*ERROR: 514 ((?s).)*	INVALID_INITIAL	FAIL	Invalid Initial
((?s).)*ID:((?s).)*ERROR: 515 ((?s).)*	INVALID_SUBID	FAIL	Invalid Subscriber ID

Table 23: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
((?s).)*ID:((?s).)*ERROR: 516 ((?s).)*	INVALID_FAXID	FAIL	Invalid Fax ID
((?s).)*ID:((?s).)*ERROR: 517 ((?s).)*	INVALID_PASSWORD	FAIL	Invalid Password
((?s).)*ID:((?s).)*ERROR: 518 ((?s).)*	INVALID_MAIN_PHONNO	FAIL	Invalid Main Phone Number
((?s).)*ID:((?s).)*ERROR: 519 ((?s).)*	INVALID_TELPHON_PRFX	FAIL	Invalid Telephone Prefix
((?s).)*ID:((?s).)*ERROR: 520 ((?s).)*	INVALID_TOPBOX	FAIL	Invalid Top Box ID
((?s).)*ID:((?s).)*ERROR: 521 ((?s).)*	INVALID_LANGUAGE	FAIL	Invalid Language ID
((?s).)*NO_UDET_MATCH((?s).)*	NO_UDET_MATCH	FAIL	User Defined Exit Type does not match with NE Response
((?s).)*PROV_CARTRIDGE_EXCEPTION((?s).)*	CMVS_PROV_CART_EXCEP	FAIL	Provisioning Cartridge Exception occured
((?s).)*IOException((?s).)*	CMVS_IO_EXCEP	FAIL	IOException occured
((?s).)*Exception((?s).)*	CMVS_GEN_JAVA_EXCEP	FAIL	General Java Exception occured
((?s).)*TelnetException((?s).)*	CMVS_TELNET_EXCEP	FAIL	Telnet Exception occured
((?s).)*Action completed successfully((?s).)*	SUCCESSFULCOMPLETION	SUCCEED	Successful completion

UserExitType.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>3-4-2</softwareLoad>
```

```
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 0 ((?s).)*</searchPattern>
        <userType>SUCESSFUL_COMPLETION</userType>
        <baseType>SUCCEED</baseType>
        <description>SUCESSFUL COMPLETION</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100101 ((?s).)*
        </searchPattern>
        <userType>IN_FLD_NAME_UNKNOWN</userType>
        <baseType>FAIL</baseType>
        <description>Illegal field name</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100102 ((?s).)*
        </searchPattern>
        <userType>IN_FLD_NAME_TOO_LONG</userType>
        <baseType>FAIL</baseType>
        <description>Field name Too Long</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100104 ((?s).)*
        </searchPattern>
        <userType>IN_EQUAL_SIGN_MIS</userType>
        <baseType>FAIL</baseType>
        <description>Equal sign missing after field name</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100105 ((?s).)*
        </searchPattern>
```

```
        <userType>IN_QUOTATION_SIGN</userType>
        <baseType>FAIL</baseType>
        <description>Field  is not within quotation marks.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>3-4-2</softwareLoad>
        <technology>VMS</technology>
        <neVendor>COMVERSE</neVendor>
    </neDescriptor>
    <searchPattern>((?s).)*ID:((?s).)*ERROR: 100106 ((?s).)*
    </searchPattern>
    <userType>IN_DUBLICATE_FIEL</userType>
    <baseType>FAIL</baseType>
    <description>Field is duplicated.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>3-4-2</softwareLoad>
        <technology>VMS</technology>
        <neVendor>COMVERSE</neVendor>
    </neDescriptor>
    <searchPattern>((?s).)*ID:((?s).)*ERROR: 100107 ((?s).)*
    </searchPattern>
    <userType>IN_ENTRY_ILLEGAL</userType>
    <baseType>FAIL</baseType>
    <description> Entry of the parameter has an illegal value
    </description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>3-4-2</softwareLoad>
        <technology>VMS</technology>
        <neVendor>COMVERSE</neVendor>
    </neDescriptor>
    <searchPattern>((?s).)*ID:((?s).)*ERROR: 100108 ((?s).)*
    </searchPattern>
    <userType>IN_ENTRY_NOT_EXIST</userType>
    <baseType>FAIL</baseType>
    <description> Field entries do not exist</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>3-4-2</softwareLoad>
        <technology>VMS</technology>
        <neVendor>COMVERSE</neVendor>
    </neDescriptor>
    <searchPattern>((?s).)*ID:((?s).)*ERROR: 100103 ((?s).)*
    </searchPattern>
    <userType>IN_FLD_AMBIGUOUS</userType>
    <baseType>FAIL</baseType>
    <description>Field name is ambiguous.</description>
```

```
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100201 ((?s).)*
            </searchPattern>
            <userType>FLD_VAL_TOO_SHORT</userType>
            <baseType>FAIL</baseType>
            <description>Field value too short</description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100202 ((?s).)*
            </searchPattern>
            <userType>VAL_TOO_LONG</userType>
            <baseType>FAIL</baseType>
            <description>Field Value Too Long</description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100205 ((?s).)*
            </searchPattern>
            <userType>LEADING_ZEROS</userType>
            <baseType>FAIL</baseType>
            <description>Field value  must not start with 0</description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100206 ((?s).)*
            </searchPattern>
            <userType>BAD_FLD_VAL</userType>
            <baseType>FAIL</baseType>
            <description>Bad Field Value</description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
```

```
        <technology>VMS</technology>
        <neVendor>COMVERSE</neVendor>
    </neDescriptor>
    <searchPattern>((?s).)*ID:((?s).)*ERROR: 100207 ((?s).)*
    </searchPattern>
    <userType>VAL_NOT_IN_RANGE</userType>
    <baseType>FAIL</baseType>
    <description>Field Value not in Range</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>3-4-2</softwareLoad>
        <technology>VMS</technology>
        <neVendor>COMVERSE</neVendor>
    </neDescriptor>
    <searchPattern>((?s).)*ID:((?s).)*ERROR: 100208 ((?s).)*
    </searchPattern>
    <userType>FLD_VAL_NOT_NUMERIC</userType>
    <baseType>FAIL</baseType>
    <description>Field value should be numeric.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>3-4-2</softwareLoad>
        <technology>VMS</technology>
        <neVendor>COMVERSE</neVendor>
    </neDescriptor>
    <searchPattern>((?s).)*ID:((?s).)*ERROR: 100209 ((?s).)*
    </searchPattern>
    <userType>FLD_VAL_UNKNOWN</userType>
    <baseType>FAIL</baseType>
    <description>Field value unknown</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>3-4-2</softwareLoad>
        <technology>VMS</technology>
        <neVendor>COMVERSE</neVendor>
    </neDescriptor>
    <searchPattern>((?s).)*ID:((?s).)*ERROR: 100210 ((?s).)*
    </searchPattern>
    <userType>FLD_NOT_IN_RANGE</userType>
    <baseType>FAIL</baseType>
    <description>Filed Value not in Range</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>3-4-2</softwareLoad>
        <technology>VMS</technology>
        <neVendor>COMVERSE</neVendor>
    </neDescriptor>
```

```
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100211 ((?s).)*
            </searchPattern>
            <userType>FLD_VAL_HAS_ILLEGAL</userType>
            <baseType>FAIL</baseType>
            <description>Illega Field Value</description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100212 ((?s).)*
            </searchPattern>
            <userType>VAL_IS_NOT_ONE_SYMBL</userType>
            <baseType>FAIL</baseType>
            <description>Field value is not one symbol.</description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100213 ((?s).)*
            </searchPattern>
            <userType>INDBOX_ILLEGAL_ENTRY</userType>
            <baseType>FAIL</baseType>
            <description>INDBox has illegal entry</description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100214 ((?s).)*
            </searchPattern>
            <userType>INDBOX_ILLEGAL_DESTI</userType>
            <baseType>FAIL</baseType>
            <description>Filed operation has illegal destination</description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                    <neVendor>COMVERSE</neVendor>
                </neDescriptor>
                <searchPattern>((?s).)*ID:((?s).)*ERROR: 100215 ((?s).)*</
    searchPattern>
                <userType>INDBOX_IDEN_WITH_ID</userType>
                <baseType>FAIL</baseType>
```

```
            <description>Password is identical with Id</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100216 ((?s).)*</
searchPattern>
            <userType>INDBOX_PASS_CONSECT</userType>
            <baseType>FAIL</baseType>
            <description>Password contains consecutive digits</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100217 ((?s).)*</
searchPattern>
            <userType>DBOX_PASS_IDEN_DIGIT</userType>
            <baseType>FAIL</baseType>
            <description> Password contains identical digits.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100301 ((?s).)*</
searchPattern>
            <userType>BAD_PREFX_IN_ABBR_FD</userType>
            <baseType>FAIL</baseType>
            <description>Wrong prefix in abbreviated field value.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100302 ((?s).)*</
searchPattern>
            <userType>BAD_SUFIX_IN_ABBR_FD</userType>
            <baseType>FAIL</baseType>
            <description>Abbreviated field suffix is too long.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
```

```
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100303 ((?s).)*</
searchPattern>
            <userType>BAD_ABBREV_FLD_VAL</userType>
            <baseType>FAIL</baseType>
            <description>Bad abbreviated field value.</description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100304 ((?s).)*</
searchPattern>
            <userType>BAD_COND_IN_OPER</userType>
            <baseType>FAIL</baseType>
            <description> Field  has illegal condition</description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100305 ((?s).)*</
searchPattern>
            <userType>BAD_ACT_IN_OPER</userType>
            <baseType>FAIL</baseType>
           <description>Field has illegal action in an operation.</description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100306 ((?s).)*</
searchPattern>
            <userType>INDBOX_DUBL_COND</userType>
            <baseType>FAIL</baseType>
            <description>Dublicate condition in an operation.</description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
```

```
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100307 ((?s).)*</
searchPattern>
            <userType>ILLEGAL_FLD_VALUE</userType>
            <baseType>FAIL</baseType>
            <description>Illegal Field value</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100308 ((?s).)*</
searchPattern>
            <userType>ILLEGAL_FKEY</userType>
            <baseType>FAIL</baseType>
            <description>Illegal Field for this type of MSU.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100309 ((?s).)*</
searchPattern>
            <userType>INVALID_SERVER_NAME</userType>
            <baseType>FAIL</baseType>
            <description>Invalid Server Name</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100310 ((?s).)*</
searchPattern>
            <userType>INVALID_LOGIN_NAME</userType>
            <baseType>FAIL</baseType>
            <description>INVALID LOGIN NAME</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100311 ((?s).)*</
searchPattern>
            <userType>INVALID_USER_NAME</userType>
            <baseType>FAIL</baseType>
```

```
                   <description>Invalid User Name</description>
            </userDefinedExitType>
            <userDefinedExitType>
                   <neDescriptor>
                         <softwareLoad>3-4-2</softwareLoad>
                         <technology>VMS</technology>
                         <neVendor>COMVERSE</neVendor>
                   </neDescriptor>
                   <searchPattern>((?s).)*ID:((?s).)*ERROR: 100312 ((?s).)*</
            searchPattern>
                   <userType>INVALID_DOMAIN_NAME</userType>
                   <baseType>FAIL</baseType>
                   <description>INVALID DOMAIN NAME</description>
            </userDefinedExitType>
            <userDefinedExitType>
                   <neDescriptor>
                         <softwareLoad>3-4-2</softwareLoad>
                         <technology>VMS</technology>
                         <neVendor>COMVERSE</neVendor>
                   </neDescriptor>
                   <searchPattern>((?s).)*ID:((?s).)*ERROR: 100401 ((?s).)*</
            searchPattern>
                   <userType>UNKNOWN_CMD</userType>
                   <baseType>FAIL</baseType>
                   <description>Unknown command.</description>
            </userDefinedExitType>
            <userDefinedExitType>
                   <neDescriptor>
                         <softwareLoad>3-4-2</softwareLoad>
                         <technology>VMS</technology>
                         <neVendor>COMVERSE</neVendor>
                   </neDescriptor>
                   <searchPattern>((?s).)*ID:((?s).)*ERROR: 100402 ((?s).)*</
            searchPattern>
                   <userType>IN_BAD_FLD_IN_CMN</userType>
                   <baseType>FAIL</baseType>
                   <description>Bad Field in command</description>
            </userDefinedExitType>
            <userDefinedExitType>
                   <neDescriptor>
                         <softwareLoad>3-4-2</softwareLoad>
                         <technology>VMS</technology>
                         <neVendor>COMVERSE</neVendor>
                   </neDescriptor>
                   <searchPattern>((?s).)*ID:((?s).)*ERROR: 100403 ((?s).)*</
            searchPattern>
                   <userType>IN_FLD_IS_REQUIRED</userType>
                   <baseType>FAIL</baseType>
                   <description>IN_Field is missing.</description>
            </userDefinedExitType>
            <userDefinedExitType>
                   <neDescriptor>
```

```
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100404 ((?s).)*</
searchPattern>
            <userType>BAD_FLD_TO_MODIFY</userType>
            <baseType>FAIL</baseType>
            <description>Field is illegal to modify </description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100405 ((?s).)*</
searchPattern>
            <userType>IN_BAD_BREFIX_ID</userType>
            <baseType>FAIL</baseType>
            <description>Prefix does not configure in site definition table.</
description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100406 ((?s).)*</
searchPattern>
            <userType>IN_AMTE_ENABLED</userType>
            <baseType>FAIL</baseType>
            <description>Feature AMTE is disabled.</description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100407 ((?s).)*</
searchPattern>
            <userType>FD_VAL_ILGAL_FOR_CMD</userType>
            <baseType>FAIL</baseType>
            <description> Field value  is illegal for the command</description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
```

```
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100408 ((?s).)*</
searchPattern>
        <userType>RECORD_MISMATCH</userType>
        <baseType>FAIL</baseType>
        <description>RECORD MISSMATCH</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100409 ((?s).)*</
searchPattern>
        <userType>COND_MISMATCH</userType>
        <baseType>FAIL</baseType>
        <description>CONDITION_MISSMATCH</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100410 ((?s).)*</
searchPattern>
        <userType>ACT_COLL_MISMATCH</userType>
        <baseType>FAIL</baseType>
        <description>COLLECT and COLLECT ECHO are allowed only when
condition is U or FD.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100411 ((?s).)*</
searchPattern>
        <userType>ACT_TIME_MISMATCH</userType>
        <baseType>FAIL</baseType>
        <description>Time/Date/TaD actions are not allowed with condition</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
```

```
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100412 ((?s).)*</
searchPattern>
        <userType>INBOX_ACT_DES_MISMAT</userType>
        <baseType>FAIL</baseType>
        <description>Action requires destination</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100413 ((?s).)*</
searchPattern>
        <userType>DEST_EMPTY_FLD</userType>
        <baseType>FAIL</baseType>
        <description>Action destination is empty</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100414 ((?s).)*</
searchPattern>
        <userType>DEST_ILLGL_MISMATCH</userType>
        <baseType>FAIL</baseType>
        <description>Destination Length exceeds the maximum</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100415 ((?s).)*</
searchPattern>
        <userType>DES_ILLGL_MIN_LEN</userType>
        <baseType>FAIL</baseType>
        <description>Destination Length is less than the minimum length</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100416 ((?s).)*</
searchPattern>
        <userType>IN_DBOX_ACT_DEST</userType>
```

```
            <baseType>FAIL</baseType>
            <description>Action requires destination</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100417 ((?s).)*</
searchPattern>
            <userType>NG_ENABLED</userType>
            <baseType>FAIL</baseType>
            <description>OPTION_MSUNG is disabled.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100418 ((?s).)*</
searchPattern>
            <userType>UNIQ_CONS_VIOLATED</userType>
            <baseType>FAIL</baseType>
            <description>A unique constraint is violated.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100419 ((?s).)*</
searchPattern>
            <userType>ENTRY_INIT_NG_SUBSCR</userType>
            <baseType>FAIL</baseType>
          <description>It is impossable to create/modify/delete subscriber on
MSUNG via HIA</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100203 ((?s).)*</
searchPattern>
            <userType>COS_NOT_FOUND</userType>
            <baseType>FAIL</baseType>
            <description>Class Of Service not found.</description>
      </userDefinedExitType>
```

```
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100204 ((?s).)*</
searchPattern>
            <userType>NOT_IN_DB</userType>
            <baseType>FAIL</baseType>
            <description> Field does not exist in database.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100501 ((?s).)*</
searchPattern>
            <userType>BAD_SUB_ID_IN_CMND</userType>
            <baseType>FAIL</baseType>
            <description>This subscriber ID does not exist in Command</
description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100502 ((?s).)*</
searchPattern>
            <userType>ADM_NOT_AUTHORIZED</userType>
            <baseType>FAIL</baseType>
            <description>ADM is not authorized to access this record.</
description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100503 ((?s).)*</
searchPattern>
            <userType>SUB_ID_NOT_IN_DB</userType>
            <baseType>FAIL</baseType>
            <description>This subscriber ID does not exist in database.</
description>
      </userDefinedExitType>
      <userDefinedExitType>
```

```
            <neDescriptor>
                    <softwareLoad>3-4-2</softwareLoad>
                    <technology>VMS</technology>
                    <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100504 ((?s).)*</
searchPattern>
            <userType>SUB_ID_NOT_IN_ADR</userType>
            <baseType>FAIL</baseType>
           <description>This subscriber ID does not exist in ADR.</description>
     </userDefinedExitType>
     <userDefinedExitType>
            <neDescriptor>
                    <softwareLoad>3-4-2</softwareLoad>
                    <technology>VMS</technology>
                    <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100505 ((?s).)*</
searchPattern>
            <userType>SUB_ID_EXISTS</userType>
            <baseType>FAIL</baseType>
            <description>This subscriber ID already exists in database.</
description>
     </userDefinedExitType>
     <userDefinedExitType>
            <neDescriptor>
                    <softwareLoad>3-4-2</softwareLoad>
                    <technology>VMS</technology>
                    <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100506 ((?s).)*</
searchPattern>
            <userType>FAX_ID_EXISTS</userType>
            <baseType>FAIL</baseType>
            <description>This fax ID already exists in database.</description>
     </userDefinedExitType>
     <userDefinedExitType>
            <neDescriptor>
                    <softwareLoad>3-4-2</softwareLoad>
                    <technology>VMS</technology>
                    <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100507 ((?s).)*</
searchPattern>
            <userType>PHONE_ID_EXISTS</userType>
            <baseType>FAIL</baseType>
            <description>This main phone ID already exists in database.</
description>
     </userDefinedExitType>
     <userDefinedExitType>
            <neDescriptor>
                    <softwareLoad>3-4-2</softwareLoad>
```

```
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100508 ((?s).)*</
searchPattern>
            <userType>SUB_ID_IN_USE</userType>
            <baseType>FAIL</baseType>
            <description>This ID is already in use.</description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100509 ((?s).)*</
searchPattern>
            <userType>FAX_ID_IN_USE</userType>
            <baseType>FAIL</baseType>
            <description>This fax ID is already in use.</description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100510 ((?s).)*</
searchPattern>
            <userType>FAX_IN_USE_BY_SUB</userType>
            <baseType>FAIL</baseType>
            <description>This fax ID is already in use by subscriber.</
description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100511 ((?s).)*</
searchPattern>
            <userType>FAX_ID_IN_USE_BY_PHO</userType>
            <baseType>FAIL</baseType>
            <description>This fax ID is already in use as main phone</
description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
```

```
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100512 ((?s).)*</
searchPattern>
            <userType>PHONE_ID_IN_USE</userType>
            <baseType>FAIL</baseType>
            <description>This main phone is already in use.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100513 ((?s).)*</
searchPattern>
            <userType>PHONE_ID_IN_USE_BY_F</userType>
            <baseType>FAIL</baseType>
            <description>This main phone is already in use by fax ID.</
description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100514 ((?s).)*</
searchPattern>
            <userType>PHON_ID_IN_USE_BY_SU</userType>
            <baseType>FAIL</baseType>
           <description>This main phone ID is already in use as Subscriber ID</
description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100515 ((?s).)*</
searchPattern>
            <userType>IN_MISS_MMU</userType>
            <baseType>FAIL</baseType>
            <description>The MSU ID given is not defined in the system.</
description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
```

```
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100516 ((?s).)*</
searchPattern>
            <userType>PHONE_ID_NOT_IN_DB</userType>
            <baseType>FAIL</baseType>
            <description>This main phone ID does not exist in database.</
description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100517 ((?s).)*</
searchPattern>
            <userType>NUM_NOT_IN_DB</userType>
            <baseType>FAIL</baseType>
            <description>The cascading number does not exist in database</
description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100518 ((?s).)*</
searchPattern>
            <userType>DUPLICATE_ALT_NUM</userType>
            <baseType>FAIL</baseType>
            <description>The alternate phone number is already used by
subscriber</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100519 ((?s).)*</
searchPattern>
            <userType>IN_DBOX_ID_IN_USE</userType>
            <baseType>FAIL</baseType>
            <description>This Dbox ID is already in use</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
```

```
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100520 ((?s).)*</
searchPattern>
            <userType>IN_DBOX_ID_NOT_IN_DB</userType>
            <baseType>FAIL</baseType>
            <description>The Dbox ID does not exist in DB.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100521 ((?s).)*</
searchPattern>
            <userType>IN_SUB_ID_SELECT_ERR</userType>
            <baseType>FAIL</baseType>
            <description>This subscriber ID does not exist</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100522 ((?s).)*</
searchPattern>
            <userType>IN_SUB_OR_MAIN_ID_SE</userType>
            <baseType>FAIL</baseType>
            <description>This subscriber ID or main phone ID does not exist in
ADR, see HST_ID_SELECT system parameter.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100601 ((?s).)*</
searchPattern>
            <userType>IN_INT_PROBLEM</userType>
            <baseType>FAIL</baseType>
            <description>Command aborted due to internal problem.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100602 ((?s).)*</
searchPattern>
            <userType>INT_PROBLEM_DB</userType>
```

```
            <baseType>FAIL</baseType>
            <description>Command aborted due to internal problem in database.</
description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100603 ((?s).)*</
searchPattern>
            <userType>INT_PROBLEM_DB_PRM</userType>
            <baseType>FAIL</baseType>
            <description>Command aborted due to internal problem in database
parameters</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100604 ((?s).)*</
searchPattern>
            <userType>INT_PROBLEM_SYS_PRM</userType>
            <baseType>FAIL</baseType>
            <description>Illegal configuration of system parameter.</
description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100605 ((?s).)*</
searchPattern>
            <userType>INT_PROBLEM_ADD_HCQ</userType>
            <baseType>FAIL</baseType>
            <description>Command aborted due to internal problem in add to
queue</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100606 ((?s).)*</
searchPattern>
            <userType>INT_PROBLEM_SEND</userType>
```

```
            <baseType>FAIL</baseType>
            <description>Command aborted due to internal problem in sending.</
description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100607 ((?s).)*</
searchPattern>
            <userType>INT_PROBLEM_RECEIVE</userType>
            <baseType>FAIL</baseType>
            <description>Command aborted due to internal problem in receiving</
description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100608 ((?s).)*</
searchPattern>
            <userType>INT_PROBLEM_MSU_DOWN</userType>
            <baseType>FAIL</baseType>
            <description>MSU is not functioning.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100609 ((?s).)*</
searchPattern>
            <userType>INT_PROBLEM_ADR</userType>
            <baseType>FAIL</baseType>
            <description>Command aborted due to internal problem in ADR.</
description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100610 ((?s).)*</
searchPattern>
            <userType>INT_PROB_FROM_MSU</userType>
            <baseType>FAIL</baseType>
```

```
            <description>MSU error</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100611 ((?s).)*</
searchPattern>
            <userType>INT_PROB_NOT_IN_RANG</userType>
            <baseType>FAIL</baseType>
            <description>ID is missing in range file</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100612 ((?s).)*</
searchPattern>
            <userType>INT_PROB_NO_MSU_ACTI</userType>
            <baseType>FAIL</baseType>
            <description>MSU select by load sharing failed. All MSU's are
inactive</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100613 ((?s).)*</
searchPattern>
            <userType>INT_PROBLEM_DB_SUB</userType>
            <baseType>FAIL</baseType>
            <description>Command aborted due to internal database problem in
subscriber</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100614 ((?s).)*</
searchPattern>
            <userType>INT_PROBLEM_DB_COS</userType>
            <baseType>FAIL</baseType>
            <description>Command aborted due to internal database</description>
      </userDefinedExitType>
```

```
<userDefinedExitType>
        <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100615 ((?s).)*</
searchPattern>
        <userType>PROBLEM_DB_DEF</userType>
        <baseType>FAIL</baseType>
        <description>Command aborted due to internal database</description>
</userDefinedExitType>
<userDefinedExitType>
        <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100616 ((?s).)*</
searchPattern>
        <userType>PROBLEM_ADD_SDQ</userType>
        <baseType>FAIL</baseType>
        <description>Command aborted due to internal problem add to SDQ</
description>
</userDefinedExitType>
<userDefinedExitType>
        <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100617 ((?s).)*</
searchPattern>
        <userType>NL_CREATE_FAIL</userType>
        <baseType>FAIL</baseType>
        <description>Command aborted due to notification list creation
failure</description>
</userDefinedExitType>
<userDefinedExitType>
        <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100618 ((?s).)*</
searchPattern>
        <userType>PROBLEM_DISP_RESP</userType>
        <baseType>FAIL</baseType>
        <description>Unable to display response to command.</description>
</userDefinedExitType>
<userDefinedExitType>
        <neDescriptor>
```

```
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100619 ((?s).)*</
searchPattern>
            <userType>DBOX_INT_PROBLEM</userType>
            <baseType>FAIL</baseType>
            <description>Dbox command aborted due to internal problem.</
description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100620 ((?s).)*</
searchPattern>
            <userType>IN_INACT_ MSU</userType>
            <baseType>FAIL</baseType>
            <description>MSU inactive</description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100622 ((?s).)*</
searchPattern>
            <userType>MSUS_INACTIVE</userType>
            <baseType>FAIL</baseType>
            <description>MSUs  inactive. command is not executed</description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100623 ((?s).)*</
searchPattern>
            <userType>MSU_IS_MISSING</userType>
            <baseType>FAIL</baseType>
            <description>MSU ID is not defined in the system.</description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
```

```
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100624 ((?s).)*</
searchPattern>
            <userType>MSUS_ARE_MISSING</userType>
            <baseType>FAIL</baseType>
            <description>MSUs are not defined in the system.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100625 ((?s).)*</
searchPattern>
            <userType>SP_READ_PROBLEM</userType>
            <baseType>FAIL</baseType>
            <description>Fail to read system parameter.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100626 ((?s).)*</
searchPattern>
            <userType>MSU_NOT_RESP</userType>
            <baseType>FAIL</baseType>
            <description>MSUs do not respond. command ignored.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100627 ((?s).)*</
searchPattern>
            <userType>PBLM_MSU_STATS_UPDA</userType>
            <baseType>FAIL</baseType>
            <description>Problem updating Dbox MSU status</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100628 ((?s).)*</
searchPattern>
            <userType>MSU_ADR_PROBLEM</userType>
```

```
            <baseType>FAIL</baseType>
            <description>ADR problem for MSU</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100629 ((?s).)*</
searchPattern>
            <userType>INT_PROBLEM_DB_NG_SU</userType>
            <baseType>FAIL</baseType>
            <description>Command aborted due to internal dbproblem in msung
subscribers</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100690 ((?s).)*</
searchPattern>
            <userType>FAX_ID_NOT_IN_USE</userType>
            <baseType>FAIL</baseType>
            <description>Major fax ID is not defined for this subscriber.</
description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100691 ((?s).)*</
searchPattern>
            <userType>IN_ACC_ID_IN_USE</userType>
            <baseType>FAIL</baseType>
            <description>Access IDs are already in use.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100692 ((?s).)*</
searchPattern>
            <userType>IN_ACC_MAJOR_FAX</userType>
            <baseType>FAIL</baseType>
            <description>Major fax cannot be deleted.</description>
```

```
            </userDefinedExitType>
            <userDefinedExitType>
                  <neDescriptor>
                        <softwareLoad>3-4-2</softwareLoad>
                        <technology>VMS</technology>
                        <neVendor>COMVERSE</neVendor>
                  </neDescriptor>
                  <searchPattern>((?s).)*ID:((?s).)*ERROR: 100693 ((?s).)*</
searchPattern>
                  <userType>IN_ACC_EXCEEDS_MAX</userType>
                  <baseType>FAIL</baseType>
                  <description>Number of Access IDs exceeds maximum</description>
            </userDefinedExitType>
            <userDefinedExitType>
                  <neDescriptor>
                        <softwareLoad>3-4-2</softwareLoad>
                        <technology>VMS</technology>
                        <neVendor>COMVERSE</neVendor>
                  </neDescriptor>
                  <searchPattern>((?s).)*ID:((?s).)*ERROR: 100694 ((?s).)*</
searchPattern>
                  <userType>IN_ACID_PROBLEM</userType>
                  <baseType>FAIL</baseType>
                  <description>Subscriber not found in the ACID table</description>
            </userDefinedExitType>
            <userDefinedExitType>
                  <neDescriptor>
                        <softwareLoad>3-4-2</softwareLoad>
                        <technology>VMS</technology>
                        <neVendor>COMVERSE</neVendor>
                  </neDescriptor>
                  <searchPattern>((?s).)*ID:((?s).)*ERROR: 100695 ((?s).)*</
searchPattern>
                  <userType>IN_HASH_FULL</userType>
                  <baseType>FAIL</baseType>
                  <description>Hash table is full.</description>
            </userDefinedExitType>
            <userDefinedExitType>
                  <neDescriptor>
                        <softwareLoad>3-4-2</softwareLoad>
                        <technology>VMS</technology>
                        <neVendor>COMVERSE</neVendor>
                  </neDescriptor>
                  <searchPattern>((?s).)*ID:((?s).)*ERROR: 100701 ((?s).)*</
searchPattern>
                  <userType>MSU_DB_CREATE_ONLY</userType>
                  <baseType>FAIL</baseType>
                  <description>This subscriber was created in MSU database only</
description>
            </userDefinedExitType>
            <userDefinedExitType>
                  <neDescriptor>
```

```
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100702 ((?s).)*</
searchPattern>
        <userType>LIST_FAIL_NO_CREATE</userType>
        <baseType>FAIL</baseType>
       <description>Notification List creation failure. subscriber was not
created</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100703 ((?s).)*</
searchPattern>
        <userType>NOTI_LST_FAIL_WIT_UP</userType>
        <baseType>FAIL</baseType>
        <description>Subscriber was updated but Notification List
modification failed</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100801 ((?s).)*</
searchPattern>
        <userType>ML_ID_NOT_FOUND</userType>
        <baseType>FAIL</baseType>
        <description>Mailing List owner not found.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100802 ((?s).)*</
searchPattern>
        <userType>ML_NOT_EXIST</userType>
        <baseType>FAIL</baseType>
        <description>Mailing List not found.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
```

```
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100803 ((?s).)*</
searchPattern>
            <userType>ML_ALREADY_EXIST</userType>
            <baseType>FAIL</baseType>
            <description>Mailing List already exists.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100804 ((?s).)*</
searchPattern>
            <userType>ML_IS_IN_USE</userType>
            <baseType>FAIL</baseType>
            <description>Mailing List is in use now.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100805 ((?s).)*</
searchPattern>
            <userType>BAD_DATA_STRUCT</userType>
            <baseType>FAIL</baseType>
            <description>Bad data structure of Mailing List.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100806 ((?s).)*</
searchPattern>
            <userType>ML_MLP_ENDED</userType>
            <baseType>FAIL</baseType>
            <description>No more space for Mailing List in MSU.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100807 ((?s).)*</
searchPattern>
```

```
            <userType>ML_TOO_LONG</userType>
            <baseType>FAIL</baseType>
            <description>The Mailing List is too long to be retrieved.</
description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100808 ((?s).)*</
searchPattern>
            <userType>ML_ITEM_NOT_FOUND</userType>
            <baseType>FAIL</baseType>
            <description>Mailing List item not found.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100809 ((?s).)*</
searchPattern>
            <userType>ML_FAIL_MSU_INACT</userType>
            <baseType>FAIL</baseType>
            <description>Command aborted due to MSU being inactive.</
description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100810 ((?s).)*</
searchPattern>
            <userType>ML_UNKNOWN_ERR</userType>
            <baseType>FAIL</baseType>
            <description>Unknown error during Mailing List command.</
description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100811 ((?s).)*</
searchPattern>
            <userType>TOO_MANY_ITEMS</userType>
```

```
            <baseType>FAIL</baseType>
            <description>ML_Item command cannot contain more than 20 records</
description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100812 ((?s).)*</
searchPattern>
            <userType>ML_MLN_MAXREACHED</userType>
            <baseType>FAIL</baseType>
           <description>Cannot create more than %s mailing lists.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100813 ((?s).)*</
searchPattern>
            <userType>MAX_ITEMS_REACHED</userType>
            <baseType>FAIL</baseType>
            <description>Too many items in the mailing list.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100814 ((?s).)*</
searchPattern>
            <userType>ML_IS_EMPTY</userType>
            <baseType>FAIL</baseType>
            <description>ML is empty.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100815 ((?s).)*</
searchPattern>
            <userType>ML_OUT_OF_RANGE</userType>
            <baseType>FAIL</baseType>
            <description>ML is out of range.</description>
      </userDefinedExitType>
```

```
<userDefinedExitType>
      <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
      </neDescriptor>
      <searchPattern>((?s).)*ID:((?s).)*ERROR: 100816 ((?s).)*</
searchPattern>
      <userType>ML_END_OF_LIST</userType>
      <baseType>FAIL</baseType>
      <description>ML end of list.</description>
</userDefinedExitType>
<userDefinedExitType>
      <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
      </neDescriptor>
      <searchPattern>((?s).)*ID:((?s).)*ERROR: 100817 ((?s).)*</
searchPattern>
      <userType>ERR_NO_ML_EXIST</userType>
      <baseType>FAIL</baseType>
      <description>ML does not exist.</description>
</userDefinedExitType>
<userDefinedExitType>
      <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
      </neDescriptor>
      <searchPattern>((?s).)*ID:((?s).)*ERROR: 100818 ((?s).)*</
searchPattern>
      <userType>CLOSE_NESTED_ML</userType>
      <baseType>FAIL</baseType>
      <description>Nested ML is closed.</description>
</userDefinedExitType>
<userDefinedExitType>
      <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
      </neDescriptor>
      <searchPattern>((?s).)*ID:((?s).)*ERROR: 100819 ((?s).)*</
searchPattern>
      <userType>NESTED_ML_LOOP</userType>
      <baseType>FAIL</baseType>
      <description>Internal loop by ML Item.</description>
</userDefinedExitType>
<userDefinedExitType>
      <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
```

```
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100820 ((?s).)*</
searchPattern>
            <userType>NEST_ML_CLOS_IN_MSU</userType>
            <baseType>FAIL</baseType>
            <description>Nested ML closed in MSU.</description>
       </userDefinedExitType>
       <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 101116 ((?s).)*</
searchPattern>
            <userType>MSU_IS_FUL</userType>
            <baseType>FAIL</baseType>
            <description>Unable to add a new DBox MSUs % are full</description>
       </userDefinedExitType>
       <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 101117 ((?s).)*</
searchPattern>
            <userType>OPN_DBOX_USR_LOG_FIL</userType>
            <baseType>FAIL</baseType>
            <description>Dbox Admin user log file cannot be opened.</
description>
       </userDefinedExitType>
       <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100901 ((?s).)*</
searchPattern>
            <userType>SRL_FAIL_MSU_INACT</userType>
            <baseType>FAIL</baseType>
            <description>MSU command timeout.</description>
       </userDefinedExitType>
       <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
```

```
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100902 ((?s).)*</
searchPattern>
            <userType>SRL_CM_ERROR</userType>
            <baseType>FAIL</baseType>
            <description>MSU Empty mailbox.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100903 ((?s).)*</
searchPattern>
            <userType>SRL_CM_NOT_ENABLED</userType>
            <baseType>FAIL</baseType>
            <description>MSU feature is disabled.</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100904 ((?s).)*</
searchPattern>
            <userType>SRL_CM_NO_PRIVATE</userType>
            <baseType>FAIL</baseType>
            <description>MSU user already logged in</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100905 ((?s).)*</
searchPattern>
            <userType>SRL_PROT_ERR</userType>
            <baseType>FAIL</baseType>
            <description>Protocol error</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 100906 ((?s).)*</
searchPattern>
            <userType>SRL_NO_TARGET_MBOX</userType>
            <baseType>FAIL</baseType>
```

```
        <description>SRL_TARGET_MBOX not specified.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100907 ((?s).)*</
searchPattern>
        <userType>SRL_NO_RESP_TIME</userType>
        <baseType>FAIL</baseType>
        <description>SRL_MMU_RESPONSE_TIME not specified</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100908 ((?s).)*</
searchPattern>
        <userType>SRL_NO_NEW_ID</userType>
        <baseType>FAIL</baseType>
        <description>NEW_EXT_SUB_ID not specified.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100909 ((?s).)*</
searchPattern>
        <userType>SRL_NO_NEW_PHONE</userType>
        <baseType>FAIL</baseType>
        <description>NEW_EXT_MAIN_PHONE_NUM not specified</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 100910  ((?s).)*</
searchPattern>
        <userType>SRL_NO_NEW_FAX</userType>
        <baseType>FAIL</baseType>
        <description>NEW_EXT_FAX_ID not specified.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
```

```
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 101006  ((?s).)*</
searchPattern>
        <userType>IN_SRL_SAME_MBOX</userType>
        <baseType>FAIL</baseType>
        <description>Cant copy to same mailbox.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 101007  ((?s).)*</
searchPattern>
        <userType>IN_SRL_DUP_SUB_IN_UM</userType>
        <baseType>FAIL</baseType>
        <description>The subscriber already exists in UM DB tables</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 101009  ((?s).)*</
searchPattern>
        <userType>IN_SRL_DUP_SUB_IN_10</userType>
        <baseType>FAIL</baseType>
        <description>The subscriber already exists in 10IDS DB Tables</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 101100  ((?s).)*</
searchPattern>
        <userType>INT_PROB_MSU_IS_FULL</userType>
        <baseType>FAIL</baseType>
        <description>Unable to add new subscribers, %s balancing.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
```

```
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 101008  ((?s).)*</
searchPattern>
        <userType>SRL_DUP_SUB_IN_G10</userType>
        <baseType>FAIL</baseType>
        <description>The subscriber already exists in G10 DB Tables</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 1  ((?s).)*</searchPattern>
        <userType>INVALID_ID</userType>
        <baseType>FAIL</baseType>
        <description>Invalid ID</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 2  ((?s).)*</searchPattern>
        <userType>SUB_ID_NOT_SUPPLIED</userType>
        <baseType>FAIL</baseType>
        <description>No Subscriber ID Was Supplied</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 3  ((?s).)*</searchPattern>
        <userType>SUB_ID_IN_USE</userType>
        <baseType>FAIL</baseType>
        <description>The Subscriber ID is Already in Use:</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 4  ((?s).)*</searchPattern>
        <userType>SUBID_BEGIN_WITH_ZER</userType>
        <baseType>FAIL</baseType>
```

```
            <description>A Subscriber ID Cannot Begin with 0</description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 5  ((?s).)*</searchPattern>
            <userType>SUBID_CANNOT_B_BLANK</userType>
            <baseType>FAIL</baseType>
            <description>A Subscriber ID Cannot Be Blank:</description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 6  ((?s).)*</searchPattern>
            <userType>NO_SUCH_SUBID</userType>
            <baseType>FAIL</baseType>
            <description>No Such Subscriber ID in MSU:</description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 7  ((?s).)*</searchPattern>
            <userType>SUBID_IS_LOCKED</userType>
            <baseType>FAIL</baseType>
            <description>The Subscriber Record is Currently Locked in the MSU:</
description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 8  ((?s).)*</searchPattern>
            <userType>SUB_ID_MODIFIED</userType>
            <baseType>FAIL</baseType>
            <description>Subscriber Record Was Modified by MSU?s User and Was
Not Acknowledged by the&#13;
TRM:</description>
        </userDefinedExitType>
        <userDefinedExitType>
            <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
```

```
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
           </neDescriptor>
          <searchPattern>((?s).)*ID:((?s).)*ERROR: 9  ((?s).)*</searchPattern>
           <userType>RESERVED_SUBSCRIBER</userType>
           <baseType>FAIL</baseType>
           <description>Reserved Subscriber:</description>
      </userDefinedExitType>
      <userDefinedExitType>
           <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
           </neDescriptor>
           <searchPattern>((?s).)*ID:((?s).)*ERROR: 10  ((?s).)*</
searchPattern>
           <userType>NO_ROOM_FOR_NEW_SUB</userType>
           <baseType>FAIL</baseType>
           <description>No Room for New Subscriber in this MSU</description>
      </userDefinedExitType>
      <userDefinedExitType>
           <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
           </neDescriptor>
           <searchPattern>((?s).)*ID:((?s).)*ERROR: 256  ((?s).)*</
searchPattern>
           <userType>FID_MUSTBE_UNIQ</userType>
           <baseType>FAIL</baseType>
           <description>The Fax ID is Already in Use: a FID number must be
unique</description>
      </userDefinedExitType>
      <userDefinedExitType>
           <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
           </neDescriptor>
           <searchPattern>((?s).)*ID:((?s).)*ERROR: 257  ((?s).)*</
searchPattern>
           <userType>FAXID_IN_USE</userType>
           <baseType>FAIL</baseType>
           <description>The Fax ID is Already in Use as a Fax ID</description>
      </userDefinedExitType>
      <userDefinedExitType>
           <neDescriptor>
                <softwareLoad>3-4-2</softwareLoad>
                <technology>VMS</technology>
                <neVendor>COMVERSE</neVendor>
           </neDescriptor>
```

```
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 258  ((?s).)*</
searchPattern>
            <userType>FAXID_AS_DIAGID</userType>
            <baseType>FAIL</baseType>
            <description>The Fax ID is already in Use as a Dialogue Box ID</
description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 259  ((?s).)*</
searchPattern>
            <userType>FAXID_AS_ADM_ID</userType>
            <baseType>FAIL</baseType>
            <description>The Fax ID is already in use as the System
Administration ID</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 260  ((?s).)*</
searchPattern>
            <userType>FAXID_BEGINWITH_0</userType>
            <baseType>FAIL</baseType>
            <description>The Fax ID May Not Begin with 0:</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 261  ((?s).)*</
searchPattern>
            <userType>FAXID_AS_PHONENO</userType>
            <baseType>FAIL</baseType>
          <description>Fax ID is in Use as ID (Fax, Dialogue Box, or User) or
as Main Phone:</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
```

```
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 272  ((?s).)*</
searchPattern>
        <userType>SUBID_ATLEAST_3_DGTS</userType>
        <baseType>FAIL</baseType>
       <description>A Subscriber ID Must be at Least 3 Digits</description>
   </userDefinedExitType>
   <userDefinedExitType>
        <neDescriptor>
             <softwareLoad>3-4-2</softwareLoad>
             <technology>VMS</technology>
             <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 273  ((?s).)*</
searchPattern>
        <userType>PHON_NO_NOT_SUPPLIED</userType>
        <baseType>FAIL</baseType>
        <description>Phone Number Must be Supplied:</description>
   </userDefinedExitType>
   <userDefinedExitType>
        <neDescriptor>
             <softwareLoad>3-4-2</softwareLoad>
             <technology>VMS</technology>
             <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 274  ((?s).)*</
searchPattern>
        <userType>PHON_LEN_INCORRECT</userType>
        <baseType>FAIL</baseType>
        <description>Phone Number Length is Incorrect</description>
   </userDefinedExitType>
   <userDefinedExitType>
        <neDescriptor>
             <softwareLoad>3-4-2</softwareLoad>
             <technology>VMS</technology>
             <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 275  ((?s).)*</
searchPattern>
        <userType>PHON_BEGINWITH_0</userType>
        <baseType>FAIL</baseType>
        <description>Phone Number Must Not Begin with a 0</description>
   </userDefinedExitType>
   <userDefinedExitType>
        <neDescriptor>
             <softwareLoad>3-4-2</softwareLoad>
             <technology>VMS</technology>
             <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 276  ((?s).)*</
searchPattern>
        <userType>PHONE_NO_INUSE</userType>
        <baseType>FAIL</baseType>
```

```
            <description>Phone Number is Already in Use as an ID</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 277  ((?s).)*</
searchPattern>
            <userType>PHONE_NO_EXISTS</userType>
            <baseType>FAIL</baseType>
            <description>Phone Number already Exists</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 278  ((?s).)*</
searchPattern>
            <userType>PHON_INUSE_AS_ID</userType>
            <baseType>FAIL</baseType>
          <description>Main Phone in Use as ID (Fax, Dialogue Box, or User) or
as a Main Phone:</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 321  ((?s).)*</
searchPattern>
            <userType>CASCADING_LOOP</userType>
            <baseType>FAIL</baseType>
            <description>Cascading Loop Defined with Keep Cascaded Messages</
description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 322  ((?s).)*</
searchPattern>
            <userType>DEST_EQUALS_SUBID</userType>
            <baseType>FAIL</baseType>
            <description>Cascading Destination is Equal to Subscribers ID Main
Phone</description>
```

```
        </userDefinedExitType>
        <userDefinedExitType>
              <neDescriptor>
                    <softwareLoad>3-4-2</softwareLoad>
                    <technology>VMS</technology>
                    <neVendor>COMVERSE</neVendor>
              </neDescriptor>
              <searchPattern>((?s).)*ID:((?s).)*ERROR: 323  ((?s).)*</
searchPattern>
              <userType>CASCA_DEST_NOT_SUBID</userType>
              <baseType>FAIL</baseType>
              <description>Cascading Destination is Not a Subscribers IDMain
Phone:</description>
        </userDefinedExitType>
        <userDefinedExitType>
              <neDescriptor>
                    <softwareLoad>3-4-2</softwareLoad>
                    <technology>VMS</technology>
                    <neVendor>COMVERSE</neVendor>
              </neDescriptor>
              <searchPattern>((?s).)*ID:((?s).)*ERROR: 324  ((?s).)*</
searchPattern>
              <userType>DBOX_DEST_EQU_USRID</userType>
              <baseType>FAIL</baseType>
              <description>Cascade to BOX destination is Equal to Users ID, Fax
ID, or Main Phone:</description>
        </userDefinedExitType>
        <userDefinedExitType>
              <neDescriptor>
                    <softwareLoad>3-4-2</softwareLoad>
                    <technology>VMS</technology>
                    <neVendor>COMVERSE</neVendor>
              </neDescriptor>
              <searchPattern>((?s).)*ID:((?s).)*ERROR: 325  ((?s).)*</
searchPattern>
              <userType>NON_NUMERIC_ID</userType>
              <baseType>FAIL</baseType>
              <description>Non Numeric ID:</description>
        </userDefinedExitType>
        <userDefinedExitType>
              <neDescriptor>
                    <softwareLoad>3-4-2</softwareLoad>
                    <technology>VMS</technology>
                    <neVendor>COMVERSE</neVendor>
              </neDescriptor>
              <searchPattern>((?s).)*ID:((?s).)*ERROR: 326  ((?s).)*</
searchPattern>
              <userType>ILLEG_CASCAD_DEST</userType>
              <baseType>FAIL</baseType>
             <description>Illegal Cascading destination (Legal values are 0-9 or
1 of 5 Symbols):</description>
        </userDefinedExitType>
```

```
<userDefinedExitType>
      <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
      </neDescriptor>
      <searchPattern>((?s).)*ID:((?s).)*ERROR: 336  ((?s).)*</
searchPattern>
      <userType>TOPBOX_BEGIN_0</userType>
      <baseType>FAIL</baseType>
      <description>Top Box Cannot Begin with 0:</description>
</userDefinedExitType>
<userDefinedExitType>
      <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
      </neDescriptor>
      <searchPattern>((?s).)*ID:((?s).)*ERROR: 337  ((?s).)*</
searchPattern>
      <userType>TOPBOX_LESSTHAN_3</userType>
      <baseType>FAIL</baseType>
      <description>Top BoxMay Not be Less than 3 Digits:</description>
</userDefinedExitType>
<userDefinedExitType>
      <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
      </neDescriptor>
      <searchPattern>((?s).)*ID:((?s).)*ERROR: 288  ((?s).)*</
searchPattern>
      <userType>PHONE_LENG_INCORRECT</userType>
      <baseType>FAIL</baseType>
      <description>Phone Number Length is Incorrect:</description>
</userDefinedExitType>
<userDefinedExitType>
      <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
      </neDescriptor>
      <searchPattern>((?s).)*ID:((?s).)*ERROR: 289  ((?s).)*</
searchPattern>
      <userType>ILLEGAL_ALT_PHONE</userType>
      <baseType>FAIL</baseType>
      <description>Illegal Alternate Phone (Legal values are 0-9 or 1 of
5 Symbols):</description>
</userDefinedExitType>
<userDefinedExitType>
      <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
```

```
               <technology>VMS</technology>
               <neVendor>COMVERSE</neVendor>
          </neDescriptor>
          <searchPattern>((?s).)*ID:((?s).)*ERROR: 290  ((?s).)*</
searchPattern>
          <userType>ILLEGAL_ALT_PHONENO</userType>
          <baseType>FAIL</baseType>
          <description>Illegal Alternate Phone (Legal values are 0-9 or 1 of
5 Symbols):</description>
     </userDefinedExitType>
     <userDefinedExitType>
          <neDescriptor>
               <softwareLoad>3-4-2</softwareLoad>
               <technology>VMS</technology>
               <neVendor>COMVERSE</neVendor>
          </neDescriptor>
          <searchPattern>((?s).)*ID:((?s).)*ERROR: 291  ((?s).)*</
searchPattern>
          <userType>ALT_PHON_LES_THN_2DG</userType>
          <baseType>FAIL</baseType>
          <description>Alternate Phone May Not Be Less than 2 Digits:</
description>
     </userDefinedExitType>
     <userDefinedExitType>
          <neDescriptor>
               <softwareLoad>3-4-2</softwareLoad>
               <technology>VMS</technology>
               <neVendor>COMVERSE</neVendor>
          </neDescriptor>
          <searchPattern>((?s).)*ID:((?s).)*ERROR: 304  ((?s).)*</
searchPattern>
          <userType>ILLEGAL_TRNSFER_DEST</userType>
          <baseType>FAIL</baseType>
          <description>Illegal Auto Transfer Destination (Legal Values are 0-
9 or 1 of 5 Symbols):</description>
     </userDefinedExitType>
     <userDefinedExitType>
          <neDescriptor>
               <softwareLoad>3-4-2</softwareLoad>
               <technology>VMS</technology>
               <neVendor>COMVERSE</neVendor>
          </neDescriptor>
          <searchPattern>((?s).)*ID:((?s).)*ERROR: 305  ((?s).)*</
searchPattern>
          <userType>ILLEGAL_TRANSFER_DES</userType>
          <baseType>FAIL</baseType>
          <description>Illegal Auto Transfer Destination (Legal values are 0-
9 or 1 of 5 Symbols):</description>
     </userDefinedExitType>
     <userDefinedExitType>
          <neDescriptor>
               <softwareLoad>3-4-2</softwareLoad>
```

```
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 306  ((?s).)*</
searchPattern>
        <userType>DEST_NOTBEGINS_IN_0</userType>
        <baseType>FAIL</baseType>
        <description>Transfer Destination Must Begin with 0:</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 320  ((?s).)*</
searchPattern>
        <userType>DEST_LESSTHAN_2DIGTS</userType>
        <baseType>FAIL</baseType>
        <description>Cascading Destination May Not be Less than 2 Digits:</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 338  ((?s).)*</
searchPattern>
        <userType>TOPBOXID_EQS_SUBID</userType>
        <baseType>FAIL</baseType>
        <description>Top Box ID Cannot Equal a Subscriber ID:</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 339  ((?s).)*</
searchPattern>
        <userType>TPBOXID_EQUS_SUBID</userType>
        <baseType>FAIL</baseType>
        <description>Top Box ID Cannot Equal a Subscriber:</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
```

```
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 340  ((?s).)*</
searchPattern>
            <userType>TOPBOX_EQUS_PHONENO</userType>
            <baseType>FAIL</baseType>
            <description>Top Box ID Cannot Equal a Subscriber Main Phone
Number:</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 341  ((?s).)*</
searchPattern>
            <userType>TOPBOX_CANNOT_EQS_PH</userType>
            <baseType>FAIL</baseType>
           <description>Top Box ID Cannot Equal the System Administrator Phone
Number:</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 352  ((?s).)*</
searchPattern>
            <userType>INVALID_ROUTING_CLAS</userType>
            <baseType>FAIL</baseType>
            <description>Invalid Routing Class:</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 368  ((?s).)*</
searchPattern>
            <userType>LASTNAME_TOBE_SUPPLI</userType>
            <baseType>FAIL</baseType>
            <description>User?s Last Name Must be Supplied:</description>
      </userDefinedExitType>
      <userDefinedExitType>
            <neDescriptor>
                  <softwareLoad>3-4-2</softwareLoad>
                  <technology>VMS</technology>
                  <neVendor>COMVERSE</neVendor>
            </neDescriptor>
            <searchPattern>((?s).)*ID:((?s).)*ERROR: 369  ((?s).)*</
searchPattern>
```

```
                <userType>FIRSTNAME_TOBE_SUPPL</userType>
                <baseType>FAIL</baseType>
                <description>User?s First Name Must be Supplied:</description>
        </userDefinedExitType>
        <userDefinedExitType>
                <neDescriptor>
                        <softwareLoad>3-4-2</softwareLoad>
                        <technology>VMS</technology>
                        <neVendor>COMVERSE</neVendor>
                </neDescriptor>
                <searchPattern>((?s).)*ID:((?s).)*ERROR: 384  ((?s).)*</
searchPattern>
                <userType>BILLINGNO_ERROR</userType>
                <baseType>FAIL</baseType>
                <description>Billing Number Error:</description>
        </userDefinedExitType>
        <userDefinedExitType>
                <neDescriptor>
                        <softwareLoad>3-4-2</softwareLoad>
                        <technology>VMS</technology>
                        <neVendor>COMVERSE</neVendor>
                </neDescriptor>
                <searchPattern>((?s).)*ID:((?s).)*ERROR: 385  ((?s).)*</
searchPattern>
                <userType>ROUTING_ERROR</userType>
                <baseType>FAIL</baseType>
                <description>Routing Error:</description>
        </userDefinedExitType>
        <userDefinedExitType>
                <neDescriptor>
                        <softwareLoad>3-4-2</softwareLoad>
                        <technology>VMS</technology>
                        <neVendor>COMVERSE</neVendor>
                </neDescriptor>
                <searchPattern>((?s).)*ID:((?s).)*ERROR: 512  ((?s).)*</
searchPattern>
                <userType>INVALID_LASTNAME</userType>
                <baseType>FAIL</baseType>
                <description>Invalid Last Name:</description>
        </userDefinedExitType>
        <userDefinedExitType>
                <neDescriptor>
                        <softwareLoad>3-4-2</softwareLoad>
                        <technology>VMS</technology>
                        <neVendor>COMVERSE</neVendor>
                </neDescriptor>
                <searchPattern>((?s).)*ID:((?s).)*ERROR: 513  ((?s).)*</
searchPattern>
                <userType>INVALID_FIRSTNAME</userType>
                <baseType>FAIL</baseType>
                <description>Invalid First Name:</description>
        </userDefinedExitType>
```

```
        <userDefinedExitType>
               <neDescriptor>
                      <softwareLoad>3-4-2</softwareLoad>
                      <technology>VMS</technology>
                      <neVendor>COMVERSE</neVendor>
               </neDescriptor>
               <searchPattern>((?s).)*ID:((?s).)*ERROR: 514  ((?s).)*</
searchPattern>
               <userType>INVALID_INITIAL</userType>
               <baseType>FAIL</baseType>
               <description>Invalid Initial:</description>
        </userDefinedExitType>
        <userDefinedExitType>
               <neDescriptor>
                      <softwareLoad>3-4-2</softwareLoad>
                      <technology>VMS</technology>
                      <neVendor>COMVERSE</neVendor>
               </neDescriptor>
               <searchPattern>((?s).)*ID:((?s).)*ERROR: 515  ((?s).)*</
searchPattern>
               <userType>INVALID_SUBID</userType>
               <baseType>FAIL</baseType>
               <description>Invalid Subscriber ID:</description>
        </userDefinedExitType>
        <userDefinedExitType>
               <neDescriptor>
                      <softwareLoad>3-4-2</softwareLoad>
                      <technology>VMS</technology>
                      <neVendor>COMVERSE</neVendor>
               </neDescriptor>
               <searchPattern>((?s).)*ID:((?s).)*ERROR: 516  ((?s).)*</
searchPattern>
               <userType>INVALID_FAXID</userType>
               <baseType>FAIL</baseType>
               <description>Invalid Fax ID:</description>
        </userDefinedExitType>
        <userDefinedExitType>
               <neDescriptor>
                      <softwareLoad>3-4-2</softwareLoad>
                      <technology>VMS</technology>
                      <neVendor>COMVERSE</neVendor>
               </neDescriptor>
               <searchPattern>((?s).)*ID:((?s).)*ERROR: 517  ((?s).)*</
searchPattern>
               <userType>INVALID_PASSWORD</userType>
               <baseType>FAIL</baseType>
               <description>Invalid Password:</description>
        </userDefinedExitType>
        <userDefinedExitType>
               <neDescriptor>
                      <softwareLoad>3-4-2</softwareLoad>
                      <technology>VMS</technology>
```

```
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 518  ((?s).)*</
searchPattern>
        <userType>INVALID_MAIN_PHONNO</userType>
        <baseType>FAIL</baseType>
        <description>Invalid Main Phone Number:</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 519  ((?s).)*</
searchPattern>
        <userType>INVALID_TELPHON_PRFX</userType>
        <baseType>FAIL</baseType>
        <description>Invalid Telephone Prefix:</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 520  ((?s).)*</
searchPattern>
        <userType>INVALID_TOPBOX</userType>
        <baseType>FAIL</baseType>
        <description>Invalid Top Box ID:</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*ID:((?s).)*ERROR: 521  ((?s).)*</
searchPattern>
        <userType>INVALID_LANGUAGE</userType>
        <baseType>FAIL</baseType>
        <description>Invalid Language ID:</description>
    </userDefinedExitType>
userDefinedExitType>
        <neDescriptor>
            <softwareLoad>3-4-2</softwareLoad>
            <technology>VMS</technology>
            <neVendor>COMVERSE</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*Action completed successfully((?s).)*</
searchPattern>
```

```
            <userType>SUCCESSFULCOMPLETION</userType>
            <baseType>SUCCEED</baseType>
            <description>Successful completion</description>
        </userDefinedExitType>
</serviceModel>
```

4

Service Definition

The Comverse VMS 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 24: 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 24: ASDL parameter information

Item	Description
Type	Indicates one of the following parameter types: ◆ 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. For more information on parameter types, refer to the *ASAP Developer Reference*.
Class	Indicates one of the following parameter classifications: ◆ 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_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER
- ◆ C_COMVERSE-VMS_3-4-2_BLOCK_SUBSCRIBER
- ◆ C_COMVERSE-VMS_3-4-2_CHG_GENERIC-ID
- ◆ C_COMVERSE-VMS_3-4-2_DEL_SUBSCRIBER
- ◆ C_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER
- ◆ C_COMVERSE-VMS_3-4-2_QRY_SUBSCRIBER
- ◆ C_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER
- ◆ C_COMVERSE-VMS_3-4-2_UNBLOCK_SUBSCRIBER

C_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

This service adds a new subscriber.

Table 25: C_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_ACCESS_RIGHTS	Access rights assigned to the subscriber.	Length: 2 digits, Range: 1 to 99		S	O
HIA_ACCOUNT_NUM	Identifies a group of related subscribers.	Length: 8 characters		S	O
HIA_ACTIVATE_VM_PA	This field indicates whether Voicemail PA is active, although the profile is defined in the TRM/MSU. (To be used by the TRM-AUX and SRL processes.)	Format: String Length: 1 Values: Y, N Status: Optional		S	O
HIA_ADDITIONAL_ACCESS_NUMBERS	Number of access IDs to enable access to the same mailbox from fixed and mobile networks.	Length: 250 characters		S	O
HIA_ALT2_DIAL_TYPE	Additional notification numbers.	Length: 2 digits, Range: 1 to 60		S	O
HIA_ALT2_PHONE_NUM	Additional notification numbers.	Length: 20 characters		S	O
HIA_ALT3_DIAL_TYPE	Additional notification numbers.	Length: 2 digits, Range: 1 to 60		S	O

Table 25: C_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_ALT3_PHONE_NUM	Additional notification numbers.	Length: 20 characters		S	O
HIA_ALTERNATE_PHONE_DIAL_TYPE	Defines calling details for message notification.	Length: 2 digits, Range: 1 to 60		S	O
HIA_ALTERNATE_PHONE_NUM_OF_RETRIES	Number of notification attempts made to the recipient of a message.	Length: 2 digits, Range: 1 to 99		S	O
HIA_ALT_FORWARDING_BY	Defines forwarding to alternate phone number, if notification is sent to alternate phone number.	Length: 5 characters. Range: DIAL, TRM		S	O
HIA_ALT_PHONE_NUM	Alternate phone number chosen by the subscriber for notification purposes.	Length: 20 digits, Range: 1 to 99999999999999999999		S	O
HIA_AMTE_DEFAULT_EMAIL_ADDRESS	Predefines the subscriber's default email address.	Length: 32 chars. Values: NONE, 0, ALL, 1, URGENT, 2.		S	O
HIA_AMTE_KEEP_DELETE	Enables the storing or deleting of messages after transfer to an email address.	Value: 0/keep/KEEP/1/delete/DELETE		S	O
HIA_AMTE_MESSAGE_DATA_TYPE	Enables the transferring of both voice and fax message data types to an email address.	Length: 256 characters		S	O
HIA_AMTE_MESSAGE_TYPE	Enables an option to select the message type (Urgent, Normal, or All).	Length: 32 characters. Values: NONE, 0, VOICE, 1, FAX, 2, BOTH, 3.		S	O
HIA_ANNOUNCEMENT_MODE	Defines the existence of a guest announcement.	Length: 3 characters		S	O

Table 25: C_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_AUTO_TRANSFER_DEST	A fax telephone number containing up to 13 characters and preceded by zero.	Length: 14 characters		S	O
HIA_AUTO_TRANSFER_TYPE	Type of faxes that are automatically transferred.	Length: 20 characters, Values: UNCONFIDENTIAL, ALL, NONE		S	O
HIA_BILLING_NUM	Subscriber's calling card number.	Length: 18 digits		S	O
HIA_BULLETIN_GROUP	Subscriber is included in a bulletin group and receives a message each time a bulletin is released.	Length: 2 digits, Range: 1 to 99		S	O
HIA_CAPTURE_EMPTY_MSG	Enables a short message containing the CLI and the time of the call, if a caller hangs up without leaving a message.	Length: 10 characters. Values: Yes 1, NO 2, UNKNOWN 4		S	O
HIA_CASCADING_MSGS_KEEP	Defines whether a cascaded message is kept or deleted from the original mailbox.	Length: 7 characters		S	O
HIA_CASCADING_NUM	Cascading destination number.	Length: 14 characters		S	O
HIA_CASCADING_PAGER_TYPE	Defines how a pager is activated when cascading to a pager takes place.	Length: 2 digits, Range: 1 to 60		S	O
HIA_CASCADING_TO_TYPE	Specifies the destination for cascading.	Length: 7 characters, Values: BOX, PHONE		S	O

Table 25: C_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_CHANGING_EMS	Determines whether the EMS (MIPS) is changed during SRL.	Values: Y, N, YES_WITHOUT_VIDEO		S	O
HIA_COPY_TO_MAILBOX	Mailbox ID, which receives a duplicate of each message	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_CORPORATE_ID	HIA Corporate ID.	Format: String Length: 7 Values: KEEP, DELETE		S	O
HIA_COS_NUM	Subscriber's class of service.	Length: 3 digits		S	O
HIA_CR_DIALTYPE	Guest call return type.	Length: 2 digits, Range: 1 to 99		S	O
HIA_CR_RT_CLS	Call return routing class (filter) field.	Length: 3 digits, Range: 0 to 255		S	O
HIA_CVVM_AUTO_ENROLLMENT_ENABLED	Enables/disables OTA registration on the CVVM service from the handset.	Values: Y, N, Yes, No		S	O
HIA_CVVM_DIAL_IN_ENABLED	Enables/disables dial to in applications on the MSU.	Values: Y, N, Yes, No		S	O
HIA_CVVM_NOTIF_ENABLED	Enabled by the RG command, so that CVVM notification is activated for a specific subscriber.	Values: Y, N, Yes, No		S	O
HIA_CVVM_NOTIF_METHOD	Determines the method in which the CVVM notification message is sent.	Values: 0 = Unknown 1 = Simple (Symbian) 2 = Brew		S	O
HIA_DBOX_ENV	This accepts value for Dialogue box environment.	Format: numeric Length: 16 Range: 1-9999999999999999		S	O

Table 25: C_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_DBOX_GREET_NUMBER	This accepts value for Dialogue box greet number.	Format: String. Length: 10		S	O
HIA_DBOX_GREET_TYPE	This accepts value for Dialogue box greet type.	Format: String Length: 2		S	O
HIA_DBOX_ID	This accepts value for Dialogue box ID.			S	O
HIA_DBOX_NAME	This accepts value for Dialogue box name.	Format: numeric Length: 16 Range: 100-9999999999999999		S	O
HIA_DBOX_OPERATION	This accepts value for Dialogue box operation.	Format: String Length: 8		S	O
HIA_DBOX_REPETITION	This accepts value for Dialogue box repetition.	String of length 30 characters		S	O
HIA_DBOX_START_RECORD	This accepts value for Dialogue box start record.	Format: numeric Length: 16 Range: 1-9999999999999999		S	O
HIA_DBOX_TIMEOUT	This accepts value for Dialogue box time out.	Format: numeric Length: 3 Range: 1-999		S	O
HIA_DBOX_TSR_ENV	This accepts value for Dialogue box TSR env.	Format: numeric Length: 3 Range: 1-255		S	O
HIA_DELIVERY_TIME_FROM	Start of time period during which the auto transfer faxes are delivered.	Length: 7 units of time		S	O
HIA_DELIVERY_TIME_TO	End of the delivery period for automatic fax transfer.	Length: 7 units of time		S	O
HIA_DESTINATION	Destination.			S	O

Table 25: C_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_DIALING_PREFIX	A dialing prefix may be required before the subscriber's main phone number when that number is called.	Length: 4 digits, Range: 0 to 9999		S	O
HIA_DIALING_TYPE	Defines how out dial is performed for message notification.	Length: 2 digits, Range: 1 to 60		S	O
HIA_EMAIL_ENABLED	Indicated if the email message type is open.	Format: String Length: 1 Values: Y, N, 1, 0 Status: Optional		S	O
HIA_EMAP_STORAGE	This field is used as storage for the EMAP function.	Length: 25 characters		S	O
HIA_ENABLE_PAGING	Enables or disables the subscriber notification.	Length: 3 characters		S	O
HIA_ENABLE_WEEKEND_PAGING	The administrator can specify the time of the day in which the notification will be available.	Length: 3 characters		S	O
HIA_EPARAM01	TARGET_MSU EmapBit parameter 01.	Length: 3 characters		S	O
HIA_EPARAM02	TARGET_TRM EmapBit parameter 02.	Length: 3 characters		S	O
HIA_EPARAM03	EmapBit parameter 03.	Length: 3 characters		S	O
HIA_EPARAM04	EmapBit parameter 04.	Length: 3 characters		S	O
HIA_EPARAM05	EmapBit parameter 05.	Length: 3 characters		S	O
HIA_EPARAM06	EmapBit parameter 06.	Length: 3 characters		S	O
HIA_EPARAM07	EmapBit parameter 07.	Length: 3 characters		S	O
HIA_EPARAM08	EmapBit parameter 08.	Length: 3 characters		S	O

Table 25: C_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_EXT_FAX_ID	Reserved for future use.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_EXT_MAIN_PHONE_NUM	Reserved for future use.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_EXT_SERVICES	Specifies an MSU internal parameter used by emap.	Length: 2 digits, Range: 0 to 15		S	O
HIA_EXT_SERVICE_RETURN_DBOX	The DBOX ID that the user will be connected to after VXML termination.	Format: String Length: 8 Values: A legal Dbox ID. Status: Optional		S	O
HIA_EXT_SUB_ID	Reserved for future use.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_FAX_ID	Allows direct guest access to a subscriber's mailbox as if it were a fax machine.	Length: 16 digits, Range: 1 to 9999999999999999		S	O
HIA_FAX_MAIL_ENABLED	Indicated if the fax mail message type is open.	Format: String Length: 1 Values: Y, N, 1, 0 Status: Optional		S	O
HIA_FAX_RT_CLS	Defines which phone numbers are available/ restricted to a subscriber.	Length: 1 digit, Range: 0 to 4		S	O
HIA_FIFO_LIFO	By defining the appropriate COS, messages can be played on a FIFO basis, or LIFO basis.	Length: 2 digits, Range: 0 to 99		S	O

Table 25: C_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_FORWARDING_ PHONE	Selects the subscriber's main or alternate phone number as a forwarding destination.	Format: String, Length: 10, Values: Main, Alternate		S	O
HIA_FORWARDING_ TYPE	Type of messages to be forwarded to the specified destination.	Format: String Length: 6 Range: Urgent, All, None		S	O
HIA_GROUP_NAME	Defines a group of subscribers within a limited area.	Length: 5 digits, Range: 0 to 65,536		S	O
HIA_GR_NUM	GR num.	Format: Numeric Length: 3 digits Range 0-256 Status: Optional		S	O
HIA_GUEST_LANGU AGE	The subscriber can choose the language for a guest session.	Length: 2 digits, Range: 1 to 16		S	O
HIA_HANDSETTYPE	Handset type.			S	O
HIA_HOST_TYPE	The kind of platform type: NONE, NLU, VXL.	Format: String Length: 1 Values: 0, 1, 2 Status: Optional		S	O
HIA_IMAP_LOGIN_ NAME	Read only. MSU NG parameter. Defines the login to log in to the Email server.	Length: 30 characters		S	O
HIA_IMAP_PASSWO RD	Voicemail password. Defines the password to enter the Email server.	Format: String Length: 30 Status: Optional when F146 is set to Y		S	O
HIA_IMAP_SERVER_ NAME	MSU NG parameter. Defines the MIPS name.	Length: 40 characters		S	O

Table 25: C_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_INOT_CLASS	Specifies the service class of an IVMN subscriber.	Length: 4 characters		S	O
HIA_INOT_ENABLE D	Enables/disables the Interactive Notification (IVMN) service.	Length: 8 characters		S	O
HIA_ISSAC_VALID	According to value (1/2/3) applies/does not apply. Verification and divert for the subscriber's main phone through the ISSAC.	Format: String Length: 1 Values: Y, N		S	O
HIA_LANGUAGE_ID	Defines the language of the system prompts played when the mailbox is accessed.	Length: 2 digits, Range: 1 to 16		S	O
HIA_LAUNCHED_ APPLICATION_URL	The URL to which the user is connected (from the DBOX).	Format: String Length: 80 Values: A legal URL. Status: Optional		S	O
HIA_LISTEN_OPTIO N	Specifies the format of the introduction header message.	Length: 1 character		S	O
HIA_LOCAL_PATH	Local path.	Format: numeric Length: 3 Range: 1-999		S	O
HIA_MAILING_LIST _LIMIT	Maximum number of entries the subscriber may define in each personal mailing list.	Length: 2 digits, Range: 0 to 99		S	O
HIA_MAIN_FORWAR DING_BY	Defines forwarding to the main phone number if a notification is sent to main phone number.	Length: 5 characters. Range: DIAL, TRM		S	O

Table 25: C_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_MAIN_PHONE_ DIAL_TYPE	Defines how outdial is performed for message notification.	Length: 2 digits, Range: 1 to 58		S	O
HIA_MAIN_PHONE_ NUM	Subscriber's phone number.	Length: 16 digits, Range: 1 to 9999999999999999		S	O
HIA_MAIN_PHONE_ NUM_OF_RETRIES	Number of notification attempts made to the recipient of a message.	Length: 2 digits, Range: 1 to 99		S	O
HIA_MESSAGE_NU M	Message num.			S	O
HIA_ML_AMOUNT	Sets the amount of data to be retrieved. Mailing list retrieval is in groups of 50 addresses starting from a specified point. After receiving 50 addresses, additional data may be received from the same ML in increments of 50.	Format: String Length: 10 Default: 50 Status: Optional		S	O
HIA_ML_FROM	Mailing list retrieval from the TRM via the MSU. ML_FROM specifies from which address data is received.	Format:String Length: 10 Status: Optional		S	O
HIA_ML_ITEMS	Mailing list items.	Length: 255 characters		S	O
HIA_ML_NUM	Mailing list numbers.	Length: 2 digits, Range: 1 to 20		S	O
HIA_MMAILENABL ED	MMmail enabled.			S	O
HIA_MSG_PARAM	Msg param.			S	O

Table 25: C_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_MSG_RT_CLS	Provides routing class services for message delivery between subscribers.	Length: 2 digits, Range: 0 to 99		S	O
HIA_MSI_ID_LIST	MSI ID list.	Format: numeric Length: 4 Range: 0-9999		S	O
HIA_MSUNG_TYPE	MSU next generation enabled.	Format: String Length: 1 Values: Y, N; Must be set to Y to enable F141-F145.		S	O
HIA_MSU_ACCOUNT_ENABLED	Indicates whether the subscriber's MSU account is enabled.	Format: String		S	O
HIA_MSU_ID	ID of the MSU on which to create the new subscriber.	Length: 3 digits, Range: 1 to 255		S	O
HIA_MSU_NAME	Name of the MSU where the subscriber is stored.	Length: 2 characters		S	O
HIA_MWI	Activates or deactivates the message waiting indication.	Length: 3 characters,Values YES, NO		S	O
HIA_MWI_IMPLEMENTATION_MODE	Specifies the MWI activation method.	Length: 13 characters. Range: DLX, TRM, CCS,DIAL, SMDI, ISDN,TRM_NOR EACH		S	O
HIA_MWI_OFF_DIALTYPE	Defines the deactivation of the MWI signal if the MWI implementation mode is By Dialing.	Length: 2 digits, Range: 1 to 60		S	O

Table 25: C_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_MWI_ON_DIAL TYPE	The activation of the MWI signal if the MWI implementation mode is By Dialing.	Length: 2 digits, Range: 1 to 60		S	O
HIA_NEW_EXT_FAX _ID	New Fax ID field, which will change after the CHID is implemented.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_NEW_EXT_MAI N_PHONE_NUM	New telephone number ID field, which will change after the CHID is implemented.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_NEW_EXT_SUB _ID	Change ID (CHID) command uses 4 fields. NEW_EXT_IDs are new subscriber IDs of the CHID command.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_NEW_USER_TU TORIAL	Enables the TRM to recognize whether a subscriber (new or modified) has heard a New User Tutorial (NUT). If the user has not heard a specific NUT, the TRM allows the subscriber to hear it.	Length: 11 characters. Values: YES, NO, UNKNOWN, PW_ONLY, OGM_ONLY, VS_ONLY, PW_OGM_ ONLY, PW_VS_ONLY, OGM_VS_ONLY		S	O
HIA_NL_DEST	Destination of the MWI.	Format: String Length: 8		S	O
HIA_NL_ENTRY	The number of the notification list entry.			S	O
HIA_NL_MEDIA	Equivalent to the Implementation Mode field.	Format: String Length: 80 Illegal values: [space]		S	O

Table 25: C_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_NL_OFF	Implementation Mode is set to TRM or DIAL, these fields determine the dialing sequence necessary to activate and deactivate the subscriber's MWI.			S	O
HIA_NL_ON	Implementation mode is set to TRM or DIAL, these fields determine the dialing sequence necessary to activate and deactivate the subscriber's MWI.	Length: 4 chars. Values: NONE, 0, NLU, 1,VXL, 2		S	O
HIA_NL_SMDI	If SMDI is selected as the implementation mode, this parameter determines the SMDI group to use.			S	O
HIA_OMI	Activates the OMI option.	Length: 5 characters		S	O
HIA_OUTDIAL_ DESTINATION	Outdial by HIA permits the system administrator to have TRILOGUE INfinity initiate an outcall to any subscriber or non-subscriber by invoking an HIA command. The outcall is handled as a standard subscriber delivery session.	Format: String Length: 10 Status: This field is currently unavailable.		S	O
HIA_OUTDIAL_ DIALING_TYPE	Optional field which specifies the dial type for the outdial function. This is a string of length 10 characters.	Status: This field is currently unavailable.		S	O

Table 25: C_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_OUTDIAL_DBO X	Outdial Dbox.			S	O
HIA_OUTDIAL_DLV _TIME	Optional field, which defines the delivery time and date and specifies that the outdial is placed in the FUD table. If there is no date specified, the default delivery time is the current time.	Format: String Length: 10 Status: This field is currently unavailable.		S	O
HIA_PAGER_TIME_F ROM	The administrator and the subscriber can define a schedule for the subscriber notification.	Length: 21 units of time		S	O
HIA_PAGER_TIME_T O	Specifies the time of the day until which the subscriber notification will be available.	Length: 21 units of time		S	O
HIA_PARTITION_ID	Indicates whether the subscriber is a corporate subscriber, as well as containing the Dbox ID.	Length: 16 characters		S	O
HIA_PASSWORD	Mailbox password.	Length: 33 characters		S	O
HIA_PERSONAL_TO P_BOX	Relevant only when GenLogue is installed.	Length: 8 digits, Range: 100 to 99999999		S	O
HIA_PLAYED_MSGS	Determines whether a message is kept or deleted by default.	Format: String, Length: 7, Values: Keep, Delete		S	O
HIA_PO_ALLOWED_ DATE	Various setups for PO scheduling.	Length: 3 digits, Range: 1 to 999		S	O

Table 25: C_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_PO_DESTINATION	Phone number of the personal operator.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_PO_DIALTYPE	Dial type of the personal operator.	Length: 2 digits, Range: 1 to 60		S	O
HIA_PO_RT_CLS	Personal operating class field.	Length: 3 digits, Range: 0 to 255		S	O
HIA_PO_TIME_FROM	Starting time for calls to be transferred to the subscriber's personal operator.	Length: 5 units of time		S	O
HIA_PO_TIME_TO	End of the time period for calls to be transferred to the personal operator.	Length: 5 units of time		S	O
HIA_PO_TYPE	Determines whether or not the subscriber has a personal operator.	Length: 10 characters. Values: ON, OFF, SCHEDULE		S	O
HIA_PREV_COS	Prev cos.			S	O
HIA_P_1	Contains user to defined data for display only through the TRM.	Length: 2 digits, Range: 0 to 16		S	O
HIA_P_2	Contains user to defined data for display only through the TRM.	Length: 2 digits, Range: 0 to 12		S	O
HIA_REACHABILITY	Controls system to initiated message forwarding to the main or alternate number upon demand from a host.	Length: 10 characters		S	O

Table 25: C_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_REACHABILITY_DT_ALT	Alternate phone dial type to differentiate between dialing functions and forwarding dialing types.	Length: 2 digits, Range: 1 to 60		S	O
HIA_REACHABILITY_DT_MAIN	Main phone dial type to differentiate between dialing functions and forwarding dialing types.	Length: 2 digits, Range: 1 to 99		S	O
HIA_REMOTE_FILE	Remote file.	Format: numeric Length: 20 Range: 1-9999 9999999999999999		S	O
HIA_RETENTION_TIME	Limits the number of days a mailbox can exist.	Length: 3 digits, Range: 1 to 999		S	O
HIA_RING_DURATION	The number of rings is provisioned when creating a new subscriber profile.	Length: 2 digits, Range: 0 to 99		S	O
HIA_ROUTING_CLASS	Controls outgoing calls and other system functions.	Length: 2 digits, Range: 0 to 99		S	O
HIA_SENT_MSGS_LIMIT	Maximum length (in seconds) of a message, greeting, or voice signature that subscriber can record.	Length: 3 digits, Range: 1 to 999		S	O
HIA_SERVICE_BAR_ID	Service bar ID.	Format: Numeric Length: 3 digits Range: 0-256 Status: Optional		S	O
HIA_SERVICE_BAR_NAME	Service bar name.	Format: String Length: 20 Status: Optional		S	O

Table 25: C_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_SERVICE_LEVEL	Service level assigned to the subscriber.	Length: 3 digits, Range: 1 to 999		S	O
HIA_SERVICE_OPTIONS	VXML subscriber services (set to ON).	Length: 3 digits, Range: 0 to 255		S	O
HIA_SKIP_PASSWORD_CHECK	Enables a user to skip the entry of a password when signing on.	Length: 12 characters. Values: ALWAYS REMOTE, ALWAYS IN,ALWAYS OUT		S	O
HIA_SMDI_GROUP	An SMDI link for data transmission.	Length: 3 digits, Range: 0 to 250		S	O
HIA_SMS_LANGUAGE	The subscriber can choose the language for short message service (SMS) message.	Length: 2 digits, Range: 1 to 16		S	O
HIA_SMTP_DOMAIN_NAME	MSU NG parameter. Defines the domain name for the MIPS.	Length: 30 characters		S	O
HIA_SMTP_USER	MSU NG parameter. Defines the username for the MIPS.	Length: 30 characters		S	O
HIA_SRL_MMU_RESPONSE_TIME	Time to out value of the relocation of messages during the copy message command.	Length: 21 characters		S	O
HIA_SUBSET_NAME	The Fkeys use SQLR command to retrieve defaults and COS.	Values: Y, N, YES, NO, T, true, 1, F, false, 0, U, B		S	O
HIA_TARGET_MSU_ID_LIST	Target MSU ID list.	Format: numeric Length: 8 Range: 100-9999999999		S	O
HIA_TARGET_TRM_ID_LIST	Target TRM ID list.	Format: numeric Length: 2 Range: 1-16		S	O

Table 25: C_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_TARGET_MBOX	New mailbox that will receive messages via the copy message command.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_TARGET_MSU	Subscribers may be transferred (relocated) to a specific, targeted MSU within the bounds of a single TRM or to an MSU.	Length: 3 digits, Range: 0 to 999		S	O
HIA_TARGET_TRM	Subscriber is assigned to an MSU based on load sharing when an MSU is not targeted.	Length: 3 digits, Range: 0 to 999		S	O
HIA_TEMP_SETUP_FLAG	When defining a new subscriber with a temporary setup, a special COS is assigned to the subscriber.	Length: 3 characters		S	O
HIA_TEXT_1	For internal use only.	Length: 25 characters		S	O
HIA_TEXT_2	For internal use only.	Length: 25 characters		S	O
HIA_TEXT_3	For internal use only.	Length: 25 characters		S	O
HIA_TEXT_4	For internal use only.	Length: 255 characters		S	O
HIA_TIMEZONE	Time zone for each mailbox.	Length: 2 digits, Range: 0 to 24		S	O
HIA_TRANSID1	Transid1. Not for regular provisioning use. This is an optional parameter.			S	O
HIA_TRANSID2	Transid2. Not for regular provisioning use. This is an optional parameter.			S	O

Table 25: C_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_TUI_EXCLUDE _MESSAGE	Indicates which message types are disabled for TUI access. Multiple values can be entered.	Length: 256		S	O
HIA_USER_NAME	Subscriber's full name.	Length: 16 digits, Range: 1 to 9999999999999999		S	O
HIA_VOICE_MAIL_ MWI_TYPE	Voicemail message waiting indication is enabled with an ON/ OFF feature. New values for MWI_TYPE are defined via the message notification screen.	Format: String Length: 8 Values: ALL (1), NORMAL (2), URGENT (3)		S	O
HIA_VOISMS_CLI	The VoiSMS service is accessed first by a data session and then by a voice session. This parameter enables access by data session to be forwarded directly to the voice session.	Format: Numeric		S	O
HIA_VOISMS_KEEP_ DELETE	Controls keeping played VoiSMS messages.	Length: 1, Range: 0 to 3		S	O
HIA_VOISMS_MSG_ LENGTH	Controls the VoiSMS maximum message length.	Format: String, Length: 7, Value: KEEP, DELETE		S	O
HIA_VOISMS_NOTIF _TYPE	Defines what type of VoiSMS notification the sender of the message receives.	Length: 2 digits, Range: 0 to 99		S	O
HIA_WAPPUSHENA BLED	Wap push enabled.			S	O

Table 25: C_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_WEEKEND_PAGER_FROM	Notification option.	Length: 7 units of time		S	O
HIA_WEEKEND_PAGER_TO	Notification option.	Length: 7 units of time		S	O
HIA_WHO_CALLED_ENABLED	Enables the who called service.	Length: 3 characters		S	O
NE_COMVERSE-VMS	NE_COMVERSE-VMS.			S	R
VM_ID	Unique ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R

Mapping to ASDLs

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

Table 26: CSDL to ASDL Mapping

CSDL	ASDL
C_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER	A_COMVERSE-VMS_3-4-2_ADD_VIRTUAL-SUBSCRIBER
	A_COMVERSE-VMS_3-4-2_ADD_SUBSCRIBER

C_COMVERSE-VMS_3-4-2_BLOCK_SUBSCRIBER

This service blocks the Voice Mail service to the subscriber.

Table 27: C_COMVERSE-VMS_3-4-2_BLOCK_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
NE_COMVERSE-VMS	NE_COMVERSE-VMS.			S	R

Table 27: C_COMVERSE-VMS_3-4-2_BLOCK_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
VM_ID	Unique ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R

Mapping to ASDLs

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

Table 28: CSDL to ASDL Mapping

CSDL	ASDL
C_COMVERSE-VMS_3-4-2_BLOCK_SUBSCRIBER	A_COMVERSE-VMS_3-4-2_BLOCK_SUBSCRIBER

C_COMVERSE-VMS_3-4-2_CHG_GENERIC-ID

This service changes the subscriber ID.

Table 29: C_COMVERSE-VMS_3-4-2_CHG_GENERIC-ID

Parameter Name	Description	Range	Default Value	Type	Class
HIA_NEW_EXT_FAX_ID	New fax ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_NEW_EXT_MAIN_PHONE_NUM	New main phone number.	Length: 16 digits, Range: 100 to 9999999999999999		S	R
HIA_NEW_EXT_SUB_ID	New subscriber ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R
NE_COMVERSE-VMS	NE_COMVERSE-VMS.			S	R
VM_ID	Unique ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R

Mapping to ASDLs

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

Table 30: CSDL to ASDL Mapping

CSDL	ASDL
C_COMVERSE-VMS_3-4-2_CHG_GENERIC-ID	A_COMVERSE-VMS_3-4-2_QRY_GENERIC-ID-RB
	A_COMVERSE-VMS_3-4-2_CHG_GENERIC-ID

C_COMVERSE-VMS_3-4-2_DEL_SUBSCRIBER

This service deletes a subscriber.

Table 31: C_COMVERSE-VMS_3-4-2_DEL_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
NE_COMVERSE-VMS	NE_COMVERSE-VMS.			S	R
VM_ID	Unique ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R

Mapping to ASDLs

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

Table 32: CSDL to ASDL Mapping

CSDL	ASDL
C_COMVERSE-VMS_3-4-2_DEL_SUBSCRIBER	A_COMVERSE-VMS_3-4-2_QRY_SUBSCRIBER-RB
	A_COMVERSE-VMS_3-4-2_DEL_SUBSCRIBER

C_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

This service modifies the subscriber details.

Table 33: C_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_ACCESS_RIGHTS	Access rights assigned to the subscriber.	Length: 2 digits, Range: 1 to 99		S	O
HIA_ACCOUNT_NUM	Identifies a group of related subscribers.	Length: 8 characters		S	O
HIA_ACTIVATE_VM_PA	This field indicates whether Voicemail PA is active, although the profile is defined in the TRM/MSU. (To be used by the TRM-AUX and SRL processes.)	Format: String Length: 1 Values: Y, N Status: Optional		S	O
HIA_ADDITIONAL_ACCESS_NUMBERS	The number of access IDs to enable access to the same mailbox from fixed and mobile networks.	Length: 250 characters		S	O
HIA_ALT2_DIAL_TYPE	Additional notification numbers.	Length: 2 digits, Range: 1 to 60		S	O
HIA_ALT2_PHONE_NUM	Additional notification numbers.	Length: 20 characters		S	O
HIA_ALT3_DIAL_TYPE	Additional notification numbers.	Length: 2 digits, Range: 1 to 60		S	O
HIA_ALT3_PHONE_NUM	Additional notification numbers.	Length: 20 characters		S	O
HIA_ALTERNATE_PHONE_DIAL_TYPE	Defines calling details for message notification.	Length: 2 digits, Range: 1 to 60		S	O
HIA_ALTERNATE_PHONE_NUM_OF_RETRIES	Number of notification attempts made to the recipient of a message.	Length: 2 digits, Range: 1 to 99		S	O

Table 33: C_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_ALT_FORWARDING_BY	Defines forwarding to alternate phone number, if notification is sent to alternate phone number.	Length: 5 characters. Range: DIAL, TRM		S	O
HIA_ALT_PHONE_NUM	Alternate phone number chosen by the subscriber for notification purposes.	Length: 20 digits, Range: 1 to 99999999999999999999		S	O
HIA_AMTE_DEFAULT_EMAIL_ADDRESS	Predefines the subscriber's default email address.	Length: 32 chars. Values: NONE, 0, ALL, 1, URGENT, 2.		S	O
HIA_AMTE_KEEP_DELETE	Enables the storing or deleting of messages after transfer to an email address.	Value: 0/keep/KEEP/1/delete/DELETE		S	O
HIA_AMTE_MESSAGE_DATA_TYPE	Enables the transferring of both voice and fax message data types to an email address.	Length: 256 characters		S	O
HIA_AMTE_MESSAGE_TYPE	Enables an option to select the message type (Urgent, Normal, or All).	Length: 32 characters. Values: NONE, 0, VOICE, 1, FAX, 2, BOTH, 3.		S	O
HIA_ANNOUNCEMENT_MODE	Defines the existence of a guest announcement.	Length: 3 characters		S	O
HIA_AUTO_TRANSFER_DEST	A fax telephone number containing up to 13 characters and preceded by zero.	Length: 14 characters		S	O
HIA_AUTO_TRANSFER_TYPE	Type of faxes that are automatically transferred.	Length: 20 characters, Values: UNCONFIDENTIAL, ALL, NONE		S	O

Table 33: C_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_BILLING_NUM	Subscriber's calling card number.	Length: 18 digits		S	O
HIA_BULLETIN_GROUP	Subscriber is included in a bulletin group and receives a message each time a bulletin is released.	Length: 2 digits, Range: 1 to 99		S	O
HIA_CAPTURE_EMPTY_MSG	Enables a short message containing the CLI and the time of the call, if a caller hangs up without leaving a message.	Length: 10 characters. Values: Yes 1, NO 2, UNKNOWN 4		S	O
HIA_CASCADING_MSGS_KEEP	Defines whether a cascaded message is kept or deleted from the original mailbox.	Length: 7 characters		S	O
HIA_CASCADING_NUM	Cascading destination number.	Length: 14 characters		S	O
HIA_CASCADING_PAGER_TYPE	Defines how a pager is activated when cascading to a pager takes place.	Length: 2 digits, Range: 1 to 60		S	O
HIA_CASCADING_TO_TYPE	Specifies the destination for cascading.	Length: 7 characters, Values: BOX, PHONE		S	O
HIA_CHANGING_EMS	Determines whether the EMS (MIPS) is changed during SRL.	Values: Y, N, YES_WITHOUT_VIDEO		S	O
HIA_COPY_TO_MAILBOX	Mailbox ID, which receives a duplicate of each message.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_CORPORATE_ID	HIA corporate ID.	Format: String Length: 7 Values: KEEP, DELETE		S	O

Table 33: C_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_COS_NUM	Subscriber's class of service.	Length: 3 digits		S	O
HIA_CR_DIALTYPE	Guest call return type.	Length: 2 digits, Range: 1 to 99		S	O
HIA_CR_RT_CLS	Call return routing class (filter) field.	Length: 3 digits, Range: 0 to 255		S	O
HIA_CVVM_AUTO_ ENROLLMENT_ENA BLED	Enables/disables OTA registration on the CVVM service from the handset.	Values: Y, N, Yes, No		S	O
HIA_CVVM_DIAL_I N_ENABLED	Enables/disables dial to in applications on the MSU.	Values: Y, N, Yes, No		S	O
HIA_CVVM_NOTIF_ ENABLED	Enabled by the RG command, so that CVVM notification is activated for a specific subscriber.	Values: Y, N, Yes, No		S	O
HIA_CVVM_NOTIF_ METHOD	Determines the method in which the CVVM notification message is sent.	Values: 0 = Unknown 1 = Simple (Symbian) 2 = Brew		S	O
HIA_DBOX_ENV	This accepts value for Dialogue box environment.	Format: numeric Length: 16 Range: 1-9999999999999999		S	O
HIA_DBOX_GREET_ NUMBER	This accepts value for Dialogue box greet number.	Format: String. Length: 10		S	O
HIA_DBOX_GREET_ TYPE	This accepts value for Dialogue box greet type.	Format: String Length: 2		S	O
HIA_DBOX_ID	This accepts value for Dialogue box ID.			S	O

Table 33: C_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_DBOX_NAME	This accepts value for Dialogue box name.	Format: numeric Length: 16 Range: 100-9999999999999999		S	O
HIA_DBOX_OPERAT ION	This accepts value for Dialogue box operation.	Format: String Length: 8		S	O
HIA_DBOX_REPETI TION	This accepts value for Dialogue box repetition.	String of length 30 characters		S	O
HIA_DBOX_START _RECORD	This accepts value for Dialogue box start record.	Format: numeric Length: 16 Range: 1-9999999999999999		S	O
HIA_DBOX_TIMEOU T	This accepts value for Dialogue box time out.	Format: numeric Length: 3 Range: 1-999		S	O
HIA_DBOX_TSR_EN V	This accepts value for Dialogue box TSR env.	Format: numeric Length: 3 Range: 1-255		S	O
HIA_DELIVERY_TIM E_FROM	Start of time period during which auto transfer faxes are delivered.	Length: 7 units of time		S	O
HIA_DELIVERY_TIM E_TO	End of the delivery period for automatic fax transfer.	Length: 7 units of time		S	O
HIA_DESTINATION	Destination.			S	O
HIA_DIALING_PREF IX	A dialing prefix may be required before the subscriber's main phone number when that number is called.	Length: 4 digits, Range: 0 to 9999		S	O
HIA_DIALING_TYPE	Defines how out dial is performed for message notification.	Length: 2 digits, Range: 1 to 60		S	O

Table 33: C_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_EMAIL_ENABLED	Indicated if the email message type is open.	Format: String Length: 1 Values: Y, N, 1, 0 Status: Optional		S	O
HIA_EMAP_STORAGE	This field is used as storage for the EMAP function.	Length: 25 characters		S	O
HIA_ENABLE_PAGING	Enables or disables the subscriber notification.	Length: 3 characters		S	O
HIA_ENABLE_WEEKEND_PAGING	The administrator can specify the time of the day in which the notification will be available.	Length: 3 characters		S	O
HIA_EPARAM01	TARGET_MSU EmapBit parameter 01.	Length: 3 characters		S	O
HIA_EPARAM02	TARGET_TRM EmapBit parameter 02.	Length: 3 characters		S	O
HIA_EPARAM03	EmapBit parameter 03.	Length: 3 characters		S	O
HIA_EPARAM04	EmapBit parameter 04.	Length: 3 characters		S	O
HIA_EPARAM05	EmapBit parameter 05.	Length: 3 characters		S	O
HIA_EPARAM06	EmapBit parameter 06.	Length: 3 characters		S	O
HIA_EPARAM07	EmapBit parameter 07.	Length: 3 characters		S	O
HIA_EPARAM08	EmapBit parameter 08.	Length: 3 characters		S	O
HIA_EXT_FAX_ID	Reserved for future use.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_EXT_MAIN_PHONE_NUM	Reserved for future use.	Length: 16 digits, Range: 100 to 9999999999999999		S	O

Table 33: C_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_EXT_SERVICES	Specifies an MSU internal parameter used by Emap.	Length: 2 digits, Range: 0 to 15		S	O
HIA_EXT_SERVICE_ RETURN_DBOX	The DBOX ID that the user will be connected to after VXML termination.	Format: String Length: 8 Values: A legal Dbox ID. Status: Optional		S	O
HIA_EXT_SUB_ID	Reserved for future use.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_FAX_ID	Allows direct guest access to a subscriber's mailbox as if it were a fax machine.	Length: 16 digits, Range: 1 to 9999999999999999		S	O
HIA_FAX_MAIL_EN ABLED	Indicated if the fax mail message type is open.	Format: String Length: 1 Values: Y, N, 1, 0 Status: Optional		S	O
HIA_FAX_RT_CLS	Defines which phone numbers are available/ restricted to a subscriber.	Length: 1 digit, Range: 0 to 4		S	O
HIA_FIFO_LIFO	By defining the appropriate COS, messages can be played on a FIFO basis, or LIFO basis.	Length: 2 digits, Range: 0 to 99		S	O
HIA_FORWARDING_ PHONE	Selects the subscriber's main or alternate phone number as a forwarding destination.	Format: String, Length: 10, Values: Main, Alternate		S	O
HIA_FORWARDING_ TYPE	Type of messages to be forwarded to the specified destination.	Format: String Length: 6 Range: Urgent, All, None		S	O

Table 33: C_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_GROUP_NAME	Defines a group of subscribers within a limited area.	Length: 5 digits, Range: 0 to 65,536		S	O
HIA_GR_NUM	GR num.	Format: Numeric Length: 3 digits Range 0-256 Status: Optional		S	O
HIA_GUEST_LANGU AGE	The subscriber can choose the language for a guest session.	Length: 2 digits, Range: 1 to 16		S	O
HIA_HANDSETTYPE	Handset type.			S	O
HIA_HOST_TYPE	The kind of platform type: NONE, NLU, VXL.	Format: String Length: 1 Values: 0, 1, 2 Status: Optional		S	O
HIA_IMAP_LOGIN_ NAME	Read only. MSU NG parameter. Defines the login to log in to the Email server.	Length: 30 characters		S	O
HIA_IMAP_PASSWO RD	Voicemail password. Defines the password to enter the Email server.	Format: String Length: 30 Status: Optional when F146 is set to Y		S	O
HIA_IMAP_SERVER_ NAME	MSU NG parameter. Defines the MIPS name.	Length: 40 characters		S	O
HIA_INOT_CLASS	Specifies the service class of an IVMN subscriber.	Length: 4 characters		S	O
HIA_INOT_ENABLE D	Enables/disables the Interactive Notification (IVMN) service.	Length: 8 characters		S	O

Table 33: C_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_ISSAC_VALID	According to value (1/2/3) applies/does not apply. Verification and divert for the subscriber's main phone through the ISSAC.	Format: String Length: 1 Values: Y, N		S	O
HIA_LANGUAGE_ID	Defines the language of the system prompts played when the mailbox is accessed.	Length: 2 digits, Range: 1 to 16		S	O
HIA_LAUNCHED_ APPLICATION_URL	The URL to which the user is connected (from the DBOX).	Format: String Length: 80 Values: A legal URL. Status: Optional		S	O
HIA_LISTEN_OPTIO N	Specifies the format of the introduction header message.	Length: 1 character		S	O
HIA_LOCAL_PATH	Local path.	Format: numeric Length: 3 Range: 1-999		S	O
HIA_MAILING_LIST _LIMIT	Maximum number of entries the subscriber may define in each personal mailing list.	Length: 2 digits, Range: 0 to 99		S	O
HIA_MAIN_FORWAR DING_BY	Defines forwarding to the main phone number if a notification is sent to the main phone number.	Length: 5 characters. Range: DIAL, TRM		S	O
HIA_MAIN_PHONE_ DIAL_TYPE	Defines how outdial is performed for message notification.	Length: 2 digits, Range: 1 to 58		S	O
HIA_MAIN_PHONE_ NUM	Subscriber's phone number.	Length: 16 digits, Range: 1 to 9999999999999999		S	O

Table 33: C_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_MAIN_PHONE_NUM_OF_RETRIES	Number of notification attempts made to the recipient of a message.	Length: 2 digits, Range: 1 to 99		S	O
HIA_MESSAGE_NUM	Message num.			S	O
HIA_ML_AMOUNT	Sets the amount of data to be retrieved. Mailing list retrieval is in groups of 50 addresses starting from a specified point. After receiving 50 addresses, additional data may be received from the same ML in increments of 50.	Format: String Length: 10 Default: 50 Status: Optional		S	O
HIA_ML_FROM	Mailing list retrieval from the TRM via the MSU. ML_FROM specifies from which address data is received.	Format:String Length: 10 Status: Optional		S	O
HIA_ML_ITEMS	Mailing list items.	Length: 255 characters		S	O
HIA_ML_NUM	Mailing list numbers.	Length: 2 digits, Range: 1 to 20		S	O
HIA_MMAILENABLED	MM mail enabled.			S	O
HIA_MSG_PARAM	Msg param.			S	O
HIA_MSG_RT_CLS	Provides routing class services for message delivery between subscribers.	Length: 2 digits, Range: 0 to 99		S	O
HIA_MSI_ID_LIST	MSI ID list.	Format: numeric Length: 4 Range: 0-9999		S	O

Table 33: C_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_MSUNG_TYPE	MSU next generation enabled.	Format: String Length: 1 Values: Y, N; Must be set to Y to enable F141-F145.		S	O
HIA_MSU_ACCOUNT_ENABLED	Indicates whether the subscriber's MSU account is enabled.	Format: String		S	O
HIA_MSU_ID	ID of the MSU on which to create the new subscriber.	Length: 3 digits, Range: 1 to 255		S	O
HIA_MSU_NAME	Name of the MSU where the subscriber is stored.	Length: 2 characters		S	O
HIA_MWI	Activates or deactivates the message waiting indication.	Length: 3 characters,Values YES, NO		S	O
HIA_MWI_IMPLEMENTATION_MODE	Specifies the MWI activation method.	Length: 13 characters. Range: DLX, TRM, CCS,DIAL, SMDI, ISDN,TRM_NOR EACH		S	O
HIA_MWI_OFF_DIALTYPE	Defines the deactivation of the MWI signal if the MWI implementation mode is By Dialing.	Length: 2 digits, Range: 1 to 60		S	O
HIA_MWI_ON_DIALTYPE	The activation of the MWI signal if the MWI implementation mode is By Dialing.	Length: 2 digits, Range: 1 to 60		S	O
HIA_NEW_EXT_FAX_ID	New Fax ID field, which will change after the CHID is implemented.	Length: 16 digits, Range: 100 to 9999999999999999		S	O

Table 33: C_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_NEW_EXT_MAIN_PHONE_NUM	New telephone number ID field, which will change after the CHID is implemented.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_NEW_EXT_SUB_ID	Change ID (CHID) command uses 4 fields. NEW_EXT_IDs are new subscriber IDs of the CHID command.	Length: 16 digits, Range: 100 to 9999999999999999		S	O
HIA_NEW_USER_TUTORIAL	Enables the TRM to recognize whether a subscriber (new or modified) has heard a New User Tutorial (NUT). If the user has not heard a specific NUT, the TRM allows the subscriber to hear it.	Length: 11 characters. Values: YES, NO, UNKNOWN, PW_ONLY, OGM_ONLY, VS_ONLY, PW_OGM_ ONLY, PW_VS_ONLY, OGM_VS_ONLY		S	O
HIA_NL_DEST	Destination of the MWI.	Format: String Length: 8		S	O
HIA_NL_ENTRY	The number of the notification list entry.			S	O
HIA_NL_MEDIA	Equivalent to the Implementation Mode field.	Format: String Length: 80 Illegal values: [space]		S	O
HIA_NL_OFF	Implementation mode is set to TRM or DIAL, these fields determine the dialing sequence necessary to activate and deactivate the subscriber's MWI.			S	O

Table 33: C_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_NL_ON	Implementation mode is set to TRM or DIAL, these fields determine the dialing sequence necessary to activate and deactivate the subscriber's MWI.	Length: 4 chars. Values: NONE, 0, NLU, 1,VXL, 2		S	O
HIA_NL_SMDI	If SMDI is selected as the Implementation mode, this parameter determines the SMDI group to use.			S	O
HIA_OMI	Activates the OMI option.	Length: 5 characters		S	O
HIA_OUTDIAL_ DESTINATION	Outdial by HIA permits the system administrator to have TRILOGUE INfinity initiate an outcall to any subscriber or non-subscriber by invoking an HIA command. The outcall is handled as a standard subscriber delivery session.	Format: String Length: 10 Status: This field is currently unavailable.		S	O
HIA_OUTDIAL_ DIALING_TYPE	Optional field which specifies the dial type for the outdial function. This is a string of length 10 characters.	Status: This field is currently unavailable.		S	O
HIA_OUTDIAL_DBO X	Outdial Dbox.			S	O

Table 33: C_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_OUTDIAL_DLV_TIME	Optional field, which defines the delivery time and date and specifies that the outdial is placed in the FUD table. If there is no date specified, the default delivery time is the current time.	Format: String Length: 10 Status: This field is currently unavailable.		S	O
HIA_PAGER_TIME_FROM	The administrator and the subscriber can define a schedule for the subscriber notification.	Length: 21 units of time		S	O
HIA_PAGER_TIME_TO	Specifies the time of the day until which the subscriber notification will be available.	Length: 21 units of time		S	O
HIA_PARTITION_ID	Indicates whether the subscriber is a corporate subscriber, as well as containing the Dbox ID.	Length: 16 characters		S	O
HIA_PASSWORD	Mailbox password.	Length: 33 characters		S	O
HIA_PERSONAL_TOP_BOX	Relevant only when GenLogue is installed.	Length: 8 digits, Range: 100 to 99999999		S	O
HIA_PLAYED_MSGS	Determines whether a message is kept or deleted by default.	Format: String, Length: 7, Values: Keep, Delete		S	O
HIA_PO_ALLOWED_DATE	Various setups for PO scheduling.	Length: 3 digits, Range: 1 to 999		S	O
HIA_PO_DESTINATION	Phone number of the personal operator.	Length: 16 digits, Range: 100 to 9999999999999999		S	O

Table 33: C_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_PO_DIALTYPE	Dial type of the personal operator.	Length: 2 digits, Range: 1 to 60		S	O
HIA_PO_RT_CLS	Personal operating class field.	Length: 3 digits, Range: 0 to 255		S	O
HIA_PO_TIME_FROM	Starting time for calls to be transferred to the subscriber's personal operator.	Length: 5 units of time		S	O
HIA_PO_TIME_TO	End of the time period for calls to be transferred to the personal operator.	Length: 5 units of time		S	O
HIA_PO_TYPE	Determines whether or not the subscriber has a personal operator.	Length: 10 characters. Values: ON, OFF, SCHEDULE		S	O
HIA_PREV_COS	Prev cos.			S	O
HIA_P_1	Contains user to defined data for display only through the TRM.	Length: 2 digits, Range: 0 to 16		S	O
HIA_P_2	Contains user to defined data for display only through the TRM.	Length: 2 digits, Range: 0 to 12		S	O
HIA_REACHABILITY	Controls system to initiated message forwarding to the main or alternate number upon demand from a host.	Length: 10 characters		S	O
HIA_REACHABILITY_DT_ALT	Alternate phone dial type to differentiate between dialing functions and forwarding dialing types.	Length: 2 digits, Range: 1 to 60		S	O

Table 33: C_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_REACHABILITY_DT_MAIN	Main phone dial type to differentiate between dialing functions and forwarding dialing types.	Length: 2 digits, Range: 1 to 99		S	O
HIA_REMOTE_FILE	Remote file.	Format: numeric Length: 20 Range: 1-9999 9999999999999999		S	O
HIA_RETENTION_TIME	Limits the number of days a mailbox can exist.	Length: 3 digits, Range: 1 to 999		S	O
HIA_RING_DURATION	The number of rings is provisioned when creating a new subscriber profile.	Length: 2 digits, Range: 0 to 99		S	O
HIA_ROUTING_CLASS	Controls outgoing calls and other system functions.	Length: 2 digits, Range: 0 to 99		S	O
HIA_SENT_MSGS_LIMIT	Maximum length (in seconds) of a message, greeting, or voice signature that subscriber can record.	Length: 3 digits, Range: 1 to 999		S	O
HIA_SERVICE_BAR_ID	Service bar ID.	Format: Numeric Length: 3 digits Range: 0-256 Status: Optional		S	O
HIA_SERVICE_BAR_NAME	Service bar name.	Format: String Length: 20 Status: Optional		S	O
HIA_SERVICE_LEVEL	Service level assigned to the subscriber.	Length: 3 digits, Range: 1 to 999		S	O
HIA_SERVICE_OPTIONS	VXML subscriber services (set to ON).	Length: 3 digits, Range: 0 to 255		S	O

Table 33: C_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_SKIP_PASSWORD_CHECK	Enables a user to skip the entry of a password when signing on.	Length: 12 characters. Values: ALWAYS REMOTE, ALWAYS IN,ALWAYS OUT		S	O
HIA_SMDI_GROUP	An SMDI link for data transmission.	Length: 3 digits, Range: 0 to 250		S	O
HIA_SMS_LANGUAGE	The subscriber can choose the language for short message service (SMS) message.	Length: 2 digits, Range: 1 to 16		S	O
HIA_SMTP_DOMAIN_NAME	MSU NG parameter. Defines the domain name for the MIPS.	Length: 30 characters		S	O
HIA_SMTP_USER	MSU NG parameter. Defines the username for the MIPS.	Length: 30 characters		S	O
HIA_SRL_MMU_RESPONSE_TIME	Time to out value of the relocation of messages during the copy message command.	Length: 21 characters		S	O
HIA_SUBSET_NAME	The Fkeys use SQLR command to retrieve defaults and COS.	Values: Y, N, YES, NO, T, true, 1, F, false, 0, U, B		S	O
HIA_TARGET_MSU_ID_LIST	Target MSU ID list.	Format: numeric Length: 8 Range: 100-9999999999		S	O
HIA_TARGET_TRM_ID_LIST	Target TRM ID list.	Format: numeric Length: 2 Range: 1-16		S	O
HIA_TARGET_MBOX	New mailbox that will receive messages via the copy message command.	Length: 16 digits, Range: 100 to 9999999999999999		S	O

Table 33: C_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_TARGET_MSU	Subscribers may be transferred (relocated) to a specific, targeted MSU within the bounds of a single TRM or to an MSU.	Length: 3 digits, Range: 0 to 999		S	O
HIA_TARGET_TRM	Subscriber is assigned to an MSU based on load sharing when an MSU is not targeted.	Length: 3 digits, Range: 0 to 999		S	O
HIA_TEMP_SETUP_FLAG	When defining a new subscriber with a temporary setup, a special COS is assigned to the subscriber.	Length: 3 characters		S	O
HIA_TEXT_1	For internal use only.	Length: 25 characters		S	O
HIA_TEXT_2	For internal use only.	Length: 25 characters		S	O
HIA_TEXT_3	For internal use only.	Length: 25 characters		S	O
HIA_TEXT_4	For internal use only.	Length: 255 characters		S	O
HIA_TIMEZONE	Time zone for each mailbox.	Length: 2 digits, Range: 0 to 24		S	O
HIA_TRANSID1	Transid1. Not for regular provisioning use. This is an optional parameter.			S	O
HIA_TRANSID2	Transid2. Not for regular provisioning use. This is an optional parameter.			S	O
HIA_TUI_EXCLUDE_MESSAGE	Indicates which message types are disabled for TUI access. Multiple values can be entered.	Length: 256		S	O

Table 33: C_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_USER_NAME	Subscriber's full name.	Length: 16 digits, Range: 1 to 9999999999999999		S	O
HIA_VOICE_MAIL_ MWI_TYPE	Voicemail message waiting indication is enabled with an ON/ OFF feature. New values for MWI_TYPE are defined via the message notification screen.	Format: String Length: 8 Values: ALL (1), NORMAL (2), URGENT (3)		S	O
HIA_VOISMS_CLI	The VoiSMS service is accessed first by a data session and then by a voice session. This parameter enables access by data session to be forwarded directly to the voice session.	Format: Numeric		S	O
HIA_VOISMS_KEEP_ DELETE	Controls keeping played VoiSMS messages.	Length: 1, Range: 0 to 3		S	O
HIA_VOISMS_MSG_ LENGTH	Controls the VoiSMS maximum message length.	Format: String, Length: 7, Value: KEEP, DELETE		S	O
HIA_VOISMS_NOTIF _TYPE	Defines what type of VoiSMS notification the sender of the message receives.	Length: 2 digits, Range: 0 to 99		S	O
HIA_WAPPUSHENA BLED	Wap push enabled.			S	O
HIA_WEEKEND_PA GER_FROM	Notification option.	Length: 7 units of time		S	O
HIA_WEEKEND_PA GER_TO	Notification option.	Length: 7 units of time		S	O

Table 33: C_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HIA_WHO_CALLED_ENABLED	Enables the who called service.	Length: 3 characters		S	O
NE_COMVERSE-VMS	NE_COMVERSE-VMS.			S	R
VM_ID	Unique ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R

Mapping to ASDLs

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

Table 34: CSDL to ASDL Mapping

CSDL	ASDL
C_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER	A_COMVERSE-VMS_3-4-2_QRY_SUBSCRIBER-RB
	A_COMVERSE-VMS_3-4-2_MOD_VIRUTAL-SUBSCRIBER
	A_COMVERSE-VMS_3-4-2_MOD_SUBSCRIBER

C_COMVERSE-VMS_3-4-2_QRY_SUBSCRIBER

This service queries the subscriber details.

Table 35: C_COMVERSE-VMS_3-4-2_QRY_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
NE_COMVERSE-VMS	NE_COMVERSE-VMS.			S	R
VM_ID	Unique ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R

Mapping to ASDLs

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

Table 36: CSDL to ASDL Mapping

CSDL	ASDL
C_COMVERSE-VMS_3-4-2_QRY_SUBSCRIBER	A_COMVERSE-VMS_3-4-2_QRY_SUBSCRIBER

C_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER

This service resets the subscriber details.

Table 37: C_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
NE_COMVERSE-VMS	NE_COMVERSE-VMS.			S	R
VM_ID	Unique ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R

Mapping to ASDLs

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

Table 38: CSDL to ASDL Mapping

CSDL	ASDL
C_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER	A_COMVERSE-VMS_3-4-2_QRY_SUBSCRIBER-RB
	A_COMVERSE-VMS_3-4-2_RESET_SUBSCRIBER

C_COMVERSE-VMS_3-4-2_UNBLOCK_SUBSCRIBER

This service unblocks the Voice Mail service to the subscriber.

Table 39: C_COMVERSE-VMS_3-4-2_UNBLOCK_SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
NE_COMVERSE-VMS	NE_COMVERSE-VMS.			S	R
VM_ID	Unique ID.	Length: 16 digits, Range: 100 to 9999999999999999		S	R

Mapping to ASDLs

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

Table 40: CSDL to ASDL Mapping

CSDL	ASDL
C_COMVERSE-VMS_3-4-2_UNBLOCK_SUBSCRIBER	A_COMVERSE-VMS_3-4-2_UNBLOCK_SUBSCRIBER

5

Configuring ASAP to Support Additional NE Instances

You can configure ASAP to support the T_COMVERSE-VMS_3-4-2_NE- 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 Comverse VMS 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="COMVMSPL">
       <device name="Connection1">
          <environment/>
          <lineType>TELNET_CONNECTION</lineType>
       </device>
    </connectionPool>
    <element name="T_COMVERSE-VMS_3-4-2_NE">
    <vendor>COMVERSE</vendor>
    <technology>VMS</technology>
    <softwareLoad>3-4-2</softwareLoad>
    <nepServerName>$NEP</nepServerName>
    <primaryPool>COMVMSPL</primaryPool>
    <maximumConnections>5</maximumConnections>
    <dropTimeout>1</dropTimeout>
    <spawnThreshold>6</spawnThreshold>
    <killThreshold>3</killThreshold>
    <routingElement name="T_COMVERSE-VMS_3-4-2_NE"/>
    <communicationParameter>
       <label>SSH_SUPPORT</label>
       <value>
          <value>NO</value>
       </value>
       <description>For Java only. The flag whether SSH is on or not.
       </description>
       <lineType>TELNET_CONNECTION</lineType>
    </communicationParameter>
    <communicationParameter>
       <label>SSH_VERSION</label>
       <value>
```

```
                <value>SSH2</value>
            </value>
            <description>For Java only. The SSH version.</description>
            <lineType>TELNET_CONNECTION</lineType>
        </communicationParameter>
        <communicationParameter>
            <label>SSH_PORT</label>
            <value>
                <value>22</value>
            </value>
            <description>For Java only. The SSH port number.
            </description>
            <lineType>TELNET_CONNECTION</lineType>
        </communicationParameter>
        <communicationParameter>
            <label>SSH_AUTH_METHOD</label>
            <value>
                <value>PASSWORD</value>
            </value>
            <description>For Java only. The authentication method
            PASSWORD or PUBLIC_KEY.</description>
            <lineType>TELNET_CONNECTION</lineType>
        </communicationParameter>
        <communicationParameter>
            <label>SSH_PREF_PUBLIC_KEY</label>
            <value>
                <value>PUBLIC_KEY_SSHRSA</value>
            </value>
            <description>For Java only. The preferred public key
            PUBLIC_KEY_SSHRSA or PUBLIC_KEY_SSHDSS.</description>
            <lineType>TELNET_CONNECTION</lineType>
        </communicationParameter>
        <communicationParameter>
            <label>HOST_NAME</label>
            <value>
                <value>HOST_CLLI</value>
            </value>
            <description>Machine name for the host NE.</description>
            <lineType>TELNET_CONNECTION</lineType>
        </communicationParameter>
        <communicationParameter>
            <label>HOST_IPADDR</label>
            <value>
                <value>10.6.1.40</value>
            </value>
            <description>Network IP address for the host NE.
            </description>
            <lineType>TELNET_CONNECTION</lineType>
        </communicationParameter>
        <communicationParameter>
            <label>PORT</label>
            <value>
                <value>23</value>
            </value>
            <description>Telnet service port.</description>
            <lineType>TELNET_CONNECTION</lineType>
        </communicationParameter>
```

```
<communicationParameter>
   <label>HOST_USERID</label>
   <value>
      <value>test</value>
   </value>
   <description>For Java only. User name.</description>
   <lineType>TELNET_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
   <label>HOST_PASSWORD</label>
   <value>
      <value>test</value>
   </value>
   <description>For Java only. Password.</description>
   <lineType>TELNET_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
   <label>OPEN_TIMEOUT</label>
   <value>
      <value>100</value>
   </value>
   <description>For Java only. Connection establishment timeout
   (in seconds).</description>
   <lineType>TELNET_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
   <label>READ_TIMEOUT</label>
   <value>
      <value>100</value>
   </value>
   <description>For Java only. Timeout for the telnet read
   functions (in seconds).</description>
   <lineType>TELNET_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
   <label>LOGIN_PROMPT</label>
   <value>
      <value>login:</value>
   </value>
   <description>For Java only. The login prompt expected in the
   telnet session.</description>
   <lineType>TELNET_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
   <label>PASSWORD_PROMPT</label>
   <value>
      <value>Password:</value>
   </value>
   <description>For Java only. The password prompt expected in
   the telnet session.</description>
   <lineType>TELNET_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
   <label>PROMPT</label>
   <value>
      <value>HST&gt; :</value>
   </value>
```

```
                    <description>Provisioning Prompt</description>
                    <lineType>TELNET_CONNECTION</lineType>
            </communicationParameter>
            <communicationParameter>
                    <label>UNIX_PROMPT</label>
                    <value>
                        <value>&gt;</value>
                    </value>
                    <description>Unix Prompt</description>
                    <lineType>TELNET_CONNECTION</lineType>
            </communicationParameter>
            <communicationParameter>
                    <label>INTERACTIVE_PROG</label>
                    <value>
                        <value>trm_hst_inter</value>
                    </value>
                    <description>Returns Provision Prompt</description>
                    <lineType>TELNET_CONNECTION</lineType>
            </communicationParameter>
            <communicationParameter>
                    <label>USE_INTERACTIVE_PROG</label>
                    <value>
                        <value>NO</value>
                    </value>
                    <description>Use Interactive Prog</description>
                    <lineType>TELNET_CONNECTION</lineType>
            </communicationParameter>
            <communicationParameter>
                    <label>RESPONSELOG</label>
                    <value>
                        <value>true</value>
                    </value>
                    <description>Enable or Disables the Response Log
                    </description>
                    <lineType>TELNET_CONNECTION</lineType>
            </communicationParameter>
            <communicationParameter>
                    <label>SRL_PROMPT</label>
                    <value>
                        <value>0</value>
                    </value>
                    <description>SRL Prompt</description>
                    <lineType>TELNET_CONNECTION</lineType>
            </communicationParameter>
            <communicationParameter>
                    <label>READ_ONLY_PARAMS_ADD</label>
                    <value>
                        <value>F116,F108</value>
                    </value>
                    <description>Read Only Parameters</description>
                    <lineType>TELNET_CONNECTION</lineType>
            </communicationParameter>
            <communicationParameter>
                    <label>READ_ONLY_PARAMS_MOD</label>
                    <value>
                        <value>F116,F108,F05,F06</value>
                    </value>
```

```
            <description>Read Only Parameters</description>
            <lineType>TELNET_CONNECTION</lineType>
        </communicationParameter>
    </element>
</activationConfig>
```

Extracting source files

Before you can access an XML file to modify it, you must extract it from the .sar file. Use the following procedure to extract source files from the sar file.

To extract source files

1. Create a repository directory. Copy the .sar file to the new directory and un-jar the sar file.

2. After you un-jar the sar file, you can access the XML files.

Loading a new XML file

When you finish modifying an XML file, you must create a new sar file, then restart the cartridge using the new file.

Follow the instructions in for directions on how to load a new XML file.