

**Oracle® Communications**  
**ASAP**

ERICSSON\_MINSAT\_5\_1\_SUB\_1\_0 Cartridge Guide

First Edition

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# Cartridge Overview

This guide provides a detailed description of the ERICSSON\_MINSAT\_5\_1\_SUB\_1\_0 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 Oracle Communications ASAP (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 ASAP documentation.

The ERICSSON\_MINSAT\_5\_1\_SUB\_1\_0 cartridge provides the ASAP service configuration and network element (NE) interface to activate subscriber services on ERIC-MINSAT\_5-1-HOST NEs.

## Hardware and Software Requirements

The following sections contain the high-level software and hardware environment requirements for provisioning subscriber services on authentication center:

- NE Interface
- ASAP Version

### NE Interface

The following database tables in Service Activation Request Manager (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 7.0.2.

For more information on the operating environment of this ASAP version, refer to the ASAP version 7.0.2 Release Notes.

## Connecting to the NE

The cartridge uses Telnet/SSH protocol.

## Services, Features, and Options

This cartridge supports the following services:

**Table 1–1 Supported Services**

| Service                                   | Description  |
|---|--|
| C_ERIC-MINSAT_5-1_ADD_ACC-FAF-NUMBER      | Add account Family and Friends number  |
| C_ERIC-MINSAT_5-1_DEL_ACC-FAF-NUMBER      | Delete account Family and Friends number   |
| C_ERIC-MINSAT_5-1_GET_ACC-FAF-NUMBER      | Get account Family and Friends number  |
| C_ERIC-MINSAT_5-1_MOD_ACC-FAF-NUMBER      | Modify account Family and Friends number   |
| C_ERIC-MINSAT_5-1_GET_ACCOUNT             | Get information about a subscriber account from the MINSAT database, the SDP and the HLR |
| C_ERIC-MINSAT_5-1_ADD_SUB-FAF-NUMBER      | Add subscriber Family and Friends number   |
| C_ERIC-MINSAT_5-1_DEL_SUB-FAF-NUMBER      | Delete subscriber Family and Friends number  |
| C_ERIC-MINSAT_5-1_GET_SUB-FAF-NUMBER      | Get subscriber Family and Friends number   |
| C_ERIC-MINSAT_5-1_MOD_SUB-FAF-NUMBER      | Modify subscriber Family and Friends number  |
| C_ERIC-MINSAT_5-1_GET_SUB-PERSONALDETAILS | Retrieve a subscriber personal details   |
| C_ERIC-MINSAT_5-1_MOD_SUB-PERSONALDETAILS | Update or set a subscriber personal details  |
| C_ERIC-MINSAT_5-1_ADD_SUBSCRIBER          | Add new subscriber in the SDP, HLR and the MINSAT database                               |
| C_ERIC-MINSAT_5-1_DEL_SUBSCRIBER          | Delete a subscriber from the MINSAT database, SDP, and the HLR                           |
| C_ERIC-MINSAT_5-1_GET_SUBSCRIBER          | Get information about the static data belonging to a subscriber from the database        |
| C_ERIC-MINSAT_5-1_MOD_SUBSCRIBER          | Modify a subscriber service class  |

## Communication Parameters

The following is the list of parameters for the sample NE configuration XML used by Service Activation Configuration Tool (SACT).

**Table 1–2 Communication Parameters**

| Parameter Label | Parameter Value | Description                                   |
|-----------------|-----------------|---|
| HOST_IPADDR     | 127.0.0.1       | The host name or IP Address of the remote NE. |
| PORT            | 5000            | Port number to connect on remote NE host.     |
| OPEN_TIMEOUT    | 20              | Connection timeout in seconds.                |
| READ_TIMEOUT    | 30              | Read timeout in seconds.                      |
| HOST_USERID     | User            | Login User Name.                              |
| HOST_PASSWORD   | Password        | Password for the User.                        |
| PROMPT          | Enter command:  | Provisioning prompt.                          |

**Table 1–2 (Cont.) Communication Parameters**

| Parameter Label | Parameter Value | Description                          |
|-----------------|-----------------|--------------------------------------|
| LOGIN_PROMPT    | Login:          | Login prompt from the NE             |
| PASSWORD_PROMPT | password:       | Password prompt from the NE          |
| RESPONSELOG     | TRUE            | Flag to turn off or on Response log. |
| CAI_USERID      | User            | Login CAI User Name                  |
| CAI_PASSWORD    | Password        | Password for CAI User                |
| USE_LOGIN       | False           | Flag to use login                    |
| USE_CAI_PROMPT  | True            | Flag to use prompt                   |

## Related Documentation

This cartridge is developed according to the following NE provisioning specifications:

- Cartridge Development Guide(CDK1\_3\_1.pdf)
- minsat\_cai\_cs3.pdf





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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 2–1 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.   |
| Type           | <p>Indicates one of the following parameter types:</p> <ul style="list-style-type: none"> <li>■ S - Scalar, specifies the parameter label transmitted on the ASDL command. Scalar parameters are conventional name-value pair parameters.</li> <li>■ 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.</li> <li>■ 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.</li> </ul> <p>For more information on parameter types, refer to the <i>ASAP Developer's Guide</i>.</p> |

**Table 2–1 (Cont.) ASDL Parameter Information**

| Item  | Description  |
|-------|--|
| Class | Indicates one of the following parameter classifications: <ul style="list-style-type: none"> <li>■ R - Required scalar parameter</li> <li>■ O - Optional scalar parameter</li> <li>■ C - Required compound parameter</li> <li>■ N - Optional compound parameter</li> <li>■ M - Mandatory indexed parameter</li> <li>■ I - Optional indexed parameter</li> <li>■ S - Parameter count</li> </ul> |

For a detailed description of the Required and Optional parameter classifications, refer to the *ASAP System Administrator's Guide*.

## ASDL Commands

This cartridge provides the following ASDL commands:

- A\_ERIC-MINSAT\_5-1\_ADD\_ACC-FAF-NUMBER
- A\_ERIC-MINSAT\_5-1\_ADD\_SUB-FAF-NUMBER
- A\_ERIC-MINSAT\_5-1\_ADD\_SUBSCRIBER
- A\_ERIC-MINSAT\_5-1\_DEL\_ACC-FAF-NUMBER
- A\_ERIC-MINSAT\_5-1\_DEL\_SUB-FAF-NUMBER
- A\_ERIC-MINSAT\_5-1\_DEL\_SUBSCRIBER
- A\_ERIC-MINSAT\_5-1\_GET\_ACC-FAF-NUMBER
- A\_ERIC-MINSAT\_5-1\_GET\_ACCOUNT
- A\_ERIC-MINSAT\_5-1\_GET\_SUB-FAF-NUMBER
- A\_ERIC-MINSAT\_5-1\_GET\_SUB-PERSONALDETAILS
- A\_ERIC-MINSAT\_5-1\_GET\_SUBSCRIBER
- A\_ERIC-MINSAT\_5-1\_MOD\_ACC-FAF-NUMBER
- A\_ERIC-MINSAT\_5-1\_MOD\_ACC-FAF-NUMBER-RB
- A\_ERIC-MINSAT\_5-1\_MOD\_SUB-FAF-NUMBER
- A\_ERIC-MINSAT\_5-1\_MOD\_SUB-FAF-NUMBER-RB
- A\_ERIC-MINSAT\_5-1\_MOD\_SUB-PERSONALDETAILS
- A\_ERIC-MINSAT\_5-1\_MOD\_SUB-PERSONALDETAILS-RB
- A\_ERIC-MINSAT\_5-1\_MOD\_SUBSCRIBER
- A\_ERIC-MINSAT\_5-1\_MOD\_SUBSCRIBER-RB

### A\_ERIC-MINSAT\_5-1\_ADD\_ACC-FAF-NUMBER

Add account Family and Friends number. It is implemented by the Java method `com.metasolv.cartridge.oss.eric_minsat_5_1.prov.Provisioning.addAccFafNumber`.

**Table 2–2 A\_ERIC-MINSAT\_5-1\_ADD\_ACC-FAF-NUMBER**

| Parameter Name          | Description                                      | Range | Default Value | Type | Class |
|-------------------------|--|-------|---------------|------|-------|
| MCLI                    | Remote Network Element name                      | N/A   | N/A           | S    | R     |
| MASTERSUBSCRIBER NUMBER | Master Subscriber number in international format | N/A   | N/A           | S    | R     |
| FAFNUMBER               | Family and Friends phone number                  | N/A   | N/A           | S    | R     |
| FAFINDICATOR            | Family and Friends indicator                     | N/A   | N/A           | S    | R     |

**MML commands****MML Syntax :**

```
CREATE:ACCOUNTFAFNUMBER:MasterSubscriberNumber,<Master Subscriber phone number>;FAFNumber,<FaF phone number>;FAFIndicator,<FAF indicator>;
```

where

<MasterSubscriberNumber> = Master Subscriber phone number

<FAFNumber> = FaF phone number

<FAFIndicator> = FAF indicator

**Output Parameters**

ERMINSAT\_CREATE\_ACC\_ERR\_CODE = User\_Exit\_Type.

**A\_ERIC-MINSAT\_5-1\_ADD\_SUB-FAF-NUMBER**

Add subscriber Family and Friends number. It is implemented by the Java method `com.metasolv.cartridge.oss.eric_minsat_5_1.prov.Provisioning.addSubFafNumber`.

**Table 2–3 A\_ERIC-MINSAT\_5-1\_ADD\_SUB-FAF-NUMBER**

| Parameter Name   | Description                               | Range | Default Value | Type | Class |
|------------------|---|-------|---------------|------|-------|
| MCLI             | Remote Network Element name               | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER | Subscriber number in international format | N/A   | N/A           | S    | R     |
| FAFNUMBER        | Family and Friends phone number           | N/A   | N/A           | S    | R     |
| FAFINDICATOR     | Family and Friends indicator              | N/A   | N/A           | S    | R     |

**MML commands****MML Syntax :**

```
CREATE:SUBSCRIBERFAFNUMBER:SubscriberNumber,<Subscriber phone number>;FAFNumber,<FaF phone number>;FAFIndicator,<FAF indicator>;
```

where

<SubscriberNumber> = Subscriber phone number

<FAFNumber> = FaF phone number

<FAFIndicator> = FAF indicator

**Output Parameters**

ERMINSAT\_CREATE\_SUB\_ERR\_CODE= User Exit Type.

**A\_ERIC-MINSAT\_5-1\_ADD\_SUBSCRIBER**

Add new subscriber in the SDP, HLR and the MINSAT database. It is implemented by the Java method `com.metasolv.cartridge.oss.eric_minsat_5_1.prov.Provisioning.addSubscriber`.

**Table 2-4 A\_ERIC-MINSAT\_5-1\_ADD\_SUBSCRIBER**

| Parameter Name          | Description   | Range | Default Value | Type | Class |
|-------------------------|---|-------|---------------|------|-------|
| MCLI                    | Remote Network Element name                               | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER        | Subscriber number in international format                 | N/A   | N/A           | S    | R     |
| MASTERSUBSCRIBER NUMBER | Master Subscriber number in international format          | N/A   | N/A           | S    | O     |
| IMSI                    | The IMSI number   | N/A   | N/A           | S    | R     |
| SIM                     | The SIM number  | N/A   | N/A           | S    | R     |
| PUK1                    | Personal unblocking key 1                                 | N/A   | N/A           | S    | O     |
| PUK2                    | Personal unblocking key 2                                 | N/A   | N/A           | S    | O     |
| BUSINESSPLAN            | Subscriber business plan                                  | N/A   | N/A           | S    | R     |
| SDP                     | The SDP identifying name                                  | N/A   | N/A           | S    | O     |
| LANGUAGE                | Subscriber announcement language                          | N/A   | N/A           | S    | O     |
| TEMPBLOCKINGSTATUS      | Installation Blocking status                              | N/A   | N/A           | S    | R     |
| PROMOTIONPLAN           | Promotion plan identifier                                 | N/A   | N/A           | S    | O     |
| PROMOTIONPLANSTARTDATE  | Promotion plan start date - Conditional on Promotion Plan | N/A   | N/A           | S    | O     |
| PROMOTIONPLANE NDDATE   | Promotion plan end date - Conditional on Promotion Plan   | N/A   | N/A           | S    | O     |
| ACCOUNTGROUP            | Account Group Identifier                                  | N/A   | N/A           | S    | O     |
| COMMUNITYGROUP          | Community Group Identifier                                | N/A   | N/A           | S    | O     |
| SERVICEOFFERING         | Service Offering Plan                                     | N/A   | N/A           | S    | O     |
| USSDENDOFCALL           | The USSD End of Call notification                         | N/A   | N/A           | S    | O     |
| ORGANIZATIONID          | The virtual network organization identifier               | N/A   | N/A           | S    | R     |

**MML commands****MML Syntax :**

```
CREATE:SUBSCRIBER:
SubscriberNumber,<Phone Number>:
MasterSubscriberNumber,<Master Phone Number>:
IMSI,<IMSI Number>:
SIM,<SIM Number>:
PUK1,<Unblocking Key 1>:
```

```

PUK2,<Unblocking Key 2>:
BusinessPlan,<Business Plan>:
SDP,<SDP Identifier>:
Language,<Announcement Language>:
TempBlockingStatus,<Blocking Status>:
PromotionPlan,<Promotion Plan ID>:
PromotionPlanStartDate,<Start Date>:
PromotionPlanEndDate,<End Date>:
AccountGroup,<Account Group>:
ServiceOffering,<Service Offering>:
CommunityGroup,<Community Group>:
USSDEndOfCall,<USSDEndOfCall Code>:
OrganizationID,<Org ID>;

```

where

```

< Phone Number> = Subscriber phone number
< Master Phone Number> = Master Subscriber phone number
<IMSI> = The IMSI number
<SIM> = The SIM number
<Unblocking Key 1> = Personal unblocking key 1
<Unblocking Key 2> = Personal unblocking key 2
<Business Plan> = Subscriber business plan
<SDP Identifier> = The SDP identifying name
<Announcement Language> = Subscriber announcement language
<Blocking Status> = nstallation Blocking status
<Promotion Plan ID> = Promotion plan identifier
<Start Date> = Promotion plan start date. Conditional on Promotion Plan
<End Date> = Promotion plan end date. Conditional on Promotion Plan
<Account Group> = Account Group Identifier
<Service Offering> = Community Group Identifier
<Community Group> = Service Offering Plan
<USSDEndOfCall Code> = The USSD End of Call notification
<Org ID> = The virtual network organization identifier

```

### Output Parameters

ERMINSAT\_CREATE\_SUBSCRIBER\_ERR\_CODE= User Exit Type.

ResponseDateTime

## A\_ERIC-MINSAT\_5-1\_DEL\_ACC-FAF-NUMBER

Delete account Family and Friends number. It is implemented by the Java method `com.metasolv.cartridge.oss.eric_minsat_5_1.prov.Provisioning.delAccFafNumber`.

**Table 2-5 A\_ERIC-MINSAT\_5-1\_DEL\_ACC-FAF-NUMBER**

| Parameter Name          | Description                                      | Range | Default Value | Type | Class |
|-------------------------|--|-------|---------------|------|-------|
| MCLI                    | Remote Network Element name                      | N/A   | N/A           | S    | R     |
| MASTERSUBSCRIBER NUMBER | Master Subscriber number in international format | N/A   | N/A           | S    | R     |
| FAFNUMBER               | Family and Friends phone number                  | N/A   | N/A           | S    | O     |
| FAFINDICATOR            | Family and Friends indicator                     | N/A   | N/A           | S    | O     |

### MML commands

**MML Syntax :**

```
DELETE:ACCOUNTFAFNUMBER:MasterSubscriberNumber,<Master Subscriber phone
number>:FAFNumber,<FaF phone number>:FAFIndicator,<FAF indicator>;
```

where

<MasterSubscriberNumber> = Master Subscriber phone number

<FAFNumber> = FaF phone number

<FAFIndicator> = FAF indicator

**Output Parameters**

ERMINSAT\_DEL\_ACC\_ERR\_CODE = User\_ExitType

**A\_ERIC-MINSAT\_5-1\_DEL\_SUB-FAF-NUMBER**

Delete subscriber Family and Friends number. It is implemented by the Java method `com.metasolv.cartridge.oss.eric_minsat_5_1.prov.Provisioning.delSubFafNumber`.

**Table 2-6 A\_ERIC-MINSAT\_5-1\_DEL\_SUB-FAF-NUMBER**

| Parameter Name   | Description                               | Range | Default Value | Type | Class |
|------------------|---|-------|---------------|------|-------|
| MCLI             | Remote Network Element name               | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER | Subscriber number in international format | N/A   | N/A           | S    | R     |
| FAFNUMBER        | Family and Friends phone number           | N/A   | N/A           | S    | O     |
| FAFINDICATOR     | Family and Friends indicator              | N/A   | N/A           | S    | O     |

**MML commands****MML Syntax :**

```
DELETE:SUBSCRIBERFAFNUMBER:SubscriberNumber,<Subscriber phone
number>:FAFNumber,<FaF phone number>:FAFIndicator,<FAF indicator>;
```

where

<SubscriberNumber> = Subscriber phone number

<FAFNumber> = FaF phone number

<FAFIndicator> = FAF indicator

**Output Parameters**

ERMINSAT\_DEL\_SUB\_ERR\_CODE= User Exit Type.

**A\_ERIC-MINSAT\_5-1\_DEL\_SUBSCRIBER**

Delete a subscriber from the MINSAT database, SDP, and the HLR. It is implemented by the Java method `com.metasolv.cartridge.oss.eric_minsat_5_1.prov.Provisioning.delSubscriber`.

**Table 2-7 A\_ERIC-MINSAT\_5-1\_DEL\_SUBSCRIBER**

| Parameter Name   | Description                               | Range | Default Value | Type | Class |
|------------------|---|-------|---------------|------|-------|
| MCLI             | Remote Network Element name               | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER | Subscriber number in international format | N/A   | N/A           | S    | R     |

**MML commands****MML Syntax :**

```
DELETE:SUBSCRIBER:SubscriberNumber,<Subscriber Identifier>;
```

where

<Subscriber Identifier> = Subscriber phone number

**Output Parameters**

ERMINSAT\_DEL\_SUBSCRIBER\_ERR\_CODE= User Exit Type.

ActivationDate

ClearedBalance

CreditClearanceGracePeriod

Currency

CurrencyLabel

CurrencySymbol

DedicatedAccount1ClearedValue

DedicatedAccount1Date

DedicatedAccount1ID

DedicatedAccount2ClearedValue

DedicatedAccount2Date

DedicatedAccount2ID

DedicatedAccount3ClearedValue

DedicatedAccount3Date

DedicatedAccount3ID

DedicatedAccount4ClearedValue

DedicatedAccount4Date

DedicatedAccount4ID

DedicatedAccount5ClearedValue

DedicatedAccount5Date

DedicatedAccount5ID

Language

OrigServiceClass

PromotionPlan  
 PromotionPlanEndDate  
 PromotionPlanStartDate  
 PromotionProgressCount  
 PromotionProgressValue  
 PromotionRefillCount  
 PromotionRefillValue  
 RefillUnbarDateTime  
 ResponseDateTime  
 ServiceClass  
 ServiceFeePeriodExpiryDate  
 ServiceRemovalGracePeriod  
 Status  
 SupervisionPeriodExpiryDate  
 TemporaryServiceClassExpiryDate  
 AccountGroup  
 CommunityList  
 ServiceOffering  
 USSDEndOfCall

## A\_ERIC-MINSAT\_5-1\_GET\_ACC-FAF-NUMBER

Get account Family and Friends number. It is implemented by the Java method `com.metasolv.cartridge.oss.eric_minsat_5_1.prov.Provisioning.getAccFafNumber`.

**Table 2-8 A\_ERIC-MINSAT\_5-1\_GET\_ACC-FAF-NUMBER**

| Parameter Name   | Description                               | Range | Default Value | Type | Class |
|------------------|---|-------|---------------|------|-------|
| MCLI             | Remote Network Element name               | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER | Subscriber number in international format | N/A   | N/A           | S    | R     |

### MML commands

#### MML Syntax :

```
GET:ACCOUNTFAFNUMBER:SubscriberNumber,<Subscriber phonenumber>;
```

where

```
<SubscriberNumber> = Subscriber phone number
```

#### Output Parameters

ERMINSAT\_GET\_ACC\_ERR\_CODE = User\_Exit\_Type.

FAF\_N



K

**A\_ERIC-MINSAT\_5-1\_GET\_ACCOUNT**

Get information about a subscriber account from the MINSAT database, the SDP and the HLR. It is implemented by the Java method `com.metasolv.cartridge.oss.eric_minsat_5_1.prov.Provisioning.getAccount`.

**Table 2-9 A\_ERIC-MINSAT\_5-1\_GET\_ACCOUNT**

| Parameter Name   | Description                               | Range | Default Value | Type | Class |
|------------------|---|-------|---------------|------|-------|
| MCLI             | Remote Network Element name               | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER | Subscriber number in international format | N/A   | N/A           | S    | R     |

**MML commands****MML Syntax :**

```
GET:ACCOUNTINFORMATION:SubscriberNumber,<Subscriber phonenumber>;
```

where

```
<SubscriberNumber> = Subscriber phone number
```

**Output Parameters**

ERMINSAT\_GET\_ACCOUNT\_ERR\_CODE= User Exit Type.

AccountBalance

AccountFlagsAfter

AccountFlagsBefore

AccountGroup

AccountHomeRegion

Accumulator1Description

Accumulator1ID

Accumulator1ResetDate

Accumulator1StartDate

Accumulator1Value

Accumulator2Description

Accumulator2ID

Accumulator2ResetDate

Accumulator2StartDate

Accumulator2Value

Accumulator3Description

Accumulator3ID

Accumulator3ResetDate

Accumulator3StartDate  
Accumulator3Value  
Accumulator4Description  
Accumulator4ID  
Accumulator4ResetDate  
Accumulator4StartDate  
Accumulator4Value  
Accumulator5Description  
Accumulator5ID  
Accumulator5ResetDate  
Accumulator5StartDate  
Accumulator5Value  
ActivationDate  
CommunityList  
CreditClearanceGracePeriod  
Currency  
CurrencyLabel  
CurrencySymbol  
DedicatedAccount1Balance  
DedicatedAccount1Description  
DedicatedAccount1Date  
DedicatedAccount1ID  
DedicatedAccount1MaxValue  
DedicatedAccount2Balance  
DedicatedAccount2Description  
DedicatedAccount2Date  
DedicatedAccount2ID  
DedicatedAccount2MaxValue  
DedicatedAccount3Balance  
DedicatedAccount3Description  
DedicatedAccount3Date  
DedicatedAccount3ID  
DedicatedAccount3MaxValue  
DedicatedAccount4Balance  
DedicatedAccount4Description  
DedicatedAccount4Date  
DedicatedAccount4ID

DedicatedAccount4MaxValue  
DedicatedAccount5Balance  
DedicatedAccount5Description  
DedicatedAccount5Date  
DedicatedAccount5ID  
DedicatedAccount5MaxValue  
FirstIVRCallDone  
HLRBlockingStatus  
HLRBlockingStatusDescription  
Language  
MasterSubordinateFlag  
MasterSubscriberNumber  
MaxServiceFeePeriod  
MaxSupervisionPeriod  
NegativeBalanceBarDate  
OrigServiceClass  
OrigServiceClassDescription  
PromotionNotificationCode  
PromotionPlan  
PromotionPlanDescription  
PromotionPlanDetail  
PromotionPlanEndDate  
PromotionPlanStartDate  
PromotionProgressCount  
PromotionProgressValue  
PromotionRefillCount  
PromotionRefillValue  
RefillFraudCounter  
RefillUnbarDateTime  
ResponseDateTime  
ServiceClass  
ServiceClassDescription  
ServiceFeePeriodExpired  
ServiceFeePeriodExpiryDate  
ServiceFeePeriodWarning  
ServiceRemovalGracePeriod  
ServiceOffering

Status  
 SupervisionPeriodExpired  
 SupervisionPeriodExpiryDate  
 SupervisionPeriodWarning  
 TempBlockingStatus  
 TempBlockingStatusDescription  
 TemporaryServiceClassExpiryDate  
 USSDEndOfCall

## A\_ERIC-MINSAT\_5-1\_GET\_SUB-FAF-NUMBER

Get subscriber Family and Friends number. It is implemented by the Java method `com.metasolv.cartridge.oss.eric_minsat_5_1.prov.Provisioning.getSubFafNumber`.

**Table 2-10 A\_ERIC-MINSAT\_5-1\_GET\_SUB-FAF-NUMBER**

| Parameter Name   | Description                               | Range | Default Value | Type | Class |
|------------------|---|-------|---------------|------|-------|
| MCLI             | Remote Network Element name               | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER | Subscriber number in international format | N/A   | N/A           | S    | R     |

### MML commands

#### MML Syntax :

```
GET:SUBSCRIBERFAFNUMBER:SubscriberNumber,<Subscriber phonenumber>;
  where
  <SubscriberNumber> = Subscriber phone number
```

#### Output Parameters

ERMINSAT\_GET\_SUB\_ERR\_CODE= User Exit Type.

FAF\_N

K

## A\_ERIC-MINSAT\_5-1\_GET\_SUB-PERSONALDETAILS

Retrieve a subscriber personal details. It is implemented by the Java method `com.metasolv.cartridge.oss.eric_minsat_5_1.prov.Provisioning.getSubPersonalDetails`.

**Table 2-11 A\_ERIC-MINSAT\_5-1\_GET\_SUB-PERSONALDETAILS**

| Parameter Name   | Description                               | Range | Default Value | Type | Class |
|------------------|---|-------|---------------|------|-------|
| MCLI             | Remote Network Element name               | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER | Subscriber number in international format | N/A   | N/A           | S    | R     |

## MML commands

### MML Syntax :

```
GET:PERSONALDETAILS:SubscriberNumber,<Subscriber phonenumber>;
```

where

< Subscriber phonenumber > = Subscriber phone number

### Output Parameters

ERMINSAT\_GET\_SUB\_PER\_DET\_ERR\_CODE = User Exit Type.

Address1

Address2

Address3

Address4

ChangeDate

ChangedBy

Data1

Data2

Data3

Data4

Data5

Data6

Data7

Data8

DateOfBirth

FirstName

RegisteredBy

RegistrationDate

Surname

## A\_ERIC-MINSAT\_5-1\_GET\_SUBSCRIBER

Get information about the static data belonging to a subscriber from the database. It is implemented by the Java method `com.metasolv.cartridge.oss.eric_minsat_5_1.prov.Provisioning.getSubscriber`.

**Table 2–12 A\_ERIC-MINSAT\_5-1\_GET\_SUBSCRIBER**

| Parameter Name   | Description                               | Range | Default Value | Type | Class |
|------------------|---|-------|---------------|------|-------|
| MCLI             | Remote Network Element name               | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER | Subscriber number in international format | N/A   | N/A           | S    | R     |

## MML commands

### MML Syntax :

```
GET:SUBSCRIBERINFORMATION:SubscriberNumber,<SubscriberNumber>;
```

where

<SubscriberNumber> = Subscriber phone number

### Output Parameters

ERMINSAT\_GET\_SUBSCRIBER\_ERR\_CODE= User Exit Type.

HLRProfile

IMSI

SIM

PUK1

PUK2

NumberPlan

FirstName

Surname

## A\_ERIC-MINSAT\_5-1\_MOD\_ACC-FAF-NUMBER

Modify account Family and Friends number. It is implemented by the Java method `com.metasolv.cartridge.oss.eric_minsat_5_1.prov.Provisioning.modAccFafNumber`.

**Table 2-13 A\_ERIC-MINSAT\_5-1\_MOD\_ACC-FAF-NUMBER**

| Parameter Name          | Description                                      | Range | Default Value | Type | Class |
|-------------------------|--|-------|---------------|------|-------|
| MCLI                    | Remote Network Element name                      | N/A   | N/A           | S    | R     |
| MASTERSUBSCRIBER NUMBER | Master Subscriber number in international format | N/A   | N/A           | S    | R     |
| FAFNUMBER               | Family and Friends phone number                  | N/A   | N/A           | S    | R     |
| FAFINDICATOR            | Family and Friends indicator                     | N/A   | N/A           | S    | R     |

## MML commands

### MML Syntax :

```
SET:ACCOUNTFAFNUMBER:MasterSubscriberNumber,<Master Subscriber phone number>:FAFNumber,<FaF phone number>:FAFIndicator,<FAF indicator>;
```

where

<MasterSubscriberNumber> = Master Subscriber phone number

<FAFNumber> = FaF phone number

<FAFIndicator> = FAF indicator

### Output Parameters

ERMINSAT\_MOD\_ACC\_ERR\_CODE= User Exit Type.

## A\_ERIC-MINSAT\_5-1\_MOD\_ACC-FAF-NUMBER-RB

Rollback modify account Family and Friends number. It is implemented by the Java method `com.metasolv.cartridge.oss.eric_minsat_5_1.prov.Provisioning.modAccFafNumberRb`.

**Table 2-14 A\_ERIC-MINSAT\_5-1\_MOD\_ACC-FAF-NUMBER-RB**

| Parameter Name          | Description                                      | Range | Default Value | Type | Class |
|-------------------------|--|-------|---------------|------|-------|
| MCLI                    | Remote Network Element name                      | N/A   | N/A           | S    | R     |
| MASTERSUBSCRIBER NUMBER | Master Subscriber number in international format | N/A   | N/A           | S    | R     |
| OLD_FAFNUMBER           | Old Family and Friends phone number              | N/A   | N/A           | S    | R     |
| OLD_FAFINDICATOR        | Old Family and Friends indicator                 | N/A   | N/A           | S    | R     |

### MML commands

#### MML Syntax :

```
SET:ACCOUNTFAFNUMBER:MasterSubscriberNumber,<Master Subscriber phone number>:FAFNumber,<old_FaF phone number>:FAFIndicator,<old_FAF indicator>;
```

where

<MasterSubscriberNumber> = Master Subscriber phone number

<old\_FAFNumber> = Old value of FaF phone number

<old\_FAFIndicator> = Old value of FAF indicator

#### Output Parameters

ERMINSAT\_MOD\_ACC\_RB\_ERR\_CODE= User Exit Type.

## A\_ERIC-MINSAT\_5-1\_MOD\_SUB-FAF-NUMBER

Modify subscriber Family and Friends number. It is implemented by the Java method `com.metasolv.cartridge.oss.eric_minsat_5_1.prov.Provisioning.modSubFafNumber`.

**Table 2-15 A\_ERIC-MINSAT\_5-1\_MOD\_SUB-FAF-NUMBER**

| Parameter Name   | Description                               | Range | Default Value | Type | Class |
|------------------|---|-------|---------------|------|-------|
| MCLI             | Remote Network Element name               | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER | Subscriber number in international format | N/A   | N/A           | S    | R     |
| FAFNUMBER        | Family and Friends phone number           | N/A   | N/A           | S    | R     |
| FAFINDICATOR     | Family and Friends indicator              | N/A   | N/A           | S    | R     |

### MML commands

#### MML Syntax :

```
SET:SUBSCRIBERFAFNUMBER:SubscriberNumber,<Subscriber phone number>:FAFNumber,<FaF phone number>:FAFIndicator,<FAF indicator>;
```

where  
 <SubscriberNumber> = Subscriber phone number  
 <FAFNumber> = FaF phone number  
 <FAFIndicator> = FAF indicator

### Output Parameters

ERMINSAT\_MOD\_SUB\_ERR\_CODE= User Exit Type.

## A\_ERIC-MINSAT\_5-1\_MOD\_SUB-FAF-NUMBER-RB

Rollback modify subscriber Family and Friends number. It is implemented by the Java method `com.metasolv.cartridge.oss.eric_minsat_5_1.prov.Provisioning.modSubFafNumberRb`.

**Table 2-16 A\_ERIC-MINSAT\_5-1\_MOD\_SUB-FAF-NUMBER-RB**

| Parameter Name   | Description                               | Range | Default Value | Type | Class |
|------------------|---|-------|---------------|------|-------|
| MCLI             | Remote Network Element name               | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER | Subscriber number in international format | N/A   | N/A           | S    | R     |
| OLD_FAFNUMBER    | Family and Friends phone number           | N/A   | N/A           | S    | R     |
| OLD_FAFINDICATOR | Family and Friends indicator              | N/A   | N/A           | S    | R     |

### MML commands

#### MML Syntax :

```
SET:SUBSCRIBERFAFNUMBER:SubscriberNumber,<Subscriber phone number>:FAFNumber,<old_
FaF phone number>:FAFIndicator,<old_FAF indicator>;
```

where  
 <SubscriberNumber> = Subscriber phone number  
 <old\_FAFNumber> = Old value ofFaF phone number  
 <old\_FAFIndicator> = Old value of FAF indicator

### Output Parameters

ERMINSAT\_MOD\_SUB\_RB\_ERR\_CODE= User Exit Type.

## A\_ERIC-MINSAT\_5-1\_MOD\_SUB-PERSONALDETAILS

Update or set a subscriber personal details. It is implemented by the Java method `com.metasolv.cartridge.oss.eric_minsat_5_1.prov.Provisioning.modSubPersonalDetails`.

**Table 2-17 A\_ERIC-MINSAT\_5-1\_MOD\_SUB-PERSONALDETAILS**

| Parameter Name   | Description                               | Range | Default Value | Type | Class |
|------------------|---|-------|---------------|------|-------|
| MCLI             | Remote Network Element name               | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER | Subscriber number in international format | N/A   | N/A           | S    | R     |
| FIRSTNAME        | First Name                                | N/A   | N/A           | S    | R     |



**Table 2–17 (Cont.) A\_ERIC-MINSAT\_5-1\_MOD\_SUB-PERSONALDETAILS**

| Parameter Name | Description   | Range | Default Value | Type | Class |
|----------------|---|-------|---------------|------|-------|
| SURNAME        | Surname   | N/A   | N/A           | S    | R     |
| ADDRESS1       | Subscriber personal details 1                                       | N/A   | N/A           | S    | R     |
| ADDRESS2       | Subscriber personal details 2                                       | N/A   | N/A           | S    | O     |
| ADDRESS3       | Subscriber personal details 3                                       | N/A   | N/A           | S    | O     |
| ADDRESS4       | Subscriber personal details 4                                       | N/A   | N/A           | S    | O     |
| DATA1          | Generic customer data field 1 provided for Operator defined purpose | N/A   | N/A           | S    | O     |
| DATA2          | Generic customer data field 2 provided for Operator defined purpose | N/A   | N/A           | S    | O     |
| DATA3          | Generic customer data field 3 provided for Operator defined purpose | N/A   | N/A           | S    | O     |
| DATA4          | Generic customer data field 4 provided for Operator defined purpose | N/A   | N/A           | S    | O     |
| DATA5          | Generic customer data field 5 provided for Operator defined purpose | N/A   | N/A           | S    | O     |
| DATA6          | Generic customer data field 6 provided for Operator defined purpose | N/A   | N/A           | S    | O     |
| DATA7          | Generic customer data field 7 provided for Operator defined purpose | N/A   | N/A           | S    | O     |
| DATA8          | Generic customer data field 8 provided for Operator defined purpose | N/A   | N/A           | S    | O     |
| DATEOFBIRTH    | Date of birth   | N/A   | N/A           | S    | O     |

## MML commands

### MML Syntax :

```
SET:PERSONALDETAILS:SubscriberNumber,<Subscriber Phone
Number>:Address1,<Address>:Address2,<Address>:Address3,<Address>:Address4,<Address>
:Data1,<Data>:Data2,<Data>:Data3,<Data>:Data4,<Data>:Data5,<Data>:Data6,<Data>:Dat
a7,<Data>:Data8,<Data>:DateOfBirth,<DateOfBirth>:FirstName,<FirstName>:Surname,<Su
rname>;
```

where

```
< Subscriber Phone Number> = Subscriber phone number
<Address> = Subscriber personal details
<Data> = Generic customer data field
<DateOfBirth> = Date Of Birth
<FirstName> = First Name
<Surname> = Surname
```

### Output Parameters

ERMINSAT\_MOD\_SUB\_PER\_DET\_ERR\_CODE = User Exit Type.

ActivationDate

AmountAdded

AccountBalance

Currency  
DedicatedAccount1ID  
DedicatedAccount1Added  
DedicatedAccount1Balance  
DedicatedAccount1Date  
DedicatedAccount2ID  
DedicatedAccount2Added  
DedicatedAccount2Balance  
DedicatedAccount2Date  
DedicatedAccount3ID  
DedicatedAccount3Added  
DedicatedAccount3Balance  
DedicatedAccount3Date  
DedicatedAccount4ID  
DedicatedAccount4Added  
DedicatedAccount4Balance  
DedicatedAccount4Date  
DedicatedAccount5ID  
DedicatedAccount5Added  
DedicatedAccount5Balance  
DedicatedAccount5Date  
AccountFlagsAfter  
AccountFlagsBefore  
MasterSubscriberNumber  
NegativeBalanceBarDate  
PromotionProgressCount  
PromotionProgressValue  
PromotionRefillCount  
PromotionRefillValue  
RefillFraudCount

### **A\_ERIC-MINSAT\_5-1\_MOD\_SUB-PERSONALDETAILS-RB**

Rollback update or set a subscriber personal details. It is implemented by the Java method `com.metasolv.cartridge.oss.eric_minsat_5_1.prov.Provisioning.modSubPersonalDetailsRb`.

**Table 2-18 A\_ERIC-MINSAT\_5-1\_MOD\_SUB-PERSONALDETAILS-RB**

| Parameter Name   | Description   | Range | Default Value | Type | Class |
|------------------|---|-------|---------------|------|-------|
| MCLI             | Remote Network Element name   | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER | Subscriber number in international format   | N/A   | N/A           | S    | R     |
| FIRSTNAME        | First Name  | N/A   | N/A           | S    | R     |
| SURNAME          | Surname   | N/A   | N/A           | S    | R     |
| ADDRESS1         | Subscriber personal details 1   | N/A   | N/A           | S    | R     |
| OLD_ADDRESS2     | Old value for subscriber personal details 2                                       | N/A   | N/A           | S    | O     |
| OLD_ADDRESS3     | Old value for subscriber personal details 3                                       | N/A   | N/A           | S    | O     |
| OLD_ADDRESS4     | Old value for subscriber personal details 4                                       | N/A   | N/A           | S    | O     |
| OLD_DATA1        | Old value for generic customer data field 1 provided for Operator defined purpose | N/A   | N/A           | S    | O     |
| OLD_DATA2        | Old value for generic customer data field 2 provided for Operator defined purpose | N/A   | N/A           | S    | O     |
| OLD_DATA3        | Old value for generic customer data field 3 provided for Operator defined purpose | N/A   | N/A           | S    | O     |
| OLD_DATA4        | Old value for generic customer data field 4 provided for Operator defined purpose | N/A   | N/A           | S    | O     |
| OLD_DATA5        | Old value for generic customer data field 5 provided for Operator defined purpose | N/A   | N/A           | S    | O     |
| OLD_DATA6        | Old value for generic customer data field 6 provided for Operator defined purpose | N/A   | N/A           | S    | O     |
| OLD_DATA7        | Old value for generic customer data field 7 provided for Operator defined purpose | N/A   | N/A           | S    | O     |
| OLD_DATA8        | Old value for generic customer data field 8 provided for Operator defined purpose | N/A   | N/A           | S    | O     |
| OLD_DATEOFBIRTH  | Date Of Birth   | N/A   | N/A           | S    | O     |

**MML commands****MML Syntax :**

```
SET:PERSONALDETAILS:SubscriberNumber,<Subscriber Phone
Number>:Address1,<Address>:Address2,<Old_Address>:Address3,<Old_
Adress>:Address4,<Old_Address>:Data1,<Old_Data>:Data2,<Old_Data>:Data3,<Old_
Data>:Data4,<Old_Data>:Data5,<Old_Data>:Data6,<Old_Data>:Data7,<Old_
Data>:Data8,<Old_Data>:DateOfBirth,<Old_
DateOfBirth>:FirstName,<FirstName>:Surname,<Surname>;
```

where  
<SubscriberNumber> = Subscriber phone number  
<Address> = Subscriber personal details  
<Old\_Address> = Old value for subscriber personal details  
<Old\_Data> = Old value for generic customer data field  
<Old\_DateOfBirth> = Old value for date of birth  
<FirstName> = First name  
<Surname> = Surname

### **Output Parameters**

ERMINSAT\_MOD\_SUB\_PER\_DET\_RB\_ERR\_CODE = User Exit Type.

ActivationDate

AmountAdded

AccountBalance

Currency

DedicatedAccount1ID

DedicatedAccount1Added

DedicatedAccount1Balance

DedicatedAccount1Date

DedicatedAccount2ID

DedicatedAccount2Added

DedicatedAccount2Balance

DedicatedAccount2Date

DedicatedAccount3ID

DedicatedAccount3Added

DedicatedAccount3Balance

DedicatedAccount3Date

DedicatedAccount4ID

DedicatedAccoun4Added

DedicatedAccount4Balance

DedicatedAccount4Date

DedicatedAccount5ID

DedicatedAccount5Added

DedicatedAccount5Balance

DedicatedAccount5Date

AccountFlagsAfter

AccountFlagsBefore

MasterSubscriberNumber

NegativeBalanceBarDate

PromotionProgressCount

PromotionProgressValue  
 PromotionRefillCount  
 PromotionRefillValue  
 RefillFraudCount

## A\_ERIC-MINSAT\_5-1\_MOD\_SUBSCRIBER

Modify a subscriber service class. It is implemented by the Java method `com.metasolv.cartridge.oss.eric_minsat_5_1.prov.Provisioning.modSubscriber`.

**Table 2-19 A\_ERIC-MINSAT\_5-1\_MOD\_SUBSCRIBER**

| Parameter Name   | Description                               | Range | Default Value | Type | Class |
|------------------|---|-------|---------------|------|-------|
| MCLI             | Remote Network Element name               | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER | Subscriber number in international format | N/A   | N/A           | S    | R     |
| OLDSERVICECLASS  | Service class                             | N/A   | N/A           | S    | R     |
| NEWSERVICECLASS  | Service class                             | N/A   | N/A           | S    | R     |

### MML commands

#### MML Syntax :

```
SET:ACCOUNTSERVICECLASS:SubscriberNumber,<SubscriberIdentifier>:OldServiceClass,<Old service Class>:NewServiceClass,<New Service Class>;
```

where

```
<SubscriberIdentifier> = Subscriber phone number  

<Old service Class> = Service class  

<New Service Class> = Service classsss
```

#### Output Parameters

ERMINSAT\_MOD\_SUBSCRIBER\_ERR\_CODE= User Exit Type.

AccountFlagsAfter  
 AccountFlagsBefore  
 Currency  
 CurrencyLabel  
 CurrencySymbol  
 DedicatedAccount1ClearedValue  
 DedicatedAccount1ID  
 DedicatedAccount2ClearedValue  
 DedicatedAccount2ID  
 DedicatedAccount3ClearedValue  
 DedicatedAccount3ID  
 DedicatedAccount4ClearedValue

DedicatedAccount4ID  
 DedicatedAccount5ClearedValue  
 DedicatedAccount5ID  
 NegativeBalanceBarDate  
 ResponseDateTime  
 Status

## A\_ERIC-MINSAT\_5-1\_MOD\_SUBSCRIBER-RB

Rollback modify a subscriber service class. It is implemented by the Java method `com.metasolv.cartridge.oss.eric_minsat_5_1.prov.Provisioning.modSubscriberRb`.

**Table 2–20 A\_ERIC-MINSAT\_5-1\_MOD\_SUBSCRIBER-RB**

| Parameter Name   | Description                               | Range | Default Value | Type | Class |
|------------------|---|-------|---------------|------|-------|
| MCLI             | Remote Network Element name               | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER | Subscriber number in international format | N/A   | N/A           | S    | R     |
| OLDSERVICECLASS  | Service class                             | N/A   | N/A           | S    | R     |
| NEWSERVICECLASS  | Service class                             | N/A   | N/A           | S    | R     |

### MML commands

#### MML Syntax :

```
SET:ACCOUNTSERVICECLASS:SubscriberNumber,<SubscriberIdentifier>:OldServiceClass,<New service Class>:NewServiceClass,<Old Service Class>;
```

where

<SubscriberIdentifier> = Subscriber phone number

<Old service Class> = Service class

<New Service Class> = Service class

#### Output Parameters

ERMINSAT\_MOD\_SUBSCRIBER\_RB\_ERR\_CODE= User Exit Type.

AccountFlagsAfter

AccountFlagsBefore

Currency

CurrencyLabel

CurrencySymbol

DedicatedAccount1ClearedValue

DedicatedAccount1ID

DedicatedAccount2ClearedValue

DedicatedAccount2ID

DedicatedAccount3ClearedValue

DedicatedAccount3ID  
 DedicatedAccount4ClearedValue  
 DedicatedAccount4ID  
 DedicatedAccount5ClearedValue  
 DedicatedAccount5ID  
 NegativeBalanceBarDate  
 ResponseDateTime  
 Status

## 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's Guide* and the *ASAP System Administrator's 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>
<b><searchPattern>101-110[201-215]</searchPattern>...4</b>
<b><userType>U_SOFT_FAIL</userType></b>
<baseType>SOFT_FAIL</baseType>
<description>The ASDL has encountered a soft failure. Processing will
continue.</description>
</userDefinedExitType>
<userDefinedExitType>
<b><searchPattern>801-850</searchPattern>...5</b>
<b><userType>U_MINOR_ERROR</userType></b>
<baseType>SOFT_FAIL</baseType>
<description>The ASDL has encountered a soft failure. Processing will
continue.</description>
</userDefinedExitType>
<userDefinedExitType>
<b><searchPattern>251-275&&[^261-265]</searchPattern>...6</b>
<b><userType>U_DELAYED_FAIL</userType></b>
<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 numbered elements highlighted in bold in the previous code sample are explained as follows:

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.
6. 251 to 275 but not 261 to 265 will translate to a base type of DELAYED\_FAILURE.

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 the *ASAP Developer's Guide*.

## User Defined ASDL Exit Types

The following table lists the user defined ASDL exit types.

**Table 2–21 User Defined ASDL Exit Types**

| Search Pattern                                    | User Type            | Base Type | Description   |
|---|----------------------|-----------|---|
| <code>((s).)*RESP:0[;:](s).*</code>               | ERMINSAT_EXECUTED    | SUCCEED   | Provisioning command successful                                   |
| <code>((s).)*ProvCartridgeException((s).)*</code> | ERMINSAT_PROVCARTEXP | FAIL      | The NE command was denied due to Provisioning cartridge Exception |
| <code>((s).)*IOException((s).)*</code>            | ERMINSAT_IOEXCEPTION | RETRY_DIS | The NE command was denied due to IO exception                     |
| <code>((s).)*TelnetException((s).)*</code>        | ERMINSAT_TELNETEXCEP | RETRY_DIS | The NE command was denied due to telnet exception                 |
| <code>((s).)*Generic Exception((s).)*</code>      | ERMINSAT_EXCEPTION   | FAIL      | The NE command was denied due to general exception                |
| Enter command:                                    | ERMINSAT_LOOPBACK_OK | SUCCEED   | Loopback succeed prompt   |
| <code>((s).)*RESP:1[;:](s).*</code>               | ERMINSAT_RESP_1      | FAIL      | Syntax error.   |
| <code>((s).)*RESP:2[;:](s).*</code>               | ERMINSAT_RESP_2      | FAIL      | Mandatory parameter missing.                                      |
| <code>((s).)*RESP:3[;:](s).*</code>               | ERMINSAT_RESP_3      | FAIL      | Lack of storage space in subscriber. data file.                   |
| <code>((s).)*RESP:4[;:](s).*</code>               | ERMINSAT_RESP_4      | FAIL      | Lack of storage space in IMSI analysis file.                      |
| <code>((s).)*RESP:5[;:](s).*</code>               | ERMINSAT_RESP_5      | FAIL      | lack of storage space in MSISDN analysis file.                    |
| <code>((s).)*RESP:6[;:](s).*</code>               | ERMINSAT_RESP_6      | FAIL      | Subscriber authentication data not found.                         |
| <code>((s).)*RESP:7[;:](s).*</code>               | ERMINSAT_RESP_7      | FAIL      | No connection to authentication centre.                           |
| <code>((s).)*RESP:8[;:](s).*</code>               | ERMINSAT_RESP_8      | FAIL      | Time out while fetching authentication data.                      |
| <code>((s).)*RESP:9[;:](s).*</code>               | ERMINSAT_RESP_9      | FAIL      | IMSI is prefix of existing IMSI.                                  |
| <code>((s).)*RESP:10[;:](s).*</code>              | ERMINSAT_RESP_10     | FAIL      | There is an IMSI prefix ofthe IMSI.                               |
| <code>((s).)*RESP:11[;:](s).*</code>              | ERMINSAT_RESP_11     | FAIL      | MSISDN is prefix of existing MSISDN.                              |

**Table 2–21 (Cont.) User Defined ASDL Exit Types**

| Search Pattern               | User Type        | Base Type | Description                                    |
|------------------------------|------------------|-----------|--|
| ((?s).)*RESP:12[;:]( (?s).)* | ERMINSAT_RESP_12 | FAIL      | There is a MSISDN prefix of the MSISDN.        |
| ((?s).)*RESP:13[;:]( (?s).)* | ERMINSAT_RESP_13 | FAIL      | IMSI is not defined.                           |
| ((?s).)*RESP:14[;:]( (?s).)* | ERMINSAT_RESP_14 | FAIL      | MSISDN is not defined.                         |
| ((?s).)*RESP:15[;:]( (?s).)* | ERMINSAT_RESP_15 | FAIL      | Subscriber data not recognized.                |
| ((?s).)*RESP:16[;:]( (?s).)* | ERMINSAT_RESP_16 | FAIL      | Supplementary service not recognized.          |
| ((?s).)*RESP:17[;:]( (?s).)* | ERMINSAT_RESP_17 | FAIL      | Supplementary service not provided.            |
| ((?s).)*RESP:18[;:]( (?s).)* | ERMINSAT_RESP_18 | FAIL      | Supplementary service not applicable.          |
| ((?s).)*RESP:19[;:]( (?s).)* | ERMINSAT_RESP_19 | FAIL      | Forward-to-number restricted.                  |
| ((?s).)*RESP:25[;:]( (?s).)* | ERMINSAT_RESP_25 | FAIL      | Attribute not applicable.                      |
| ((?s).)*RESP:26[;:]( (?s).)* | ERMINSAT_RESP_26 | FAIL      | Forward to number missing.                     |
| ((?s).)*RESP:27[;:]( (?s).)* | ERMINSAT_RESP_27 | FAIL      | Operation not allowed due to interact.         |
| ((?s).)*RESP:32[;:]( (?s).)* | ERMINSAT_RESP_32 | FAIL      | Subscriber data not applicable.                |
| ((?s).)*RESP:33[;:]( (?s).)* | ERMINSAT_RESP_33 | FAIL      | Operation not allowed due to current location. |
| ((?s).)*RESP:41[;:]( (?s).)* | ERMINSAT_RESP_41 | FAIL      | BSG not subscribed.                            |
| ((?s).)*RESP:43[;:]( (?s).)* | ERMINSAT_RESP_43 | FAIL      | not recognized.                                |
| ((?s).)*RESP:44[;:]( (?s).)* | ERMINSAT_RESP_44 | FAIL      | not applicable to specified BSG.               |
| ((?s).)*RESP:47[;:]( (?s).)* | ERMINSAT_RESP_47 | FAIL      | limit of numbers reached.                      |
| ((?s).)*RESP:48[;:]( (?s).)* | ERMINSAT_RESP_48 | FAIL      | it not an additional MSISDN.                   |
| ((?s).)*RESP:51[;:]( (?s).)* | ERMINSAT_RESP_51 | FAIL      | Storage shortage in data file.                 |
| ((?s).)*RESP:55[;:]( (?s).)* | ERMINSAT_RESP_55 | FAIL      | BC not defined.                                |
| ((?s).)*RESP:57[;:]( (?s).)* | ERMINSAT_RESP_57 | FAIL      | BC out of range.                               |
| ((?s).)*RESP:61[;:]( (?s).)* | ERMINSAT_RESP_61 | FAIL      | SS not applicable to any subscribed BSG.       |
| ((?s).)*RESP:62[;:]( (?s).)* | ERMINSAT_RESP_62 | FAIL      | Supplementary service not registered.          |
| ((?s).)*RESP:64[;:]( (?s).)* | ERMINSAT_RESP_64 | FAIL      | Change-over not initiated.                     |
| ((?s).)*RESP:66[;:]( (?s).)* | ERMINSAT_RESP_66 | FAIL      | Change-over still pending.                     |
| ((?s).)*RESP:68[;:]( (?s).)* | ERMINSAT_RESP_68 | FAIL      | BC represents a BS not supported.              |
| ((?s).)*RESP:73[;:]( (?s).)* | ERMINSAT_RESP_73 | FAIL      | Subscriber disconnection in process.           |
| ((?s).)*RESP:75[;:]( (?s).)* | ERMINSAT_RESP_75 | FAIL      | Functionality not supported by this exchange.  |

Table 2–21 (Cont.) User Defined ASDL Exit Types

| Search Pattern              | User Type         | Base Type | Description   |
|-----------------------------|-------------------|-----------|---|
| ((s).)*RESP:76[;:](?(s).)*  | ERMINSAT_RESP_76  | FAIL      | Closed user group not applicable to bsg.  |
| ((s).)*RESP:77[;:](?(s).)*  | ERMINSAT_RESP_77  | FAIL      | Index already defined.  |
| ((s).)*RESP:78[;:](?(s).)*  | ERMINSAT_RESP_78  | FAIL      | Interlock code already defined.   |
| ((s).)*RESP:79[;:](?(s).)*  | ERMINSAT_RESP_79  | FAIL      | Basic service group included more than once.  |
| ((s).)*RESP:80[;:](?(s).)*  | ERMINSAT_RESP_80  | FAIL      | Updating closed user group data.  |
| ((s).)*RESP:81[;:](?(s).)*  | ERMINSAT_RESP_81  | FAIL      | Closed user group not applicable to any bsg.  |
| ((s).)*RESP:82[;:](?(s).)*  | ERMINSAT_RESP_82  | FAIL      | Max number of closed user groups reached.   |
| ((s).)*RESP:83[;:](?(s).)*  | ERMINSAT_RESP_83  | FAIL      | Basic service group erase not allowed.  |
| ((s).)*RESP:84[;:](?(s).)*  | ERMINSAT_RESP_84  | FAIL      | Index not defined.  |
| ((s).)*RESP:85[;:](?(s).)*  | ERMINSAT_RESP_85  | FAIL      | MSISDN not defined as closed.   |
| ((s).)*RESP:86[;:](?(s).)*  | ERMINSAT_RESP_86  | FAIL      | user group Bsg not defined within any closed user group.                                      |
| ((s).)*RESP:87[;:](?(s).)*  | ERMINSAT_RESP_87  | FAIL      | Bsg not defined within a given pcsug.   |
| ((s).)*RESP:88[;:](?(s).)*  | ERMINSAT_RESP_88  | FAIL      | Pcsug not defined as index.   |
| ((s).)*RESP:89[;:](?(s).)*  | ERMINSAT_RESP_89  | FAIL      | Pcsug not allowed.  |
| ((s).)*RESP:90[;:](?(s).)*  | ERMINSAT_RESP_90  | FAIL      | Interlock code not defined.   |
| ((s).)*RESP:102[;:](?(s).)* | ERMINSAT_RESP_102 | FAIL      | Odd number of characters in sub address.  |
| ((s).)*RESP:115[;:](?(s).)* | ERMINSAT_RESP_115 | FAIL      | Restriction not allowed.  |
| ((s).)*RESP:116[;:](?(s).)* | ERMINSAT_RESP_116 | FAIL      | Index erasure not allowed.  |
| ((s).)*RESP:117[;:](?(s).)* | ERMINSAT_RESP_117 | FAIL      | Collective basic service group not allowed.   |
| ((s).)*RESP:149[;:](?(s).)* | ERMINSAT_RESP_149 | FAIL      | No translation defined for the IMSI.  |
| ((s).)*RESP:150[;:](?(s).)* | ERMINSAT_RESP_150 | FAIL      | Storage shortage in MSISDN analysis file for flexible numbering.                              |
| ((s).)*RESP:151[;:](?(s).)* | ERMINSAT_RESP_151 | FAIL      | Storage shortage in routing data file for flexible numbering.                                 |
| ((s).)*RESP:159[;:](?(s).)* | ERMINSAT_RESP_159 | FAIL      | Bearer Capability number is not permitted.  |
| ((s).)*RESP:167[;:](?(s).)* | ERMINSAT_RESP_167 | FAIL      | The mobility management IN triggering subscription data are being updated for the subscriber. |

Table 2–21 (Cont.) User Defined ASDL Exit Types

| Search Pattern               | User Type         | Base Type | Description   |
|------------------------------|-------------------|-----------|---|
| ((?s).*RESP:168[;:](?(?s).)* | ERMINSAT_RESP_168 | FAIL      | Detection Point already defined.  |
| ((?s).*RESP:169[;:](?(?s).)* | ERMINSAT_RESP_169 | FAIL      | Detection Point not defined.  |
| ((?s).*RESP:170[;:](?(?s).)* | ERMINSAT_RESP_170 | FAIL      | The detection point is activated for the subscriber.                            |
| ((?s).*RESP:172[;:](?(?s).)* | ERMINSAT_RESP_172 | FAIL      | Detection Point value not allowed.  |
| ((?s).*RESP:173[;:](?(?s).)* | ERMINSAT_RESP_173 | FAIL      | Maximum number of Trigger Detection Points has been reached for the subscriber. |
| ((?s).*RESP:174[;:](?(?s).)* | ERMINSAT_RESP_174 | FAIL      | Too many detection points specified.  |
| ((?s).*RESP:175[;:](?(?s).)* | ERMINSAT_RESP_175 | FAIL      | GSM Service Control Function address is not defined.                            |
| ((?s).*RESP:187[;:](?(?s).)* | ERMINSAT_RESP_187 | FAIL      | Updating CAMEL subscription.  |
| ((?s).*RESP:188[;:](?(?s).)* | ERMINSAT_RESP_188 | FAIL      | data in progress for the subscriber CAMEL subscription data not defined.        |
| ((?s).*RESP:189[;:](?(?s).)* | ERMINSAT_RESP_189 | FAIL      | Parameter value not supported by this exchange.                                 |
| ((?s).*RESP:190[;:](?(?s).)* | ERMINSAT_RESP_190 | FAIL      | MSISDN is defined as an additionalMSISDN.                                       |
| ((?s).*RESP:195[;:](?(?s).)* | ERMINSAT_RESP_195 | FAIL      | IMSI does not belong to operator.   |
| ((?s).*RESP:197[;:](?(?s).)* | ERMINSAT_RESP_197 | FAIL      | MSISDN not connected to an IMSI in the FNR. Probably exported or other number.  |
| ((?s).*RESP:200[;:](?(?s).)* | ERMINSAT_RESP_200 | FAIL      | Storage shortage in BSG data file.  |
| ((?s).*RESP:431[;:](?(?s).)* | ERMINSAT_RESP_431 | FAIL      | HMSI already defined.   |
| ((?s).*RESP:432[;:](?(?s).)* | ERMINSAT_RESP_432 | FAIL      | VMSI already defined.   |
| ((?s).*RESP:433[;:](?(?s).)* | ERMINSAT_RESP_433 | FAIL      | Parameter error (IMSI)  |
| ((?s).*RESP:434[;:](?(?s).)* | ERMINSAT_RESP_434 | FAIL      | HMSI-VMSI Pair exists.  |
| ((?s).*RESP:435[;:](?(?s).)* | ERMINSAT_RESP_435 | FAIL      | Parameter error (MIN).  |
| ((?s).*RESP:436[;:](?(?s).)* | ERMINSAT_RESP_436 | FAIL      | Parameter error (HLR).  |
| ((?s).*RESP:437[;:](?(?s).)* | ERMINSAT_RESP_437 | FAIL      | Parameter error (ESN).  |
| ((?s).*RESP:438[;:](?(?s).)* | ERMINSAT_RESP_438 | FAIL      | RFG 100 Database not accessible.  |
| ((?s).*RESP:440[;:](?(?s).)* | ERMINSAT_RESP_440 | FAIL      | VMSI Does not exist.  |
| ((?s).*RESP:444[;:](?(?s).)* | ERMINSAT_RESP_444 | FAIL      | HMSI Does not exist.  |
| ((?s).*RESP:445[;:](?(?s).)* | ERMINSAT_RESP_445 | FAIL      | HMSI/VMSI Mismatch.   |

Table 2–21 (Cont.) User Defined ASDL Exit Types

| Search Pattern               | User Type           | Base Type | Description  |
|------------------------------|---------------------|-----------|--|
| ((?s).*RESP:1001[;:](?s).)*  | ERMINSAT_RESP_1001  | FAIL      | CAI_NE_FATAL-NE link-External system communication link failure.                                 |
| ((?s).*RESP:1002[;:](?s).)*  | ERMINSAT_RESP_1002  | FAIL      | CAI_NE_FATAL-NE link-External system error.  |
| ((?s).*RESP:1003[;:](?s).)*  | ERMINSAT_RESP_1003  | FAIL      | CAI_NE_FATAL-NE link-Inconsistency in NE data.   |
| ((?s).*RESP:2001[;:](?s).)*  | ERMINSAT_RESP_2001  | FAIL      | CAI_APP_FATAL-Application database error.  |
| ((?s).*RESP:2002[;:](?s).)*  | ERMINSAT_RESP_2002  | FAIL      | CAI_APP_FATAL- Internal application error.   |
| ((?s).*RESP:3001[;:](?s).)*  | ERMINSAT_RESP_3001  | FAIL      | Invalid command.   |
| ((?s).*RESP:3002[;:](?s).)*  | ERMINSAT_RESP_3002  | FAIL      | Operation not supported.   |
| ((?s).*RESP:3003[;:](?s).)*  | ERMINSAT_RESP_3003  | FAIL      | Unknown managed object.  |
| ((?s).*RESP:3004[;:](?s).)*  | ERMINSAT_RESP_3004  | FAIL      | Insufficient parameters.   |
| ((?s).*RESP:3005[;:](?s).)*  | ERMINSAT_RESP_3005  | FAIL      | Invalid argument or out of range.  |
| ((?s).*RESP:3006[;:](?s).)*  | ERMINSAT_RESP_3006  | FAIL      | Operator ID/password invalid.  |
| ((?s).*RESP:3007[;:](?s).)*  | ERMINSAT_RESP_3007  | FAIL      | Rejection. Must log on first.  |
| ((?s).*RESP:3008[;:](?s).)*  | ERMINSAT_RESP_3008  | FAIL      | Invalid command sequence.  |
| ((?s).*RESP:3010[;:](?s).)*  | ERMINSAT_RESP_3010  | FAIL      | Invalid license.   |
| ((?s).*RESP:3011[;:](?s).)*  | ERMINSAT_RESP_3011  | FAIL      | License expired.   |
| ((?s).*RESP:3012[;:](?s).)*  | ERMINSAT_RESP_3012  | FAIL      | Not authorized.  |
| ((?s).*RESP:3013[;:](?s).)*  | ERMINSAT_RESP_3013  | FAIL      | Fault in the DC file.  |
| ((?s).*RESP:6001[;:](?s).)*  | ERMINSAT_RESP_6001  | FAIL      | The subscriber does not exist.   |
| ((?s).*RESP:6101[;:](?s).)*  | ERMINSAT_RESP_6101  | FAIL      | The account does not exist.  |
| ((?s).*RESP:-1000[;:](?s).)* | ERMINSAT_RESP_-1000 | FAIL      | Fatal internal error- %s. Please report this to your System Administrator                        |
| ((?s).*RESP:-1001[;:](?s).)* | ERMINSAT_RESP_-1001 | FAIL      | Access denied to user request.   |
| ((?s).*RESP:-1002[;:](?s).)* | ERMINSAT_RESP_-1002 | FAIL      | Warning- operation succeeded, but could not be logged. Please contact your system Administrator. |
| ((?s).*RESP:-1251[;:](?s).)* | ERMINSAT_RESP_-1251 | FAIL      | Primary Host Name is mandatory   |
| ((?s).*RESP:-1252[;:](?s).)* | ERMINSAT_RESP_-1252 | FAIL      | Primary Host Port number is mandatory  |
| ((?s).*RESP:-1253[;:](?s).)* | ERMINSAT_RESP_-1253 | FAIL      | Connection ID must be specified  |
| ((?s).*RESP:-1254[;:](?s).)* | ERMINSAT_RESP_-1254 | FAIL      | Connection Password must be specified  |

**Table 2–21 (Cont.) User Defined ASDL Exit Types**

| Search Pattern                 | User Type           | Base Type | Description   |
|--------------------------------|---------------------|-----------|---|
| ((?s).*RESP:-1255[;:](?(?s).)* | ERMINSAT_RESP_-1255 | FAIL      | Fallback Host Name is mandatory   |
| ((?s).*RESP:-1256[;:](?(?s).)* | ERMINSAT_RESP_-1256 | FAIL      | Fallback Host Port number is mandatory  |
| ((?s).*RESP:-1260[;:](?(?s).)* | ERMINSAT_RESP_-1260 | FAIL      | Profile not found in the Profile Reference table.   |
| ((?s).*RESP:-1261[;:](?(?s).)* | ERMINSAT_RESP_-1261 | FAIL      | Cannot delete this profile. It is assigned to one or more users.                            |
| ((?s).*RESP:-1262[;:](?(?s).)* | ERMINSAT_RESP_-1262 | FAIL      | Cannot add this profile. The name is already in the profile list.                           |
| ((?s).*RESP:-1263[;:](?(?s).)* | ERMINSAT_RESP_-1263 | FAIL      | Insert into ProgClassRunControl table failed. (CanIRun must be Y or N)                      |
| ((?s).*RESP:-1264[;:](?(?s).)* | ERMINSAT_RESP_-1264 | FAIL      | Insert into ProgClassRunParameter table fail.   |
| ((?s).*RESP:-1265[;:](?(?s).)* | ERMINSAT_RESP_-1265 | FAIL      | Must have at least one feature  |
| ((?s).*RESP:-2001[;:](?(?s).)* | ERMINSAT_RESP_-2001 | FAIL      | Invalid Subscriber  |
| ((?s).*RESP:-2101[;:](?(?s).)* | ERMINSAT_RESP_-2101 | FAIL      | Voucher Type does not exist   |
| ((?s).*RESP:-2102[;:](?(?s).)* | ERMINSAT_RESP_-2102 | FAIL      | Voucher Type already exists   |
| ((?s).*RESP:-2103[;:](?(?s).)* | ERMINSAT_RESP_-2103 | FAIL      | UnblockedExchangeValue is in use or will cause a conflict with service BlockedExchangeValue |
| ((?s).*RESP:-2104[;:](?(?s).)* | ERMINSAT_RESP_-2104 | FAIL      | Cannot delete Voucher Type. It is referenced by an unused Voucher                           |
| ((?s).*RESP:-2105[;:](?(?s).)* | ERMINSAT_RESP_-2105 | FAIL      | Cannot delete Voucher Type. It is referenced by Voucher Segmentation                        |
| ((?s).*RESP:-2106[;:](?(?s).)* | ERMINSAT_RESP_-2106 | FAIL      | Voucher Segment does not exist  |
| ((?s).*RESP:-2107[;:](?(?s).)* | ERMINSAT_RESP_-2107 | FAIL      | Voucher Segment already exists  |
| ((?s).*RESP:-2108[;:](?(?s).)* | ERMINSAT_RESP_-2108 | FAIL      | Algorithm Does not exist.   |
| ((?s).*RESP:-2109[;:](?(?s).)* | ERMINSAT_RESP_-2109 | FAIL      | Cannot have Overwrite Algorithm with Unit only type voucher, use Cumulative/Best of         |
| ((?s).*RESP:-2111[;:](?(?s).)* | ERMINSAT_RESP_-2111 | FAIL      | VoucherType cannot be null.   |
| ((?s).*RESP:-2112[;:](?(?s).)* | ERMINSAT_RESP_-2112 | FAIL      | Cannot Delete Tariff - If the code is required then update it instead                       |
| ((?s).*RESP:-2113[;:](?(?s).)* | ERMINSAT_RESP_-2113 | FAIL      | Cannot Change Voucher Number Length because Vouchers Exist                                  |

**Table 2–21 (Cont.) User Defined ASDL Exit Types**

| Search Pattern                | User Type           | Base Type | Description   |
|-------------------------------|---------------------|-----------|---|
| ((?s).)*RESP:-2114[;:](??s.)* | ERMINSAT_RESP_-2114 | FAIL      | Invalid TariffExchangeValue for this Subscriber.                        |
| ((?s).)*RESP:-2115[;:](??s.)* | ERMINSAT_RESP_-2115 | FAIL      | Voucher Segment does not exist to handle this topup                     |
| ((?s).)*RESP:-2116[;:](??s.)* | ERMINSAT_RESP_-2116 | FAIL      | Cannot have default Unit Only Algorithm when specified Days is not zero |
| ((?s).)*RESP:-2117[;:](??s.)* | ERMINSAT_RESP_-2117 | FAIL      | Number of Days exceeds Voucher Max Days                                 |
| ((?s).)*RESP:-2118[;:](??s.)* | ERMINSAT_RESP_-2118 | FAIL      | Must have zero Actual value if AddUnits is not set                      |
| ((?s).)*RESP:-2119[;:](??s.)* | ERMINSAT_RESP_-2119 | FAIL      | Must have zero Actual value if AddUnits is not set                      |
| ((?s).)*RESP:-2120[;:](??s.)* | ERMINSAT_RESP_-2120 | FAIL      | Cannot modify the UnBlockedExchangeValue                                |
| ((?s).)*RESP:-2121[;:](??s.)* | ERMINSAT_RESP_-2121 | FAIL      | Voucher Number Length must be 8-15                                      |
| ((?s).)*RESP:-2122[;:](??s.)* | ERMINSAT_RESP_-2122 | FAIL      | Deactivate Days not set for specified value                             |
| ((?s).)*RESP:-2123[;:](??s.)* | ERMINSAT_RESP_-2123 | FAIL      | ExpiryDays already exists   |
| ((?s).)*RESP:-2124[;:](??s.)* | ERMINSAT_RESP_-2124 | FAIL      | Voucher Number Length must be Numeric                                   |
| ((?s).)*RESP:-2125[;:](??s.)* | ERMINSAT_RESP_-2125 | FAIL      | Vouchers exist for given demonination, update only                      |
| ((?s).)*RESP:-3004[;:](??s.)* | ERMINSAT_RESP_-3004 | FAIL      | FaF Number is on black list , retry with new number                     |
| ((?s).)*RESP:-3005[;:](??s.)* | ERMINSAT_RESP_-3005 | FAIL      | Invalid TariffExchange specified for Subscriber                         |
| ((?s).)*RESP:-3006[;:](??s.)* | ERMINSAT_RESP_-3006 | FAIL      | Voucher Value cannot have decimals                                      |
| ((?s).)*RESP:-3007[;:](??s.)* | ERMINSAT_RESP_-3007 | FAIL      | Failed to Insert CDR Records  |
| ((?s).)*RESP:-3008[;:](??s.)* | ERMINSAT_RESP_-3008 | FAIL      | Could not update MaxCDRID for New Subscriber                            |
| ((?s).)*RESP:-3009[;:](??s.)* | ERMINSAT_RESP_-3009 | FAIL      | Could not get next CDRID for New Subscriber                             |
| ((?s).)*RESP:-3010[;:](??s.)* | ERMINSAT_RESP_-3010 | FAIL      | Subscriber number not found   |
| ((?s).)*RESP:-3011[;:](??s.)* | ERMINSAT_RESP_-3011 | FAIL      | Subscriber number already exists  |
| ((?s).)*RESP:-3012[;:](??s.)* | ERMINSAT_RESP_-3012 | FAIL      | Voucher is already used by another Subscriber %s                        |
| ((?s).)*RESP:-3013[;:](??s.)* | ERMINSAT_RESP_-3013 | FAIL      | Voucher already exists  |
| ((?s).)*RESP:-3014[;:](??s.)* | ERMINSAT_RESP_-3014 | FAIL      | Invalid Voucher number  |
| ((?s).)*RESP:-3015[;:](??s.)* | ERMINSAT_RESP_-3015 | FAIL      | Voucher number not found  |
| ((?s).)*RESP:-3016[;:](??s.)* | ERMINSAT_RESP_-3016 | FAIL      | SIM number already assigned to another Subscriber                       |

**Table 2–21 (Cont.) User Defined ASDL Exit Types**

| <b>Search Pattern</b>          | <b>User Type</b>    | <b>Base Type</b> | <b>Description</b>  |
|--------------------------------|---------------------|------------------|---|
| ((?s).*RESP:-3017[;:](?(?s).)* | ERMINSAT_RESP_-3017 | FAIL             | No more used Vouchers   |
| ((?s).*RESP:-3018[;:](?(?s).)* | ERMINSAT_RESP_-3018 | FAIL             | Mobile Card Number (SIM) not found  |
| ((?s).*RESP:-3019[;:](?(?s).)* | ERMINSAT_RESP_-3019 | FAIL             | Voucher Serial number not found   |
| ((?s).*RESP:-3021[;:](?(?s).)* | ERMINSAT_RESP_-3021 | FAIL             | Subscriber number must be in International format                             |
| ((?s).*RESP:-3022[;:](?(?s).)* | ERMINSAT_RESP_-3022 | FAIL             | No entries in HLRDispatch table, please contact system support                |
| ((?s).*RESP:-3023[;:](?(?s).)* | ERMINSAT_RESP_-3023 | FAIL             | Cannot change SIM as new IMSI number will point subscriber to a different HLR |
| ((?s).*RESP:-3024[;:](?(?s).)* | ERMINSAT_RESP_-3024 | FAIL             | IMSI number already used by another Subscriber                                |
| ((?s).*RESP:-3025[;:](?(?s).)* | ERMINSAT_RESP_-3025 | FAIL             | SIM number already used by another Subscriber                                 |
| ((?s).*RESP:-3026[;:](?(?s).)* | ERMINSAT_RESP_-3026 | FAIL             | Voucher Serial number already exists  |
| ((?s).*RESP:-3027[;:](?(?s).)* | ERMINSAT_RESP_-3027 | FAIL             | Invalid Voucher Number Length   |
| ((?s).*RESP:-3030[;:](?(?s).)* | ERMINSAT_RESP_-3030 | FAIL             | Rebate value is above allowed limit   |
| ((?s).*RESP:-3050[;:](?(?s).)* | ERMINSAT_RESP_-3050 | FAIL             | Invalid user for this application   |
| ((?s).*RESP:-3051[;:](?(?s).)* | ERMINSAT_RESP_-3051 | FAIL             | Password has expired  |
| ((?s).*RESP:-3052[;:](?(?s).)* | ERMINSAT_RESP_-3052 | FAIL             | User not found  |
| ((?s).*RESP:-3053[;:](?(?s).)* | ERMINSAT_RESP_-3053 | FAIL             | All login parameters must be given  |
| ((?s).*RESP:-3054[;:](?(?s).)* | ERMINSAT_RESP_-3054 | FAIL             | User already exists   |
| ((?s).*RESP:-3056[;:](?(?s).)* | ERMINSAT_RESP_-3056 | FAIL             | Invalid Business Plan Id  |
| ((?s).*RESP:-3057[;:](?(?s).)* | ERMINSAT_RESP_-3057 | FAIL             | Cannot delete this User   |
| ((?s).*RESP:-3060[;:](?(?s).)* | ERMINSAT_RESP_-3060 | FAIL             | No credit card limit(s) defined   |
| ((?s).*RESP:-3061[;:](?(?s).)* | ERMINSAT_RESP_-3061 | FAIL             | Credit card value is above allowed limit                                      |
| ((?s).*RESP:-3062[;:](?(?s).)* | ERMINSAT_RESP_-3062 | FAIL             | Credit card value is below allowedlimit                                       |
| ((?s).*RESP:-3063[;:](?(?s).)* | ERMINSAT_RESP_-3063 | FAIL             | Rebate value is above allowed limit   |
| ((?s).*RESP:-3064[;:](?(?s).)* | ERMINSAT_RESP_-3064 | FAIL             | Rebate value is below allowed limit   |
| ((?s).*RESP:-3065[;:](?(?s).)* | ERMINSAT_RESP_-3065 | FAIL             | Debit value is above allowed limit  |
| ((?s).*RESP:-3066[;:](?(?s).)* | ERMINSAT_RESP_-3066 | FAIL             | Debit value is below allowed limit  |



**Table 2–21 (Cont.) User Defined ASDL Exit Types**

| Search Pattern            | User Type           | Base Type | Description  |
|---------------------------|---------------------|-----------|--|
| ((s.)*RESP:-3067[;:](s.)* | ERMINSAT_RESP_-3067 | FAIL      | Cannot debit below initial value   |
| ((s.)*RESP:-3068[;:](s.)* | ERMINSAT_RESP_-3068 | FAIL      | Cannot debit or rebate or set expiry date until Subscriber makes initial call            |
| ((s.)*RESP:-3070[;:](s.)* | ERMINSAT_RESP_-3070 | FAIL      | Cannot change Tariff before change period expires  |
| ((s.)*RESP:-3071[;:](s.)* | ERMINSAT_RESP_-3071 | FAIL      | Expiry days are too large  |
| ((s.)*RESP:-3072[;:](s.)* | ERMINSAT_RESP_-3072 | FAIL      | Number of days to expire exceeds the system default                                      |
| ((s.)*RESP:-3073[;:](s.)* | ERMINSAT_RESP_-3073 | FAIL      | Service Class Id not found   |
| ((s.)*RESP:-3074[;:](s.)* | ERMINSAT_RESP_-3074 | FAIL      | FaF Number entered must be on white list   |
| ((s.)*RESP:-3075[;:](s.)* | ERMINSAT_RESP_-3075 | FAIL      | Plan Id not found  |
| ((s.)*RESP:-3076[;:](s.)* | ERMINSAT_RESP_-3076 | FAIL      | Business Plan Id already exists  |
| ((s.)*RESP:-3077[;:](s.)* | ERMINSAT_RESP_-3077 | FAIL      | Specified Tariff Id is used by Subscribers and cannot be deleted                         |
| ((s.)*RESP:-3078[;:](s.)* | ERMINSAT_RESP_-3078 | FAIL      | Specified Plan Id is used by Subscribers and cannot be deleted                           |
| ((s.)*RESP:-3079[;:](s.)* | ERMINSAT_RESP_-3079 | FAIL      | Invalid value - blanks not allowed   |
| ((s.)*RESP:-3080[;:](s.)* | ERMINSAT_RESP_-3080 | FAIL      | You are running an out of date version of this program, please upgrade to latest version |
| ((s.)*RESP:-3081[;:](s.)* | ERMINSAT_RESP_-3081 | FAIL      | Subscriber not found in PagQueue table   |
| ((s.)*RESP:-3082[;:](s.)* | ERMINSAT_RESP_-3082 | FAIL      | Sorry, the Subscriber account is full  |
| ((s.)*RESP:-3083[;:](s.)* | ERMINSAT_RESP_-3083 | FAIL      | Only positive numeric values allowed   |
| ((s.)*RESP:-3084[;:](s.)* | ERMINSAT_RESP_-3084 | FAIL      | Exceed max allowed days for date-only Voucher  |
| ((s.)*RESP:-3085[;:](s.)* | ERMINSAT_RESP_-3085 | FAIL      | Language setting does not exist  |
| ((s.)*RESP:-3087[;:](s.)* | ERMINSAT_RESP_-3087 | FAIL      | Language code is out of range [1-4]  |
| ((s.)*RESP:-3088[;:](s.)* | ERMINSAT_RESP_-3088 | FAIL      | Sorry, you cant delete the default language  |
| ((s.)*RESP:-3089[;:](s.)* | ERMINSAT_RESP_-3089 | FAIL      | HLR address already exists   |
| ((s.)*RESP:-3090[;:](s.)* | ERMINSAT_RESP_-3090 | FAIL      | HLR address does not exist   |
| ((s.)*RESP:-3091[;:](s.)* | ERMINSAT_RESP_-3091 | FAIL      | Sorry, you cant delete the default HLR address   |

**Table 2–21 (Cont.) User Defined ASDL Exit Types**

| Search Pattern                | User Type           | Base Type | Description  |
|-------------------------------|---------------------|-----------|--|
| ((?s).*RESP:-3092[;:](?(s).)* | ERMINSAT_RESP_-3092 | FAIL      | Number of decimal places cannot be more than two                   |
| ((?s).*RESP:-3093[;:](?(s).)* | ERMINSAT_RESP_-3093 | FAIL      | Unknown Voucher Exchange value returned from Voucher Database      |
| ((?s).*RESP:-3095[;:](?(s).)* | ERMINSAT_RESP_-3095 | FAIL      | Number of decimal places cannot be more than conversion rate       |
| ((?s).*RESP:-3096[;:](?(s).)* | ERMINSAT_RESP_-3096 | FAIL      | Conversion rate to units does not support number of decimal places |
| ((?s).*RESP:-3100[;:](?(s).)* | ERMINSAT_RESP_-3100 | FAIL      | Subscriber is on a call, cannot perform request                    |
| ((?s).*RESP:-3101[;:](?(s).)* | ERMINSAT_RESP_-3101 | FAIL      | Invalid Subscriber status  |
| ((?s).*RESP:-3102[;:](?(s).)* | ERMINSAT_RESP_-3102 | FAIL      | Invalid Subscriber state   |
| ((?s).*RESP:-3103[;:](?(s).)* | ERMINSAT_RESP_-3103 | FAIL      | Invalid date format  |
| ((?s).*RESP:-3147[;:](?(s).)* | ERMINSAT_RESP_-3147 | FAIL      | No ConversionRate defined  |
| ((?s).*RESP:-3148[;:](?(s).)* | ERMINSAT_RESP_-3148 | FAIL      | No Rebate limit(s) defined   |
| ((?s).*RESP:-3149[;:](?(s).)* | ERMINSAT_RESP_-3149 | FAIL      | No Debit limit(s) defined  |
| ((?s).*RESP:-3150[;:](?(s).)* | ERMINSAT_RESP_-3150 | FAIL      | Periodic Deduction Does not Exist                                  |
| ((?s).*RESP:-3151[;:](?(s).)* | ERMINSAT_RESP_-3151 | FAIL      | Amount is Invalid  |
| ((?s).*RESP:-3152[;:](?(s).)* | ERMINSAT_RESP_-3152 | FAIL      | Frequency Count is Invalid   |
| ((?s).*RESP:-3153[;:](?(s).)* | ERMINSAT_RESP_-3153 | FAIL      | Frequency Type is Invalid  |
| ((?s).*RESP:-3154[;:](?(s).)* | ERMINSAT_RESP_-3154 | FAIL      | Periodic Deduction Code Exists                                     |
| ((?s).*RESP:-3155[;:](?(s).)* | ERMINSAT_RESP_-3155 | FAIL      | Invalid Use Subscriber date flag - must be Y or N                  |
| ((?s).*RESP:-3156[;:](?(s).)* | ERMINSAT_RESP_-3156 | FAIL      | GSM Line Code is Invalid   |
| ((?s).*RESP:-3157[;:](?(s).)* | ERMINSAT_RESP_-3157 | FAIL      | GSM Deduction Data Not Initialized                                 |
| ((?s).*RESP:-3158[;:](?(s).)* | ERMINSAT_RESP_-3158 | FAIL      | GSM Deduction Data Corrupted                                       |
| ((?s).*RESP:-3159[;:](?(s).)* | ERMINSAT_RESP_-3159 | FAIL      | Deduction Criteria Invalid, 0 = None, 1 = HLR, 2 = Tariff Level    |
| ((?s).*RESP:-3160[;:](?(s).)* | ERMINSAT_RESP_-3160 | FAIL      | Unknown HLR Profile Code - Must exist on BusinessPlan table        |
| ((?s).*RESP:-3161[;:](?(s).)* | ERMINSAT_RESP_-3161 | FAIL      | Unknown Tariff Level Code - Must exist on TariffLevel table        |
| ((?s).*RESP:-3162[;:](?(s).)* | ERMINSAT_RESP_-3162 | FAIL      | SOG host address and port must be specified correctly              |
| ((?s).*RESP:-3163[;:](?(s).)* | ERMINSAT_RESP_-3163 | FAIL      | Amount Must not exceed 99999.999                                   |

**Table 2–21 (Cont.) User Defined ASDL Exit Types**

| Search Pattern                  | User Type           | Base Type | Description   |
|---------------------------------|---------------------|-----------|---|
| ((?s).)*RESP:-3200[;:]( (?s).)* | ERMINSAT_RESP_-3200 | FAIL      | Activation Date has already passed                    |
| ((?s).)*RESP:-3201[;:]( (?s).)* | ERMINSAT_RESP_-3201 | FAIL      | Activation Date is after Expiry Date                  |
| ((?s).)*RESP:-3202[;:]( (?s).)* | ERMINSAT_RESP_-3202 | FAIL      | Bonus Already defined within the date range specified |
| ((?s).)*RESP:-3203[;:]( (?s).)* | ERMINSAT_RESP_-3203 | FAIL      | Amount is invalid                                     |
| ((?s).)*RESP:-3204[;:]( (?s).)* | ERMINSAT_RESP_-3204 | FAIL      | Extension Days invalid                                |
| ((?s).)*RESP:-3205[;:]( (?s).)* | ERMINSAT_RESP_-3205 | FAIL      | Extension Days or Bonus Amount must be specified      |
| ((?s).)*RESP:-3206[;:]( (?s).)* | ERMINSAT_RESP_-3206 | FAIL      | Add Bonus transaction failed                          |
| ((?s).)*RESP:-3207[;:]( (?s).)* | ERMINSAT_RESP_-3207 | FAIL      | Invalid Tariff specified                              |
| ((?s).)*RESP:-3208[;:]( (?s).)* | ERMINSAT_RESP_-3208 | FAIL      | Notification flag invalid - must be Y or N            |
| ((?s).)*RESP:-3209[;:]( (?s).)* | ERMINSAT_RESP_-3209 | FAIL      | Criteria invalid -must be VALUE or TOPUPS             |
| ((?s).)*RESP:-3210[;:]( (?s).)* | ERMINSAT_RESP_-3210 | FAIL      | Criteria Number invalid                               |
| ((?s).)*RESP:-3211[;:]( (?s).)* | ERMINSAT_RESP_-3211 | FAIL      | Bonus Amount invalid                                  |
| ((?s).)*RESP:-3212[;:]( (?s).)* | ERMINSAT_RESP_-3212 | FAIL      | Interval Type invalid                                 |
| ((?s).)*RESP:-3213[;:]( (?s).)* | ERMINSAT_RESP_-3213 | FAIL      | Interval Number invalid                               |
| ((?s).)*RESP:-3214[;:]( (?s).)* | ERMINSAT_RESP_-3214 | FAIL      | Max Bonuses invalid                                   |
| ((?s).)*RESP:-3215[;:]( (?s).)* | ERMINSAT_RESP_-3215 | FAIL      | Bonus has already expired, cannot update              |
| ((?s).)*RESP:-3216[;:]( (?s).)* | ERMINSAT_RESP_-3216 | FAIL      | Activation Date has already passed, cannot update     |
| ((?s).)*RESP:-3217[;:]( (?s).)* | ERMINSAT_RESP_-3217 | FAIL      | Expiry Date cannot be changed to an elapsed date      |
| ((?s).)*RESP:-3218[;:]( (?s).)* | ERMINSAT_RESP_-3218 | FAIL      | Update Bonus transaction failed                       |
| ((?s).)*RESP:-3219[;:]( (?s).)* | ERMINSAT_RESP_-3219 | FAIL      | Bonus scheme has already ended                        |
| ((?s).)*RESP:-3220[;:]( (?s).)* | ERMINSAT_RESP_-3220 | FAIL      | Bonus scheme is already active                        |
| ((?s).)*RESP:-3221[;:]( (?s).)* | ERMINSAT_RESP_-3221 | FAIL      | Cannot delete System Bonus definitions                |
| ((?s).)*RESP:-3222[;:]( (?s).)* | ERMINSAT_RESP_-3222 | FAIL      | Delete Bonus transaction failed                       |
| ((?s).)*RESP:-3223[;:]( (?s).)* | ERMINSAT_RESP_-3223 | FAIL      | Invalid BonusClass specified                          |
| ((?s).)*RESP:-3224[;:]( (?s).)* | ERMINSAT_RESP_-3224 | FAIL      | NoSubscriberSummary for Subscriber                    |
| ((?s).)*RESP:-3225[;:]( (?s).)* | ERMINSAT_RESP_-3225 | FAIL      | Record Subscriber Bonus transaction insert failed     |
| ((?s).)*RESP:-3226[;:]( (?s).)* | ERMINSAT_RESP_-3226 | FAIL      | Nosuch Bonus exists                                   |

**Table 2–21 (Cont.) User Defined ASDL Exit Types**

| <b>Search Pattern</b>           | <b>User Type</b>    | <b>Base Type</b> | <b>Description</b>  |
|---------------------------------|---------------------|------------------|---|
| ((?s).)*RESP:-3227[;:]( (?s).)* | ERMINSAT_RESP_-3227 | FAIL             | Cannot Update Tariff for Live Scheme                          |
| ((?s).)*RESP:-3228[;:]( (?s).)* | ERMINSAT_RESP_-3228 | FAIL             | Cannot Update UsageCriteria for Live Scheme                   |
| ((?s).)*RESP:-3229[;:]( (?s).)* | ERMINSAT_RESP_-3229 | FAIL             | Cannot Update UsageCriteriaNumber for LiveScheme              |
| ((?s).)*RESP:-3230[;:]( (?s).)* | ERMINSAT_RESP_-3230 | FAIL             | Cannot Update IntervalType for Live Scheme                    |
| ((?s).)*RESP:-3231[;:]( (?s).)* | ERMINSAT_RESP_-3231 | FAIL             | Cannot Update IntervalNumber for Live Scheme                  |
| ((?s).)*RESP:-3232[;:]( (?s).)* | ERMINSAT_RESP_-3232 | FAIL             | Cannot Update MaxBonuses for Live Scheme                      |
| ((?s).)*RESP:-3233[;:]( (?s).)* | ERMINSAT_RESP_-3233 | FAIL             | Subscriber has not been processed by smms or has been deleted |
| ((?s).)*RESP:-3234[;:]( (?s).)* | ERMINSAT_RESP_-3234 | FAIL             | Purging from distributed voucher database is not permitted    |
| ((?s).)*RESP:-3250[;:]( (?s).)* | ERMINSAT_RESP_-3250 | FAIL             | Invalid Mode for Voucher Database Server                      |
| ((?s).)*RESP:-3251[;:]( (?s).)* | ERMINSAT_RESP_-3251 | FAIL             | Add business plan transaction failed                          |
| ((?s).)*RESP:-3252[;:]( (?s).)* | ERMINSAT_RESP_-3252 | FAIL             | Delete accumulators transaction failed                        |
| ((?s).)*RESP:-3253[;:]( (?s).)* | ERMINSAT_RESP_-3253 | FAIL             | Delete business plan transaction failed                       |
| ((?s).)*RESP:-3254[;:]( (?s).)* | ERMINSAT_RESP_-3254 | FAIL             | Delete dedicated accounts transaction failed                  |
| ((?s).)*RESP:-3255[;:]( (?s).)* | ERMINSAT_RESP_-3255 | FAIL             | Delete language setting transaction failed                    |
| ((?s).)*RESP:-3256[;:]( (?s).)* | ERMINSAT_RESP_-3256 | FAIL             | Delete service class transaction failed                       |
| ((?s).)*RESP:-3257[;:]( (?s).)* | ERMINSAT_RESP_-3257 | FAIL             | Delete language setting transaction failed                    |
| ((?s).)*RESP:-3258[;:]( (?s).)* | ERMINSAT_RESP_-3258 | FAIL             | Delete language setting transaction failed                    |
| ((?s).)*RESP:-3259[;:]( (?s).)* | ERMINSAT_RESP_-3259 | FAIL             | Update customer care config transaction failed                |
| ((?s).)*RESP:-3260[;:]( (?s).)* | ERMINSAT_RESP_-3260 | FAIL             | Update customer care config transaction failed                |
| ((?s).)*RESP:-3261[;:]( (?s).)* | ERMINSAT_RESP_-3261 | FAIL             | Update currency transaction failed                            |
| ((?s).)*RESP:-3262[;:]( (?s).)* | ERMINSAT_RESP_-3262 | FAIL             | Update business plan transaction failed                       |
| ((?s).)*RESP:-3263[;:]( (?s).)* | ERMINSAT_RESP_-3263 | FAIL             | Update language setting transaction failed                    |

**Table 2–21 (Cont.) User Defined ASDL Exit Types**

| Search Pattern              | User Type           | Base Type | Description  |
|-----------------------------|---------------------|-----------|--|
| ((s.)*RESP:-3264[;]:)((s.)* | ERMINSAT_RESP_-3264 | FAIL      | SubscriberID or barring not given                              |
| ((s.)*RESP:-3265[;]:)((s.)* | ERMINSAT_RESP_-3265 | FAIL      | Insert into SubscriberBar transaction failed                   |
| ((s.)*RESP:-3266[;]:)((s.)* | ERMINSAT_RESP_-3266 | FAIL      | Language description must contain at least one character       |
| ((s.)*RESP:-3267[;]:)((s.)* | ERMINSAT_RESP_-3267 | FAIL      | Service Class does not exist                                   |
| ((s.)*RESP:-3268[;]:)((s.)* | ERMINSAT_RESP_-3268 | FAIL      | Language description must contain at least one character       |
| ((s.)*RESP:-3269[;]:)((s.)* | ERMINSAT_RESP_-3269 | FAIL      | Service class name must contain atleast one character          |
| ((s.)*RESP:-3270[;]:)((s.)* | ERMINSAT_RESP_-3270 | FAIL      | Service class max balance must be positive decimal             |
| ((s.)*RESP:-3271[;]:)((s.)* | ERMINSAT_RESP_-3271 | FAIL      | Max supervision period must be positive integer                |
| ((s.)*RESP:-3272[;]:)((s.)* | ERMINSAT_RESP_-3272 | FAIL      | Max service fee period must be positive integer                |
| ((s.)*RESP:-3273[;]:)((s.)* | ERMINSAT_RESP_-3273 | FAIL      | Max balance foe ded account must be positive decimal           |
| ((s.)*RESP:-3274[;]:)((s.)* | ERMINSAT_RESP_-3274 | FAIL      | Preactivation flag must be positive integer                    |
| ((s.)*RESP:-3275[;]:)((s.)* | ERMINSAT_RESP_-3275 | FAIL      | Service class exists   |
| ((s.)*RESP:-3276[;]:)((s.)* | ERMINSAT_RESP_-3276 | FAIL      | Service class does not exist                                   |
| ((s.)*RESP:-3277[;]:)((s.)* | ERMINSAT_RESP_-3277 | FAIL      | Dedicated account not given                                    |
| ((s.)*RESP:-3278[;]:)((s.)* | ERMINSAT_RESP_-3278 | FAIL      | Dedicated account non numeric                                  |
| ((s.)*RESP:-3279[;]:)((s.)* | ERMINSAT_RESP_-3279 | FAIL      | Dedicated account already exists                               |
| ((s.)*RESP:-3280[;]:)((s.)* | ERMINSAT_RESP_-3280 | FAIL      | Dedicated account description not given                        |
| ((s.)*RESP:-3281[;]:)((s.)* | ERMINSAT_RESP_-3281 | FAIL      | Dedicated account does not exist                               |
| ((s.)*RESP:-3282[;]:)((s.)* | ERMINSAT_RESP_-3282 | FAIL      | Accumulator not given  |
| ((s.)*RESP:-3283[;]:)((s.)* | ERMINSAT_RESP_-3283 | FAIL      | Accumulator non numeric  |
| ((s.)*RESP:-3284[;]:)((s.)* | ERMINSAT_RESP_-3284 | FAIL      | Accumulator already exists                                     |
| ((s.)*RESP:-3285[;]:)((s.)* | ERMINSAT_RESP_-3285 | FAIL      | Accumulator description not given                              |
| ((s.)*RESP:-3286[;]:)((s.)* | ERMINSAT_RESP_-3286 | FAIL      | Accumulator does not exist                                     |
| ((s.)*RESP:-3287[;]:)((s.)* | ERMINSAT_RESP_-3287 | FAIL      | Update system config transaction failed                        |
| ((s.)*RESP:-3288[;]:)((s.)* | ERMINSAT_RESP_-3288 | FAIL      | Update AXE target transaction failed                           |
| ((s.)*RESP:-3289[;]:)((s.)* | ERMINSAT_RESP_-3289 | FAIL      | The Subscriber Surname and First Address field must be entered |

**Table 2–21 (Cont.) User Defined ASDL Exit Types**

| <b>Search Pattern</b>           | <b>User Type</b>    | <b>Base Type</b> | <b>Description</b>  |
|---------------------------------|---------------------|------------------|---|
| ((?s).)*RESP:-3610[;:](?(?s).)* | ERMINSAT_RESP_-3610 | FAIL             | Registration Fields - Invalid Screen Id.                      |
| ((?s).)*RESP:-3611[;:](?(?s).)* | ERMINSAT_RESP_-3611 | FAIL             | Registration Fields - Invalid Field Id.                       |
| ((?s).)*RESP:-3612[;:](?(?s).)* | ERMINSAT_RESP_-3612 | FAIL             | Registration Fields - Invalid Type (Values 0-6)               |
| ((?s).)*RESP:-3613[;:](?(?s).)* | ERMINSAT_RESP_-3613 | FAIL             | Registration Fields - Invalid Label or Label not supplied.    |
| ((?s).)*RESP:-3614[;:](?(?s).)* | ERMINSAT_RESP_-3614 | FAIL             | Registration Fields - Invalid Max Size (Values 0-255)         |
| ((?s).)*RESP:-3615[;:](?(?s).)* | ERMINSAT_RESP_-3615 | FAIL             | Registration Fields - Invalid Mandatory flag (Must be Y or N) |
| ((?s).)*RESP:-3616[;:](?(?s).)* | ERMINSAT_RESP_-3616 | FAIL             | Registration Fields - Invalid Visible flag (Must be Y or N)   |
| ((?s).)*RESP:-3617[;:](?(?s).)* | ERMINSAT_RESP_-3617 | FAIL             | Registration Fields - Invalid Read-only flag (Must be Y or N) |
| ((?s).)*RESP:-3618[;:](?(?s).)* | ERMINSAT_RESP_-3618 | FAIL             | Registration Fields - Invalid Value or Value not supplied.    |
| ((?s).)*RESP:-3619[;:](?(?s).)* | ERMINSAT_RESP_-3619 | FAIL             | Registration Fields - Invalid Option Sequence Id.             |
| ((?s).)*RESP:-3620[;:](?(?s).)* | ERMINSAT_RESP_-3620 | FAIL             | %s Read-only field is modified.                               |
| ((?s).)*RESP:-3621[;:](?(?s).)* | ERMINSAT_RESP_-3621 | FAIL             | %s Mandatory field is not supplied.                           |
| ((?s).)*RESP:-3622[;:](?(?s).)* | ERMINSAT_RESP_-3622 | FAIL             | %s Text Field longer than Max Size                            |
| ((?s).)*RESP:-3623[;:](?(?s).)* | ERMINSAT_RESP_-3623 | FAIL             | %sInvalid Numeric or Float Field                              |
| ((?s).)*RESP:-3624[;:](?(?s).)* | ERMINSAT_RESP_-3624 | FAIL             | %sDate Value is invalid.                                      |
| ((?s).)*RESP:-3625[;:](?(?s).)* | ERMINSAT_RESP_-3625 | FAIL             | %sBooleanField must be Y or N.                                |
| ((?s).)*RESP:-3700[;:](?(?s).)* | ERMINSAT_RESP_-3700 | FAIL             | User name must be supplied.                                   |
| ((?s).)*RESP:-3702[;:](?(?s).)* | ERMINSAT_RESP_-3702 | FAIL             | User name already exists.                                     |
| ((?s).)*RESP:-3704[;:](?(?s).)* | ERMINSAT_RESP_-3704 | FAIL             | Password must be supplied.                                    |
| ((?s).)*RESP:-3705[;:](?(?s).)* | ERMINSAT_RESP_-3705 | FAIL             | Incorrect password supplied.                                  |
| ((?s).)*RESP:-3706[;:](?(?s).)* | ERMINSAT_RESP_-3706 | FAIL             | Password must be greater than 6 characters.                   |
| ((?s).)*RESP:-3708[;:](?(?s).)* | ERMINSAT_RESP_-3708 | FAIL             | Expiry date must be supplied.                                 |
| ((?s).)*RESP:-3710[;:](?(?s).)* | ERMINSAT_RESP_-3710 | FAIL             | Expiry date must be greater than today's date.                |
| ((?s).)*RESP:-3711[;:](?(?s).)* | ERMINSAT_RESP_-3711 | FAIL             | User name does not exist.                                     |
| ((?s).)*RESP:-3712[;:](?(?s).)* | ERMINSAT_RESP_-3712 | FAIL             | Invalid ActiveStartDate.                                      |
| ((?s).)*RESP:-3713[;:](?(?s).)* | ERMINSAT_RESP_-3713 | FAIL             | Error message obsolete.                                       |

**Table 2–21 (Cont.) User Defined ASDL Exit Types**

| Search Pattern                 | User Type           | Base Type | Description  |
|--------------------------------|---------------------|-----------|--|
| ((?s).*RESP:-3714[;:](?(?s).)* | ERMINSAT_RESP_-3714 | FAIL      | End Time must not be equal to Start Time.  |
| ((?s).*RESP:-3715[;:](?(?s).)* | ERMINSAT_RESP_-3715 | FAIL      | Invalid ActiveStartDate / ActiveEndDate pair.                                      |
| ((?s).*RESP:-3716[;:](?(?s).)* | ERMINSAT_RESP_-3716 | FAIL      | Granularity perious must be one of(5, 15,30, 60) minutes.                          |
| ((?s).*RESP:-3717[;:](?(?s).)* | ERMINSAT_RESP_-3717 | FAIL      | Start/End Interval times must be in format 00.00 - 24.00.                          |
| ((?s).*RESP:-3718[;:](?(?s).)* | ERMINSAT_RESP_-3718 | FAIL      | Operations/Maintenance Interval overlaps with existing entry.                      |
| ((?s).*RESP:-3719[;:](?(?s).)* | ERMINSAT_RESP_-3719 | FAIL      | Creation of Operations/Maintenance Job failed.                                     |
| ((?s).*RESP:-3720[;:](?(?s).)* | ERMINSAT_RESP_-3720 | FAIL      | Set Operations/Maintenance Job Active failed.                                      |
| ((?s).*RESP:-3721[;:](?(?s).)* | ERMINSAT_RESP_-3721 | FAIL      | Set Operations/Maintenance Job Finished failed.                                    |
| ((?s).*RESP:-3722[;:](?(?s).)* | ERMINSAT_RESP_-3722 | FAIL      | Failed to delete Active Operations/Maintenance Job.                                |
| ((?s).*RESP:-3723[;:](?(?s).)* | ERMINSAT_RESP_-3723 | FAIL      | Failed to delete Operations/Maintenance Job.                                       |
| ((?s).*RESP:-3724[;:](?(?s).)* | ERMINSAT_RESP_-3724 | FAIL      | Frequency is invalid - must be oneof (O, D, W).                                    |
| ((?s).*RESP:-3725[;:](?(?s).)* | ERMINSAT_RESP_-3725 | FAIL      | Once off job needs empty ActiveEndDate, StartTime and EndTime.                     |
| ((?s).*RESP:-3726[;:](?(?s).)* | ERMINSAT_RESP_-3726 | FAIL      | ActiveStartDate should be in format YYYYMMDD.                                      |
| ((?s).*RESP:-3727[;:](?(?s).)* | ERMINSAT_RESP_-3727 | FAIL      | ActiveEndDate should be in format YYYYMMDD.  |
| ((?s).*RESP:-3728[;:](?(?s).)* | ERMINSAT_RESP_-3728 | FAIL      | Jobname exists in the database.  |
| ((?s).*RESP:-3729[;:](?(?s).)* | ERMINSAT_RESP_-3729 | FAIL      | DayOfWeek must be between 1 and 7 (1=Monday,2=Tuesday, etc.).                      |
| ((?s).*RESP:-3730[;:](?(?s).)* | ERMINSAT_RESP_-3730 | FAIL      | Required Operations and Maintenance fieldsare empty.                               |
| ((?s).*RESP:-4000[;:](?(?s).)* | ERMINSAT_RESP_-4000 | FAIL      | Fatal internal error- %s. Please report this to your System Administrator          |
| ((?s).*RESP:-4001[;:](?(?s).)* | ERMINSAT_RESP_-4001 | FAIL      | Sorry CDRs are not Licensed, please contact suppliers                              |
| ((?s).*RESP:-4002[;:](?(?s).)* | ERMINSAT_RESP_-4002 | FAIL      | Invalid bonus ID   |
| ((?s).*RESP:-4003[;:](?(?s).)* | ERMINSAT_RESP_-4003 | FAIL      | Request failed due to invalid or out of date license. Please contact your supplier |
| ((?s).*RESP:-4004[;:](?(?s).)* | ERMINSAT_RESP_-4004 | FAIL      | Country code required  |

**Table 2-21 (Cont.) User Defined ASDL Exit Types**

| Search Pattern                 | User Type           | Base Type | Description  |
|--------------------------------|---------------------|-----------|--|
| ((?s).*RESP:-4005[;:](?(?s).)* | ERMINSAT_RESP_-4005 | FAIL      | Country code does not exist  |
| ((?s).*RESP:-4006[;:](?(?s).)* | ERMINSAT_RESP_-4006 | FAIL      | VLR number does not exist  |
| ((?s).*RESP:-4007[;:](?(?s).)* | ERMINSAT_RESP_-4007 | FAIL      | Operator prefix does not exist   |
| ((?s).*RESP:-4008[;:](?(?s).)* | ERMINSAT_RESP_-4008 | FAIL      | VLR number exists already  |
| ((?s).*RESP:-4009[;:](?(?s).)* | ERMINSAT_RESP_-4009 | FAIL      | Operator Prefix and Country Code entry already exists                          |
| ((?s).*RESP:-4010[;:](?(?s).)* | ERMINSAT_RESP_-4010 | FAIL      | VLR and Country Code entry does not exist                                      |
| ((?s).*RESP:-4011[;:](?(?s).)* | ERMINSAT_RESP_-4011 | FAIL      | Operator Prefix and Country Code entry does not exist                          |
| ((?s).*RESP:-4012[;:](?(?s).)* | ERMINSAT_RESP_-4012 | FAIL      | IMSI number exceeds 20 digits  |
| ((?s).*RESP:-4013[;:](?(?s).)* | ERMINSAT_RESP_-4013 | FAIL      | IMSI number non-numeric  |
| ((?s).*RESP:-4014[;:](?(?s).)* | ERMINSAT_RESP_-4014 | FAIL      | SIM number exceeds 20 digits   |
| ((?s).*RESP:-4015[;:](?(?s).)* | ERMINSAT_RESP_-4015 | FAIL      | SIM number non-numeric   |
| ((?s).*RESP:-4016[;:](?(?s).)* | ERMINSAT_RESP_-4016 | FAIL      | PUK number exceeds 20 characters   |
| ((?s).*RESP:-4017[;:](?(?s).)* | ERMINSAT_RESP_-4017 | FAIL      | SDP name exceeds 6 characters  |
| ((?s).*RESP:-4018[;:](?(?s).)* | ERMINSAT_RESP_-4018 | FAIL      | Language range is 0-4  |
| ((?s).*RESP:-4019[;:](?(?s).)* | ERMINSAT_RESP_-4019 | FAIL      | Blocking must be SET or CLEAR  |
| ((?s).*RESP:-4020[;:](?(?s).)* | ERMINSAT_RESP_-4020 | FAIL      | Promo start or end date missing  |
| ((?s).*RESP:-4021[;:](?(?s).)* | ERMINSAT_RESP_-4021 | FAIL      | Promo date non-numeric   |
| ((?s).*RESP:-4022[;:](?(?s).)* | ERMINSAT_RESP_-4022 | FAIL      | Promo date exceeds 8 digits  |
| ((?s).*RESP:-4023[;:](?(?s).)* | ERMINSAT_RESP_-4023 | FAIL      | Year must be 1900-9999   |
| ((?s).*RESP:-4024[;:](?(?s).)* | ERMINSAT_RESP_-4024 | FAIL      | Month must be 01-12  |
| ((?s).*RESP:-4025[;:](?(?s).)* | ERMINSAT_RESP_-4025 | FAIL      | Day must be 01-31  |
| ((?s).*RESP:-4026[;:](?(?s).)* | ERMINSAT_RESP_-4026 | FAIL      | Promo start date after end date  |
| ((?s).*RESP:-4027[;:](?(?s).)* | ERMINSAT_RESP_-4027 | FAIL      | No Promo plan given  |
| ((?s).*RESP:-4028[;:](?(?s).)* | ERMINSAT_RESP_-4028 | FAIL      | No IMSI number   |
| ((?s).*RESP:-4029[;:](?(?s).)* | ERMINSAT_RESP_-4029 | FAIL      | No SIM number  |
| ((?s).*RESP:-4030[;:](?(?s).)* | ERMINSAT_RESP_-4030 | FAIL      | No Blocking given  |
| ((?s).*RESP:-4031[;:](?(?s).)* | ERMINSAT_RESP_-4031 | FAIL      | Phone number exceeds 20 digits   |
| ((?s).*RESP:-4032[;:](?(?s).)* | ERMINSAT_RESP_-4032 | FAIL      | Phone number non-numeric   |
| ((?s).*RESP:-4200[;:](?(?s).)* | ERMINSAT_RESP_-4200 | FAIL      | (other Error) - general failure  |
| ((?s).*RESP:-4202[;:](?(?s).)* | ERMINSAT_RESP_-4202 | FAIL      | (subscriberNotFound) - The requested subscriber was not found in the AF or SDP |



Table 2–21 (Cont.) User Defined ASDL Exit Types

| Search Pattern                 | User Type           | Base Type | Description   |
|--------------------------------|---------------------|-----------|---|
| ((?s).*RESP:-4203[;:]( (?s).)* | ERMINSAT_RESP_-4203 | FAIL      | (accountBarredFromRefill) - The refill was not allowed as the subscriber is barred from refill  |
| ((?s).*RESP:-4204[;:]( (?s).)* | ERMINSAT_RESP_-4204 | FAIL      | (temporaryBlocked) - The account update was rejected as the subscriber is temporary locked  |
| ((?s).*RESP:-4205[;:]( (?s).)* | ERMINSAT_RESP_-4205 | FAIL      | (dedicatedAccountNotAllowed) - The refill was rejected when the refill process tried to add money to a dedicated account that was not allowed by the service class settings |
| ((?s).*RESP:-4206[;:]( (?s).)* | ERMINSAT_RESP_-4206 | FAIL      | (dedicatedAccountNegative) - The refill failed because a dedicated account would become negative  |
| ((?s).*RESP:-4207[;:]( (?s).)* | ERMINSAT_RESP_-4207 | FAIL      | (voucherStatusUsedBySame) - The refill failed because the subscriber has already used the voucher.  |
| ((?s).*RESP:-4208[;:]( (?s).)* | ERMINSAT_RESP_-4208 | FAIL      | (voucherStatusUsedByDifferent) - The refill failed because someone else have already used the voucher.  |
| ((?s).*RESP:-4209[;:]( (?s).)* | ERMINSAT_RESP_-4209 | FAIL      | (voucherStatusUnavailable) - The refill was not allowed as the voucher was in state unavailable   |
| ((?s).*RESP:-4210[;:]( (?s).)* | ERMINSAT_RESP_-4210 | FAIL      | (voucherStatusExpired) - The expiry date of the voucher corresponding to the entered activation has passed.   |
| ((?s).*RESP:-4211[;:]( (?s).)* | ERMINSAT_RESP_-4211 | FAIL      | (voucherStatusStolenOrMissing) - The refill was not allowed as the voucher was in state stolen/missing  |
| ((?s).*RESP:-4212[;:]( (?s).)* | ERMINSAT_RESP_-4212 | FAIL      | (voucherStatusDamaged) - The refill was not allowed as the voucher was in state damaged   |
| ((?s).*RESP:-4213[;:]( (?s).)* | ERMINSAT_RESP_-4213 | FAIL      | (voucherStatusPending) - The refill was not allowed as the voucher was in state pending   |
| ((?s).*RESP:-4214[;:]( (?s).)* | ERMINSAT_RESP_-4214 | FAIL      | (voucherTypeNotAccepted) - A value voucher was used for standard refill or vice versa.  |
| ((?s).*RESP:-4215[;:]( (?s).)* | ERMINSAT_RESP_-4215 | FAIL      | (voucherGroupServiceClassError) - The voucher was rejected as it was not allowed to use this voucher in combination with the subscribers service class                      |

Table 2–21 (Cont.) User Defined ASDL Exit Types

| Search Pattern                | User Type           | Base Type | Description  |
|-------------------------------|---------------------|-----------|--|
| ((?s).)*RESP:-4216[;:](??s).* | ERMINSAT_RESP_-4216 | FAIL      | (serviceClassHierarchyErr) - The value voucher refill was rejected as the new service class had a lower hierarchy value than the current service class |
| ((?s).)*RESP:-4217[;:](??s).* | ERMINSAT_RESP_-4217 | FAIL      | (serviceClassNotAllowed) - The value voucher refill was rejected as the service class change was not allowed for the account                           |
| ((?s).)*RESP:-4219[;:](??s).* | ERMINSAT_RESP_-4219 | FAIL      | (invalidActivationNumber) - The refill failed as the entered activation code did not correspond to   |
| ((?s).)*RESP:-4220[;:](??s).* | ERMINSAT_RESP_-4220 | FAIL      | (invalidPaymentProfile) - The payment was rejected due to an invalid payment profile   |
| ((?s).)*RESP:-4221[;:](??s).* | ERMINSAT_RESP_-4221 | FAIL      | (supervisionPeriodTooLong) - The refill failed as the maximum supervision period would have been exceeded as a result of the refill.                   |
| ((?s).)*RESP:-4222[;:](??s).* | ERMINSAT_RESP_-4222 | FAIL      | (serviceFeePeriodTooLong) - The refill failed as the maximum service fee period would have been exceeded as a result of the refill                     |
| ((?s).)*RESP:-4223[;:](??s).* | ERMINSAT_RESP_-4223 | FAIL      | (maxCreditLimitExceeded) - The refill failed as the maximum account balance would have been exceeded   |
| ((?s).)*RESP:-4300[;:](??s).* | ERMINSAT_RESP_-4300 | FAIL      | Reserved   |
| ((?s).)*RESP:-4301[;:](??s).* | ERMINSAT_RESP_-4301 | FAIL      | Reserved   |
| ((?s).)*RESP:-4302[;:](??s).* | ERMINSAT_RESP_-4302 | FAIL      | Reserved   |
| ((?s).)*RESP:-4303[;:](??s).* | ERMINSAT_RESP_-4303 | FAIL      | Reserved   |
| ((?s).)*RESP:-4304[;:](??s).* | ERMINSAT_RESP_-4304 | FAIL      | Reserved   |
| ((?s).)*RESP:-4305[;:](??s).* | ERMINSAT_RESP_-4305 | FAIL      | Reserved   |
| ((?s).)*RESP:-4306[;:](??s).* | ERMINSAT_RESP_-4306 | FAIL      | Reserved   |
| ((?s).)*RESP:-4307[;:](??s).* | ERMINSAT_RESP_-4307 | FAIL      | Reserved   |
| ((?s).)*RESP:-4308[;:](??s).* | ERMINSAT_RESP_-4308 | FAIL      | Reserved   |
| ((?s).)*RESP:-4309[;:](??s).* | ERMINSAT_RESP_-4309 | FAIL      | Reserved   |
| ((?s).)*RESP:-4310[;:](??s).* | ERMINSAT_RESP_-4310 | FAIL      | Reserved   |
| ((?s).)*RESP:-4311[;:](??s).* | ERMINSAT_RESP_-4311 | FAIL      | Reserved   |
| ((?s).)*RESP:-4312[;:](??s).* | ERMINSAT_RESP_-4312 | FAIL      | Reserved   |
| ((?s).)*RESP:-4313[;:](??s).* | ERMINSAT_RESP_-4313 | FAIL      | Reserved   |
| ((?s).)*RESP:-4314[;:](??s).* | ERMINSAT_RESP_-4314 | FAIL      | Reserved   |

Table 2–21 (Cont.) User Defined ASDL Exit Types

| Search Pattern                 | User Type           | Base Type | Description   |
|--------------------------------|---------------------|-----------|---|
| ((?s).*RESP:-4315[;:](?(?s).)* | ERMINSAT_RESP_-4315 | FAIL      | Reserved  |
| ((?s).*RESP:-4316[;:](?(?s).)* | ERMINSAT_RESP_-4316 | FAIL      | Reserved  |
| ((?s).*RESP:-4317[;:](?(?s).)* | ERMINSAT_RESP_-4317 | FAIL      | Reserved  |
| ((?s).*RESP:-4318[;:](?(?s).)* | ERMINSAT_RESP_-4318 | FAIL      | Reserved  |
| ((?s).*RESP:-4319[;:](?(?s).)* | ERMINSAT_RESP_-4319 | FAIL      | Reserved  |
| ((?s).*RESP:-4320[;:](?(?s).)* | ERMINSAT_RESP_-4320 | FAIL      | Reserved  |
| ((?s).*RESP:-4321[;:](?(?s).)* | ERMINSAT_RESP_-4321 | FAIL      | The field-type cannot be changed while the field contains subscriber data |
| ((?s).*RESP:-4322[;:](?(?s).)* | ERMINSAT_RESP_-4322 | FAIL      | The FaF restriction does not exist  |
| ((?s).*RESP:-4323[;:](?(?s).)* | ERMINSAT_RESP_-4323 | FAIL      | A description must be supplied for the FaF restriction                    |
| ((?s).*RESP:-4324[;:](?(?s).)* | ERMINSAT_RESP_-4324 | FAIL      | The FaF restriction ID must be numeric                                    |
| ((?s).*RESP:-4325[;:](?(?s).)* | ERMINSAT_RESP_-4325 | FAIL      | Insertion of the FaF restriction failed                                   |
| ((?s).*RESP:-4326[;:](?(?s).)* | ERMINSAT_RESP_-4326 | FAIL      | Deletion of the FaF restriction failed                                    |
| ((?s).*RESP:-4327[;:](?(?s).)* | ERMINSAT_RESP_-4327 | FAIL      | A Number Pattern must be supplied for the FaF restriction                 |
| ((?s).*RESP:-4400[;:](?(?s).)* | ERMINSAT_RESP_-4400 | FAIL      | Illegal request message.  |
| ((?s).*RESP:-4401[;:](?(?s).)* | ERMINSAT_RESP_-4401 | FAIL      | Mandatory field missing.  |
| ((?s).*RESP:-4402[;:](?(?s).)* | ERMINSAT_RESP_-4402 | FAIL      | Illegal data type.  |
| ((?s).*RESP:-4403[;:](?(?s).)* | ERMINSAT_RESP_-4403 | FAIL      | Data out of bounds.   |
| ((?s).*RESP:-4404[;:](?(?s).)* | ERMINSAT_RESP_-4404 | FAIL      | Unknown operation.  |
| ((?s).*RESP:-4405[;:](?(?s).)* | ERMINSAT_RESP_-4405 | FAIL      | Internal server error.  |
| ((?s).*RESP:-4406[;:](?(?s).)* | ERMINSAT_RESP_-4406 | FAIL      | Reserved for future use.  |
| ((?s).*RESP:-4407[;:](?(?s).)* | ERMINSAT_RESP_-4407 | FAIL      | Overload Rejection.   |
| ((?s).*RESP:-4410[;:](?(?s).)* | ERMINSAT_RESP_-4410 | FAIL      | Voucher does not exist.   |
| ((?s).*RESP:-4411[;:](?(?s).)* | ERMINSAT_RESP_-4411 | FAIL      | Voucher already used by other subscriber.                                 |
| ((?s).*RESP:-4412[;:](?(?s).)* | ERMINSAT_RESP_-4412 | FAIL      | Voucher missing / stolen.   |
| ((?s).*RESP:-4413[;:](?(?s).)* | ERMINSAT_RESP_-4413 | FAIL      | Voucher unavailable.  |
| ((?s).*RESP:-4420[;:](?(?s).)* | ERMINSAT_RESP_-4420 | FAIL      | Voucher already used by same subscriber.                                  |
| ((?s).*RESP:-4421[;:](?(?s).)* | ERMINSAT_RESP_-4421 | FAIL      | Voucher reserved by same subscriber (pending).                            |
| ((?s).*RESP:-4422[;:](?(?s).)* | ERMINSAT_RESP_-4422 | FAIL      | Voucher expired.  |
| ((?s).*RESP:-4423[;:](?(?s).)* | ERMINSAT_RESP_-4423 | FAIL      | Reserved for future use.  |

**Table 2–21 (Cont.) User Defined ASDL Exit Types**

| Search Pattern                 | User Type           | Base Type | Description                                    |
|--------------------------------|---------------------|-----------|--|
| ((?s).*RESP:-4424[;:](?(?s).)* | ERMINSAT_RESP_-4424 | FAIL      | Mismatched subscriber in reserve / commit.     |
| ((?s).*RESP:-4425[;:](?(?s).)* | ERMINSAT_RESP_-4425 | FAIL      | Voucher not reserved.                          |
| ((?s).*RESP:-4426[;:](?(?s).)* | ERMINSAT_RESP_-4426 | FAIL      | Mismatched transactionId in reserve / commit.  |
| ((?s).*RESP:-4427[;:](?(?s).)* | ERMINSAT_RESP_-4427 | FAIL      | Voucher damaged.                               |
| ((?s).*RESP:-4428[;:](?(?s).)* | ERMINSAT_RESP_-4428 | FAIL      | Voucher reserved by other subscriber.          |
| ((?s).*RESP:-4429[;:](?(?s).)* | ERMINSAT_RESP_-4429 | FAIL      | Database error.                                |
| ((?s).*RESP:-4430[;:](?(?s).)* | ERMINSAT_RESP_-4430 | FAIL      | Unknown response code.                         |
| ((?s).*RESP:-4500[;:](?(?s).)* | ERMINSAT_RESP_-4500 | FAIL      | Selection of Batch Log ID failed.              |
| ((?s).*RESP:-4501[;:](?(?s).)* | ERMINSAT_RESP_-4501 | FAIL      | Batch Log Insert failed.                       |
| ((?s).*RESP:-5001[;:](?(?s).)* | ERMINSAT_RESP_-5001 | FAIL      | Subordinates Exists for subscriber.            |
| ((?s).*RESP:-5002[;:](?(?s).)* | ERMINSAT_RESP_-5002 | FAIL      | Invalid empty values passed.                   |
| ((?s).*RESP:-5003[;:](?(?s).)* | ERMINSAT_RESP_-5003 | FAIL      | Master Subscriber does not exist.              |
| ((?s).*RESP:-5004[;:](?(?s).)* | ERMINSAT_RESP_-5004 | FAIL      | Master and Subordinate numbers are the same.   |
| ((?s).*RESP:-5005[;:](?(?s).)* | ERMINSAT_RESP_-5005 | FAIL      | Master account entry does not exist.           |
| ((?s).*RESP:-5006[;:](?(?s).)* | ERMINSAT_RESP_-5006 | FAIL      | System Config table is empty.                  |
| ((?s).*RESP:-5007[;:](?(?s).)* | ERMINSAT_RESP_-5007 | FAIL      | The CustCareConfig table is empty.             |
| ((?s).*RESP:-5008[;:](?(?s).)* | ERMINSAT_RESP_-5008 | FAIL      | Insert into AccumulatorType table failed.      |
| ((?s).*RESP:-5009[;:](?(?s).)* | ERMINSAT_RESP_-5009 | FAIL      | Insert into DedicatedAccountType table failed. |
| ((?s).*RESP:-5010[;:](?(?s).)* | ERMINSAT_RESP_-5010 | FAIL      | Insert into ServiceClass table table failed.   |
| ((?s).*RESP:-5011[;:](?(?s).)* | ERMINSAT_RESP_-5011 | FAIL      | Update AccumulatorType table failed.           |
| ((?s).*RESP:-5012[;:](?(?s).)* | ERMINSAT_RESP_-5012 | FAIL      | Update DedicatedAccountType table failed.      |
| ((?s).*RESP:-5013[;:](?(?s).)* | ERMINSAT_RESP_-5013 | FAIL      | Update ServiceClass table failed.              |
| ((?s).*RESP:-5014[;:](?(?s).)* | ERMINSAT_RESP_-5014 | FAIL      | ServiceClassID is not numeric.                 |
| ((?s).*RESP:-5015[;:](?(?s).)* | ERMINSAT_RESP_-5015 | FAIL      | HLRProfile is not numeric.                     |
| ((?s).*RESP:-5016[;:](?(?s).)* | ERMINSAT_RESP_-5016 | FAIL      | Stored decimal places is not numeric.          |

**Table 2–21 (Cont.) User Defined ASDL Exit Types**

| Search Pattern                  | User Type           | Base Type | Description  |
|---------------------------------|---------------------|-----------|--|
| ((?s).)*RESP:-5017[;:]( (?s).)* | ERMINSAT_RESP_-5017 | FAIL      | Decimal places to display is not numeric.          |
| ((?s).)*RESP:-5018[;:]( (?s).)* | ERMINSAT_RESP_-5018 | FAIL      | Conversion rate to Euro is not numeric.            |
| ((?s).)*RESP:-5019[;:]( (?s).)* | ERMINSAT_RESP_-5019 | FAIL      | Master Phone Number is not in MSISDN format.       |
| ((?s).)*RESP:-5020[;:]( (?s).)* | ERMINSAT_RESP_-5020 | FAIL      | Subordinate Phone Number is not in MSISDN format.  |
| ((?s).)*RESP:-5021[;:]( (?s).)* | ERMINSAT_RESP_-5021 | FAIL      | Master Phone Number was not found.                 |
| ((?s).)*RESP:-5022[;:]( (?s).)* | ERMINSAT_RESP_-5022 | FAIL      | Subordinate Phone Number was not found.            |
| ((?s).)*RESP:-5023[;:]( (?s).)* | ERMINSAT_RESP_-5023 | FAIL      | Subscriber Phone Number was not found.             |
| ((?s).)*RESP:-5024[;:]( (?s).)* | ERMINSAT_RESP_-5024 | FAIL      | Phone Number was non-numeric.                      |
| ((?s).)*RESP:-5025[;:]( (?s).)* | ERMINSAT_RESP_-5025 | FAIL      | IMSI Number was non-numeric.                       |
| ((?s).)*RESP:-5026[;:]( (?s).)* | ERMINSAT_RESP_-5026 | FAIL      | SIM Number was non-numeric.                        |
| ((?s).)*RESP:-5027[;:]( (?s).)* | ERMINSAT_RESP_-5027 | FAIL      | PUK1 Number was non-numeric.                       |
| ((?s).)*RESP:-5028[;:]( (?s).)* | ERMINSAT_RESP_-5028 | FAIL      | PUK2 Number was non-numeric.                       |
| ((?s).)*RESP:-5029[;:]( (?s).)* | ERMINSAT_RESP_-5029 | FAIL      | Voucher Number was non-numeric.                    |
| ((?s).)*RESP:-5030[;:]( (?s).)* | ERMINSAT_RESP_-5030 | FAIL      | SubscriberNAI was non-numeric.                     |
| ((?s).)*RESP:-5031[;:]( (?s).)* | ERMINSAT_RESP_-5031 | FAIL      | Transaction Amount Refill was non-numeric.         |
| ((?s).)*RESP:-5032[;:]( (?s).)* | ERMINSAT_RESP_-5032 | FAIL      | Transaction Amount Refill requires a value.        |
| ((?s).)*RESP:-5033[;:]( (?s).)* | ERMINSAT_RESP_-5033 | FAIL      | Payment Profile ID requires a value.               |
| ((?s).)*RESP:-5034[;:]( (?s).)* | ERMINSAT_RESP_-5034 | FAIL      | Amount is non-numeric.                             |
| ((?s).)*RESP:-5035[;:]( (?s).)* | ERMINSAT_RESP_-5035 | FAIL      | No Rebate Amount entered for any account.          |
| ((?s).)*RESP:-5036[;:]( (?s).)* | ERMINSAT_RESP_-5036 | FAIL      | Promotion Plan Dates overlaps existing allocation. |
| ((?s).)*RESP:-5037[;:]( (?s).)* | ERMINSAT_RESP_-5037 | FAIL      | Promotion Plan Dates are the same.                 |
| ((?s).)*RESP:-5038[;:]( (?s).)* | ERMINSAT_RESP_-5038 | FAIL      | Promotion Start / End dates not in order.          |
| ((?s).)*RESP:-5039[;:]( (?s).)* | ERMINSAT_RESP_-5039 | FAIL      | Promotion Plan Id invalid length.                  |

**Table 2–21 (Cont.) User Defined ASDL Exit Types**

| Search Pattern                 | User Type           | Base Type | Description                                     |
|--------------------------------|---------------------|-----------|---|
| ((?s).*RESP:-5040[;:](?(?s).)* | ERMINSAT_RESP_-5040 | FAIL      | Promotion Plan dates are in the past.           |
| ((?s).*RESP:-5041[;:](?(?s).)* | ERMINSAT_RESP_-5041 | FAIL      | Invalid Promotion Start Date.                   |
| ((?s).*RESP:-5042[;:](?(?s).)* | ERMINSAT_RESP_-5042 | FAIL      | Invalid Promotion End Date.                     |
| ((?s).*RESP:-5043[;:](?(?s).)* | ERMINSAT_RESP_-5043 | FAIL      | Promotion allocation does not exist.            |
| ((?s).*RESP:-5044[;:](?(?s).)* | ERMINSAT_RESP_-5044 | FAIL      | No Debit Amount entered for any account.        |
| ((?s).*RESP:-5045[;:](?(?s).)* | ERMINSAT_RESP_-5045 | FAIL      | Too many rows - please refine search.           |
| ((?s).*RESP:-5046[;:](?(?s).)* | ERMINSAT_RESP_-5046 | FAIL      | Rebate amount out of range.                     |
| ((?s).*RESP:-5047[;:](?(?s).)* | ERMINSAT_RESP_-5047 | FAIL      | Debit amount out of range.                      |
| ((?s).*RESP:-5048[;:](?(?s).)* | ERMINSAT_RESP_-5048 | FAIL      | Payment amount out of range.                    |
| ((?s).*RESP:-5049[;:](?(?s).)* | ERMINSAT_RESP_-5049 | FAIL      | Min value must be less than max value.          |
| ((?s).*RESP:-5050[;:](?(?s).)* | ERMINSAT_RESP_-5050 | FAIL      | FAF Plan Id must be entered.                    |
| ((?s).*RESP:-5051[;:](?(?s).)* | ERMINSAT_RESP_-5051 | FAIL      | FAF Plan description must be entered.           |
| ((?s).*RESP:-5052[;:](?(?s).)* | ERMINSAT_RESP_-5052 | FAIL      | FAF Plan indicator must be entered.             |
| ((?s).*RESP:-5053[;:](?(?s).)* | ERMINSAT_RESP_-5053 | FAIL      | FAF Plan already exists.                        |
| ((?s).*RESP:-5054[;:](?(?s).)* | ERMINSAT_RESP_-5054 | FAIL      | FAF Plan does not exist.                        |
| ((?s).*RESP:-5055[;:](?(?s).)* | ERMINSAT_RESP_-5055 | FAIL      | FAF Plan indicator must be numeric.             |
| ((?s).*RESP:-5056[;:](?(?s).)* | ERMINSAT_RESP_-5056 | FAIL      | FAF Indicator description must be entered.      |
| ((?s).*RESP:-5057[;:](?(?s).)* | ERMINSAT_RESP_-5057 | FAIL      | FAF Indicator already exists.                   |
| ((?s).*RESP:-5058[;:](?(?s).)* | ERMINSAT_RESP_-5058 | FAIL      | FAF Indicator does not exist.                   |
| ((?s).*RESP:-5059[;:](?(?s).)* | ERMINSAT_RESP_-5059 | FAIL      | FAF Indicator out of range.                     |
| ((?s).*RESP:-5080[;:](?(?s).)* | ERMINSAT_RESP_-5080 | FAIL      | Host name must be entered.                      |
| ((?s).*RESP:-5081[;:](?(?s).)* | ERMINSAT_RESP_-5081 | FAIL      | Port number must be entered.                    |
| ((?s).*RESP:-5082[;:](?(?s).)* | ERMINSAT_RESP_-5082 | FAIL      | Port number must be numeric.                    |
| ((?s).*RESP:-5083[;:](?(?s).)* | ERMINSAT_RESP_-5083 | FAIL      | Target node name is unknown.                    |
| ((?s).*RESP:-5084[;:](?(?s).)* | ERMINSAT_RESP_-5084 | FAIL      | If username supplied then password is required. |
| ((?s).*RESP:-5085[;:](?(?s).)* | ERMINSAT_RESP_-5085 | FAIL      | X25 address must be entered.                    |
| ((?s).*RESP:-5086[;:](?(?s).)* | ERMINSAT_RESP_-5086 | FAIL      | IMSI prefix must be numeric.                    |
| ((?s).*RESP:-5087[;:](?(?s).)* | ERMINSAT_RESP_-5087 | FAIL      | X25 address must be numeric.                    |
| ((?s).*RESP:-5090[;:](?(?s).)* | ERMINSAT_RESP_-5090 | FAIL      | Country Code must be entered.                   |

**Table 2–21 (Cont.) User Defined ASDL Exit Types**

| Search Pattern                  | User Type           | Base Type | Description                                      |
|---------------------------------|---------------------|-----------|--|
| ((?s).)*RESP:-5091[;:](?(?s).)* | ERMINSAT_RESP_-5091 | FAIL      | Country code must be numeric.                    |
| ((?s).)*RESP:-5092[;:](?(?s).)* | ERMINSAT_RESP_-5092 | FAIL      | TCP/IP address for SOGHLR not found.             |
| ((?s).)*RESP:-5093[;:](?(?s).)* | ERMINSAT_RESP_-5093 | FAIL      | TCP/IP address for HLR not found.                |
| ((?s).)*RESP:-5094[;:](?(?s).)* | ERMINSAT_RESP_-5094 | FAIL      | CAMEL Profile id must be entered.                |
| ((?s).)*RESP:-5095[;:](?(?s).)* | ERMINSAT_RESP_-5095 | FAIL      | CAMEL Profile description must be entered.       |
| ((?s).)*RESP:-5096[;:](?(?s).)* | ERMINSAT_RESP_-5096 | FAIL      | CAMEL Profile id already exists.                 |
| ((?s).)*RESP:-5097[;:](?(?s).)* | ERMINSAT_RESP_-5097 | FAIL      | CAMEL Detection point must be entered.           |
| ((?s).)*RESP:-5098[;:](?(?s).)* | ERMINSAT_RESP_-5098 | FAIL      | CAMEL profile parameters exists for this update. |
| ((?s).)*RESP:-5099[;:](?(?s).)* | ERMINSAT_RESP_-5099 | FAIL      | CAMEL Detection point must be numeric.           |
| ((?s).)*RESP:-5100[;:](?(?s).)* | ERMINSAT_RESP_-5100 | FAIL      | Target node name is already in use.              |
| ((?s).)*RESP:-5101[;:](?(?s).)* | ERMINSAT_RESP_-5101 | FAIL      | Gateway Failure                                  |
| ((?s).)*RESP:-5102[;:](?(?s).)* | ERMINSAT_RESP_-5102 | FAIL      | Parameter fault                                  |
| ((?s).)*RESP:-5103[;:](?(?s).)* | ERMINSAT_RESP_-5103 | FAIL      | Service execution failed                         |
| ((?s).)*RESP:-5104[;:](?(?s).)* | ERMINSAT_RESP_-5104 | FAIL      | Subscriber not found                             |
| ((?s).)*RESP:-5105[;:](?(?s).)* | ERMINSAT_RESP_-5105 | FAIL      | Account overflow                                 |
| ((?s).)*RESP:-5106[;:](?(?s).)* | ERMINSAT_RESP_-5106 | FAIL      | Account underflow                                |
| ((?s).)*RESP:-5107[;:](?(?s).)* | ERMINSAT_RESP_-5107 | FAIL      | Accumulator overflow                             |
| ((?s).)*RESP:-5108[;:](?(?s).)* | ERMINSAT_RESP_-5108 | FAIL      | Accumulator underflow                            |
| ((?s).)*RESP:-5109[;:](?(?s).)* | ERMINSAT_RESP_-5109 | FAIL      | Dedicated Account not defined                    |
| ((?s).)*RESP:-5110[;:](?(?s).)* | ERMINSAT_RESP_-5110 | FAIL      | Usage Accumulator not defined                    |
| ((?s).)*RESP:-5111[;:](?(?s).)* | ERMINSAT_RESP_-5111 | FAIL      | Invalid Service Class                            |
| ((?s).)*RESP:-5112[;:](?(?s).)* | ERMINSAT_RESP_-5112 | FAIL      | Invalid Old Service Class                        |
| ((?s).)*RESP:-5113[;:](?(?s).)* | ERMINSAT_RESP_-5113 | FAIL      | Invalid New Service Class                        |
| ((?s).)*RESP:-5114[;:](?(?s).)* | ERMINSAT_RESP_-5114 | FAIL      | Invalid Old Language                             |
| ((?s).)*RESP:-5115[;:](?(?s).)* | ERMINSAT_RESP_-5115 | FAIL      | Invalid New Language                             |
| ((?s).)*RESP:-5116[;:](?(?s).)* | ERMINSAT_RESP_-5116 | FAIL      | No Update Values Provided                        |
| ((?s).)*RESP:-5117[;:](?(?s).)* | ERMINSAT_RESP_-5117 | FAIL      | Invalid Old service Expiry Date                  |
| ((?s).)*RESP:-5118[;:](?(?s).)* | ERMINSAT_RESP_-5118 | FAIL      | Invalid Old Airtime Expiry Date                  |
| ((?s).)*RESP:-5119[;:](?(?s).)* | ERMINSAT_RESP_-5119 | FAIL      | New Service Period Too Long                      |

**Table 2–21 (Cont.) User Defined ASDL Exit Types**

| <b>Search Pattern</b>          | <b>User Type</b>    | <b>Base Type</b> | <b>Description</b>                           |
|--------------------------------|---------------------|------------------|--|
| ((?s).*RESP:-5120[;:](?(?s).)* | ERMINSAT_RESP_-5120 | FAIL             | New Airtime Period Too Long                  |
| ((?s).*RESP:-5121[;:](?(?s).)* | ERMINSAT_RESP_-5121 | FAIL             | Temporary Blocking Applied                   |
| ((?s).*RESP:-5122[;:](?(?s).)* | ERMINSAT_RESP_-5122 | FAIL             | Invalid Old Promotion plan                   |
| ((?s).*RESP:-5123[;:](?(?s).)* | ERMINSAT_RESP_-5123 | FAIL             | Invalid Old promotion end date               |
| ((?s).*RESP:-5124[;:](?(?s).)* | ERMINSAT_RESP_-5124 | FAIL             | Invalid Old service class expiry date        |
| ((?s).*RESP:-5125[;:](?(?s).)* | ERMINSAT_RESP_-5125 | FAIL             | Dedicated account overflow                   |
| ((?s).*RESP:-5126[;:](?(?s).)* | ERMINSAT_RESP_-5126 | FAIL             | Dedicated account underflow                  |
| ((?s).*RESP:-5127[;:](?(?s).)* | ERMINSAT_RESP_-5127 | FAIL             | Invalid language                             |
| ((?s).*RESP:-5128[;:](?(?s).)* | ERMINSAT_RESP_-5128 | FAIL             | Subscriber already installed                 |
| ((?s).*RESP:-5129[;:](?(?s).)* | ERMINSAT_RESP_-5129 | FAIL             | Invalid master Subscriber Identifier         |
| ((?s).*RESP:-5130[;:](?(?s).)* | ERMINSAT_RESP_-5130 | FAIL             | Subscriber Identifier already activated      |
| ((?s).*RESP:-5131[;:](?(?s).)* | ERMINSAT_RESP_-5131 | FAIL             | Already (linked) subordinate                 |
| ((?s).*RESP:-5132[;:](?(?s).)* | ERMINSAT_RESP_-5132 | FAIL             | Failed to disconnect                         |
| ((?s).*RESP:-5133[;:](?(?s).)* | ERMINSAT_RESP_-5133 | FAIL             | Deblocking of expired account attempted      |
| ((?s).*RESP:-5134[;:](?(?s).)* | ERMINSAT_RESP_-5134 | FAIL             | one or many dedicated account(s) not defined |
| ((?s).*RESP:-5135[;:](?(?s).)* | ERMINSAT_RESP_-5135 | FAIL             | Usage Accumulator not defined                |
| ((?s).*RESP:-5136[;:](?(?s).)* | ERMINSAT_RESP_-5136 | FAIL             | Promotion plan allocation not found          |
| ((?s).*RESP:-5137[;:](?(?s).)* | ERMINSAT_RESP_-5137 | FAIL             | Invalid promotion plan                       |
| ((?s).*RESP:-5138[;:](?(?s).)* | ERMINSAT_RESP_-5138 | FAIL             | Invalid promotion plan end date              |
| ((?s).*RESP:-5139[;:](?(?s).)* | ERMINSAT_RESP_-5139 | FAIL             | Dedicated Account not allowed                |
| ((?s).*RESP:-5140[;:](?(?s).)* | ERMINSAT_RESP_-5140 | FAIL             | CAMEL Service Key must be numeric.           |
| ((?s).*RESP:-5141[;:](?(?s).)* | ERMINSAT_RESP_-5141 | FAIL             | CAMEL GSA must be numeric.                   |
| ((?s).*RESP:-5144[;:](?(?s).)* | ERMINSAT_RESP_-5144 | FAIL             | FaF number does not exist in list.           |
| ((?s).*RESP:-5201[;:](?(?s).)* | ERMINSAT_RESP_-5201 | FAIL             | Failed to connect to HLR                     |
| ((?s).*RESP:-5202[;:](?(?s).)* | ERMINSAT_RESP_-5202 | FAIL             | Failed to connect to SOGHLR                  |
| ((?s).*RESP:-5203[;:](?(?s).)* | ERMINSAT_RESP_-5203 | FAIL             | Failed to connect to RPC target              |
| ((?s).*RESP:-5204[;:](?(?s).)* | ERMINSAT_RESP_-5204 | FAIL             | Failed to connect to XML target              |



**Table 2–21 (Cont.) User Defined ASDL Exit Types**

| Search Pattern                 | User Type           | Base Type | Description   |
|--------------------------------|---------------------|-----------|---|
| ((?s).*RESP:-5205[;:](?(?s).)* | ERMINSAT_RESP_-5205 | FAIL      | Failed to connect to TCP/IP target  |
| ((?s).*RESP:-5206[;:](?(?s).)* | ERMINSAT_RESP_-5206 | FAIL      | HLR Error Encountered   |
| ((?s).*RESP:-5207[;:](?(?s).)* | ERMINSAT_RESP_-5207 | FAIL      | SOGHLR Error Encountered  |
| ((?s).*RESP:-5208[;:](?(?s).)* | ERMINSAT_RESP_-5208 | FAIL      | NODE Communications Failure   |
| ((?s).*RESP:-5209[;:](?(?s).)* | ERMINSAT_RESP_-5209 | FAIL      | HTTP Error Response   |
| ((?s).*RESP:-5210[;:](?(?s).)* | ERMINSAT_RESP_-5210 | FAIL      | Your daily limit for rebates has been reached                               |
| ((?s).*RESP:-5211[;:](?(?s).)* | ERMINSAT_RESP_-5211 | FAIL      | Your daily limit for credit card top-ups has been reached.                  |
| ((?s).*RESP:-5212[;:](?(?s).)* | ERMINSAT_RESP_-5212 | FAIL      | Your daily limit for debits has been reached                                |
| ((?s).*RESP:-5213[;:](?(?s).)* | ERMINSAT_RESP_-5213 | FAIL      | FaF Error Encountered   |
| ((?s).*RESP:-5214[;:](?(?s).)* | ERMINSAT_RESP_-5214 | FAIL      | Must supply Service Class Id to modify dedicated account amounts            |
| ((?s).*RESP:-5215[;:](?(?s).)* | ERMINSAT_RESP_-5215 | FAIL      | Must supply Action code to modify account.                                  |
| ((?s).*RESP:-5216[;:](?(?s).)* | ERMINSAT_RESP_-5216 | FAIL      | DNS name expansion failure  |
| ((?s).*RESP:-5217[;:](?(?s).)* | ERMINSAT_RESP_-5217 | FAIL      | Account Finder memory allocation failure                                    |
| ((?s).*RESP:-5219[;:](?(?s).)* | ERMINSAT_RESP_-5219 | FAIL      | No DNS host address   |
| ((?s).*RESP:-5220[;:](?(?s).)* | ERMINSAT_RESP_-5220 | FAIL      | Connection refused to DNS server  |
| ((?s).*RESP:-5221[;:](?(?s).)* | ERMINSAT_RESP_-5221 | FAIL      | No response from DNS server   |
| ((?s).*RESP:-5222[;:](?(?s).)* | ERMINSAT_RESP_-5222 | FAIL      | Unknown DNS domain  |
| ((?s).*RESP:-5223[;:](?(?s).)* | ERMINSAT_RESP_-5223 | FAIL      | No data records for domain  |
| ((?s).*RESP:-5224[;:](?(?s).)* | ERMINSAT_RESP_-5224 | FAIL      | Account finder error  |
| ((?s).*RESP:-5225[;:](?(?s).)* | ERMINSAT_RESP_-5225 | FAIL      | DNS FORMERR response  |
| ((?s).*RESP:-5226[;:](?(?s).)* | ERMINSAT_RESP_-5226 | FAIL      | DNS SERVFAIL response   |
| ((?s).*RESP:-5227[;:](?(?s).)* | ERMINSAT_RESP_-5227 | FAIL      | DNS NXDOMAIN response   |
| ((?s).*RESP:-5228[;:](?(?s).)* | ERMINSAT_RESP_-5228 | FAIL      | DNS NOTIMPresponse  |
| ((?s).*RESP:-5229[;:](?(?s).)* | ERMINSAT_RESP_-5229 | FAIL      | DNS REFUSED response  |
| ((?s).*RESP:-5230[;:](?(?s).)* | ERMINSAT_RESP_-5230 | FAIL      | Cannot delete Target. The system must have at least one of this Target Type |
| ((?s).*RESP:-5231[;:](?(?s).)* | ERMINSAT_RESP_-5231 | FAIL      | The target connection details for the specified SDP cannot be found         |
| ((?s).*RESP:-5232[;:](?(?s).)* | ERMINSAT_RESP_-5232 | FAIL      | The SDP IP address cannot be resolved                                       |

**Table 2–21 (Cont.) User Defined ASDL Exit Types**

| Search Pattern                  | User Type           | Base Type | Description  |
|---------------------------------|---------------------|-----------|--|
| ((?s).)*RESP:-5233[;:]( (?s).)* | ERMINSAT_RESP_-5233 | FAIL      | Node must be 6 characters or less  |
| ((?s).)*RESP:-5234[;:]( (?s).)* | ERMINSAT_RESP_-5234 | FAIL      | Invalid IMSI prefix pattern must be * or number[,number]                 |
| ((?s).)*RESP:-5235[;:]( (?s).)* | ERMINSAT_RESP_-5235 | FAIL      | Invalid IMSI prefix pattern ... too long                                 |
| ((?s).)*RESP:-5236[;:]( (?s).)* | ERMINSAT_RESP_-5236 | FAIL      | HLR Mnemonic cannot be spaces  |
| ((?s).)*RESP:-5237[;:]( (?s).)* | ERMINSAT_RESP_-5237 | FAIL      | IMSI prefix in IMSI pattern already exists                               |
| ((?s).)*RESP:-5238[;:]( (?s).)* | ERMINSAT_RESP_-5238 | FAIL      | MSISDN already exists on HLR   |
| ((?s).)*RESP:-5239[;:]( (?s).)* | ERMINSAT_RESP_-5239 | FAIL      | IMSI already exists on HLR   |
| ((?s).)*RESP:-5240[;:]( (?s).)* | ERMINSAT_RESP_-5240 | FAIL      | EOICK and ETICK values must be in range 0-999                            |
| ((?s).)*RESP:-5241[;:]( (?s).)* | ERMINSAT_RESP_-5241 | FAIL      | CAMEL Profile does not exist   |
| ((?s).)*RESP:-5242[;:]( (?s).)* | ERMINSAT_RESP_-5242 | FAIL      | Subscribers are connected to this SDP                                    |
| ((?s).)*RESP:-5243[;:]( (?s).)* | ERMINSAT_RESP_-5243 | FAIL      | Insertion of Charging Community failed                                   |
| ((?s).)*RESP:-5244[;:]( (?s).)* | ERMINSAT_RESP_-5244 | FAIL      | Update of Charging Community failed                                      |
| ((?s).)*RESP:-5245[;:]( (?s).)* | ERMINSAT_RESP_-5245 | FAIL      | Deletion of Charging Community failed                                    |
| ((?s).)*RESP:-5246[;:]( (?s).)* | ERMINSAT_RESP_-5246 | FAIL      | Cannot delete this Community, it is part of one or more Community Groups |
| ((?s).)*RESP:-5247[;:]( (?s).)* | ERMINSAT_RESP_-5247 | FAIL      | Insertion of Charging Community Group failed                             |
| ((?s).)*RESP:-5248[;:]( (?s).)* | ERMINSAT_RESP_-5248 | FAIL      | Update of Charging Community Group failed                                |
| ((?s).)*RESP:-5249[;:]( (?s).)* | ERMINSAT_RESP_-5249 | FAIL      | Deletion of Charging Community Group failed                              |
| ((?s).)*RESP:-5250[;:]( (?s).)* | ERMINSAT_RESP_-5250 | FAIL      | Delete Account Group failed  |
| ((?s).)*RESP:-5251[;:]( (?s).)* | ERMINSAT_RESP_-5251 | FAIL      | Delete Service Offering Description failed                               |
| ((?s).)*RESP:-5252[;:]( (?s).)* | ERMINSAT_RESP_-5252 | FAIL      | Delete Service Offering Plan failed                                      |
| ((?s).)*RESP:-5253[;:]( (?s).)* | ERMINSAT_RESP_-5253 | FAIL      | Insert Account Group failed  |
| ((?s).)*RESP:-5254[;:]( (?s).)* | ERMINSAT_RESP_-5254 | FAIL      | Invalid Service Offering Position. Range is 1-32                         |
| ((?s).)*RESP:-5255[;:]( (?s).)* | ERMINSAT_RESP_-5255 | FAIL      | Insert Service Offering Description failed                               |
| ((?s).)*RESP:-5256[;:]( (?s).)* | ERMINSAT_RESP_-5256 | FAIL      | Insert Service Offering Plan failed                                      |

**Table 2–21 (Cont.) User Defined ASDL Exit Types**

| Search Pattern                 | User Type           | Base Type | Description  |
|--------------------------------|---------------------|-----------|--|
| ((?s).*RESP:-5257[;:](?(?s).)* | ERMINSAT_RESP_-5257 | FAIL      | Account Group does not exist   |
| ((?s).*RESP:-5258[;:](?(?s).)* | ERMINSAT_RESP_-5258 | FAIL      | Update of AccountGroupID on Account table failed                               |
| ((?s).*RESP:-5259[;:](?(?s).)* | ERMINSAT_RESP_-5259 | FAIL      | Update Account Group failed  |
| ((?s).*RESP:-5260[;:](?(?s).)* | ERMINSAT_RESP_-5260 | FAIL      | Update Service Offering Description failed                                     |
| ((?s).*RESP:-5261[;:](?(?s).)* | ERMINSAT_RESP_-5261 | FAIL      | Update Service Offering Plan failed  |
| ((?s).*RESP:-5262[;:](?(?s).)* | ERMINSAT_RESP_-5262 | FAIL      | Delete USSD EOCN failed  |
| ((?s).*RESP:-5263[;:](?(?s).)* | ERMINSAT_RESP_-5263 | FAIL      | Invalid USSD EOCN Code. Range is 1-99  |
| ((?s).*RESP:-5264[;:](?(?s).)* | ERMINSAT_RESP_-5264 | FAIL      | Insert USSD EOCN failed  |
| ((?s).*RESP:-5265[;:](?(?s).)* | ERMINSAT_RESP_-5265 | FAIL      | Update USSD EOCN failed  |
| ((?s).*RESP:-5266[;:](?(?s).)* | ERMINSAT_RESP_-5266 | FAIL      | Community Group does not exist   |
| ((?s).*RESP:-5267[;:](?(?s).)* | ERMINSAT_RESP_-5267 | FAIL      | Retrieval of Community Group data failed                                       |
| ((?s).*RESP:-5268[;:](?(?s).)* | ERMINSAT_RESP_-5268 | FAIL      | Service Offering Bit Map must be numeric value                                 |
| ((?s).*RESP:-5269[;:](?(?s).)* | ERMINSAT_RESP_-5269 | FAIL      | Invalid Service Offering Plan. Mismatch with ServiceOfferingDescription table. |
| ((?s).*RESP:-5270[;:](?(?s).)* | ERMINSAT_RESP_-5270 | FAIL      | Update of ServiceOfferingBitMap on Account table failed                        |
| ((?s).*RESP:-5271[;:](?(?s).)* | ERMINSAT_RESP_-5271 | FAIL      | Account Group ID must be numeric value. Range is 0-9999                        |
| ((?s).*RESP:-5272[;:](?(?s).)* | ERMINSAT_RESP_-5272 | FAIL      | Service Offering Position must be numeric value                                |
| ((?s).*RESP:-5273[;:](?(?s).)* | ERMINSAT_RESP_-5273 | FAIL      | USSD EOCN Code must be numeric value   |
| ((?s).*RESP:-5274[;:](?(?s).)* | ERMINSAT_RESP_-5274 | FAIL      | Service Offering Plan ID must be numeric value. Range is 0-9999                |
| ((?s).*RESP:-5275[;:](?(?s).)* | ERMINSAT_RESP_-5275 | FAIL      | Account Group already exists   |
| ((?s).*RESP:-5276[;:](?(?s).)* | ERMINSAT_RESP_-5276 | FAIL      | USSD EOCN Code does not exist  |
| ((?s).*RESP:-5277[;:](?(?s).)* | ERMINSAT_RESP_-5277 | FAIL      | USSD EOCN Code already exists  |
| ((?s).*RESP:-5278[;:](?(?s).)* | ERMINSAT_RESP_-5278 | FAIL      | Service Offering Description does not exist                                    |
| ((?s).*RESP:-5279[;:](?(?s).)* | ERMINSAT_RESP_-5279 | FAIL      | Service Offering Description already exists                                    |

**Table 2–21 (Cont.) User Defined ASDL Exit Types**

| <b>Search Pattern</b>         | <b>User Type</b>    | <b>Base Type</b> | <b>Description</b>   |
|-------------------------------|---------------------|------------------|--|
| ((?s).)*RESP:-5280[;:](??s.)* | ERMINSAT_RESP_-5280 | FAIL             | Service Offering Plan does not exist   |
| ((?s).)*RESP:-5281[;:](??s.)* | ERMINSAT_RESP_-5281 | FAIL             | Service Offering Plan already exists   |
| ((?s).)*RESP:-5282[;:](??s.)* | ERMINSAT_RESP_-5282 | FAIL             | Invalid value for HLRCommunication. Must be Y or N                                 |
| ((?s).)*RESP:-5283[;:](??s.)* | ERMINSAT_RESP_-5283 | FAIL             | Invalid value for HLRProvisioning. Must be Y or N                                  |
| ((?s).)*RESP:-5284[;:](??s.)* | ERMINSAT_RESP_-5284 | FAIL             | Invalid value for AccHDRSource. Must be M or N                                     |
| ((?s).)*RESP:-5285[;:](??s.)* | ERMINSAT_RESP_-5285 | FAIL             | Invalid value for AccHCDRSource. Must be M or W or N                               |
| ((?s).)*RESP:-5286[;:](??s.)* | ERMINSAT_RESP_-5286 | FAIL             | Invalid value for DateComparison. Must be S or E                                   |
| ((?s).)*RESP:-5287[;:](??s.)* | ERMINSAT_RESP_-5287 | FAIL             | A Community with this ID already exists  |
| ((?s).)*RESP:-5288[;:](??s.)* | ERMINSAT_RESP_-5288 | FAIL             | A Community with this description already exists                                   |
| ((?s).)*RESP:-5289[;:](??s.)* | ERMINSAT_RESP_-5289 | FAIL             | A Community Group with this ID already exists                                      |
| ((?s).)*RESP:-5290[;:](??s.)* | ERMINSAT_RESP_-5290 | FAIL             | A Community Group with this description already exists.                            |
| ((?s).)*RESP:-5291[;:](??s.)* | ERMINSAT_RESP_-5291 | FAIL             | WARNING : System not configured for communication with HLR                         |
| ((?s).)*RESP:-5292[;:](??s.)* | ERMINSAT_RESP_-5292 | FAIL             | WARNING : System not configured for Account History                                |
| ((?s).)*RESP:-5293[;:](??s.)* | ERMINSAT_RESP_-5293 | FAIL             | A USSD EOCN with this description already exists                                   |
| ((?s).)*RESP:-5294[;:](??s.)* | ERMINSAT_RESP_-5294 | FAIL             | An Account Group with this description already exists.                             |
| ((?s).)*RESP:-5295[;:](??s.)* | ERMINSAT_RESP_-5295 | FAIL             | AccountGroupID cannot be set for Subordinate Subscriber                            |
| ((?s).)*RESP:-5296[;:](??s.)* | ERMINSAT_RESP_-5296 | FAIL             | ServiceOfferingPlan cannot be set for Subordinate Subscriber                       |
| ((?s).)*RESP:-5297[;:](??s.)* | ERMINSAT_RESP_-5297 | FAIL             | A ServiceOffering with this Description already exists.                            |
| ((?s).)*RESP:-5298[;:](??s.)* | ERMINSAT_RESP_-5298 | FAIL             | Description exceeds maximum allowed length   |
| ((?s).)*RESP:-5299[;:](??s.)* | ERMINSAT_RESP_-5299 | FAIL             | Search will result in too many hits, increase Number of Refills in search criteria |

**Table 2–21 (Cont.) User Defined ASDL Exit Types**

| Search Pattern                 | User Type           | Base Type | Description  |
|--------------------------------|---------------------|-----------|--|
| ((?s).*RESP:-5300[;:](?(?s).)* | ERMINSAT_RESP_-5300 | FAIL      | MVNO description cannot be blank   |
| ((?s).*RESP:-5301[;:](?(?s).)* | ERMINSAT_RESP_-5301 | FAIL      | MVNO description already exists  |
| ((?s).*RESP:-5302[;:](?(?s).)* | ERMINSAT_RESP_-5302 | FAIL      | MVNO does not exist for this description   |
| ((?s).*RESP:-5303[;:](?(?s).)* | ERMINSAT_RESP_-5303 | FAIL      | Cannot delete owner operator   |
| ((?s).*RESP:-5304[;:](?(?s).)* | ERMINSAT_RESP_-5304 | FAIL      | Cannot delete MVNO, subscribers already allocated, please delete subscribers first |
| ((?s).*RESP:-5306[;:](?(?s).)* | ERMINSAT_RESP_-5306 | FAIL      | Error : Invalid Organization ID  |
| ((?s).*RESP:-5307[;:](?(?s).)* | ERMINSAT_RESP_-5307 | FAIL      | Error : Not Assigned to that Organization  |
| ((?s).*RESP:-5308[;:](?(?s).)* | ERMINSAT_RESP_-5308 | FAIL      | Error : Not Authorized for Operation in the specified Organization                 |
| ((?s).*RESP:-5309[;:](?(?s).)* | ERMINSAT_RESP_-5309 | FAIL      | Subscriber not installed on Account Finder   |
| ((?s).*RESP:-5310[;:](?(?s).)* | ERMINSAT_RESP_-5310 | FAIL      | Subscriber already installed on Account Finder                                     |
| ((?s).*RESP:-5315[;:](?(?s).)* | ERMINSAT_RESP_-5315 | FAIL      | FaF number is out of range   |
| ((?s).*RESP:-5316[;:](?(?s).)* | ERMINSAT_RESP_-5316 | FAIL      | FaF indicator must be numeric  |
| ((?s).*RESP:-5317[;:](?(?s).)* | ERMINSAT_RESP_-5317 | FAIL      | FaF number cannot be blank   |
| ((?s).*RESP:-5318[;:](?(?s).)* | ERMINSAT_RESP_-5318 | FAIL      | FaF indicator cannot be blank  |
| ((?s).*RESP:-5319[;:](?(?s).)* | ERMINSAT_RESP_-5319 | FAIL      | Operator prefix must be entered.   |
| ((?s).*RESP:-5320[;:](?(?s).)* | ERMINSAT_RESP_-5320 | FAIL      | Country code must be entered.  |
| ((?s).*RESP:-5321[;:](?(?s).)* | ERMINSAT_RESP_-5321 | FAIL      | FaF number does not exist in list  |
| ((?s).*RESP:-5322[;:](?(?s).)* | ERMINSAT_RESP_-5322 | FAIL      | Entry already exists for this Country/Operator.                                    |
| ((?s).*RESP:-5323[;:](?(?s).)* | ERMINSAT_RESP_-5323 | FAIL      | No entry exists for this Country/Operator.   |
| ((?s).*RESP:-5324[;:](?(?s).)* | ERMINSAT_RESP_-5324 | FAIL      | Invalid SearchType.  |
| ((?s).*RESP:-5325[;:](?(?s).)* | ERMINSAT_RESP_-5325 | FAIL      | Invalid Date specified.  |
| ((?s).*RESP:-5326[;:](?(?s).)* | ERMINSAT_RESP_-5326 | FAIL      | Search date 2 cannot precede Search date 1   |
| ((?s).*RESP:-5327[;:](?(?s).)* | ERMINSAT_RESP_-5327 | FAIL      | Search MPhone number 2 cannot precede Search MPhone number 1                       |
| ((?s).*RESP:-5328[;:](?(?s).)* | ERMINSAT_RESP_-5328 | FAIL      | Search will result in too many hits, amend search arguments or use Published views |

**Table 2–21 (Cont.) User Defined ASDL Exit Types**

| Search Pattern                   | User Type            | Base Type | Description                                |
|----------------------------------|----------------------|-----------|--|
| ((?s).)*RESP:-5329[;:]( (?s).)*  | ERMINSAT_RESP_-5329  | FAIL      | Subscriber not found in Deleted Subscriber |
| ((?s).)*FORMAT ERROR(?s).*       | ERMINSAT_FORMAT_ERR  | FAIL      | MINSAT Format Error                        |
| ((?s).)*FUNCTIONBUSY(?s).*       | ERMINSAT_FUN_BUSY    | SOFT_FAIL | MINSAT Function Busy                       |
| ((?s).)*UNREASONABLE VALUE(?s).* | ERMINSAT_UNREASN_VAL | FAIL      | MINSAT Unreasonable Error                  |

## UserExitType.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<serviceModel xmlns="http://www.metasolv.com/ServiceActivation/2003/ServiceModel">
  <userDefinedExitType>
    <neDescriptor>
      <softwareLoad>5-1</softwareLoad>
      <technology>MINSAT</technology>
      <neVendor>ERIC</neVendor>
    </neDescriptor>
    <searchPattern>((?s).)*RESP:0[;:]( (?s).)*</searchPattern>
    <userType>ERMINSAT_EXECUTED</userType>
    <baseType>SUCCEED</baseType>
    <description>Provisioning command successful</description>
  </userDefinedExitType>
  .....
</serviceModel >

```

## Service Definition

The ERICSSON\_MINSAT\_5\_1\_SUB\_1\_0 Cartridge 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 about the CSDL parameters in this cartridge. The following table lists and describes the type of parameter information that is included.

**Table 3–1 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.   |
| Type           | <p>Indicates one of the following parameter types:</p> <ul style="list-style-type: none"> <li>■ S - Scalar, specifies the parameter label transmitted on the ASDL command. Scalar parameters are conventional name-value pair parameters.</li> <li>■ 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.</li> <li>■ 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.</li> </ul> <p>For more information on parameter types, refer to the <i>ASAP Developer's Guide</i>.</p> |

**Table 3–1 (Cont.) ASDL Parameter Information**

| Item  | Description  |
|-------|--|
| Class | Indicates one of the following parameter classifications: <ul style="list-style-type: none"> <li>■ R - Required scalar parameter</li> <li>■ O - Optional scalar parameter</li> <li>■ C - Required compound parameter</li> <li>■ N - Optional compound parameter</li> <li>■ M - Mandatory indexed parameter</li> <li>■ I - Optional indexed parameter</li> <li>■ S - Parameter count</li> </ul> |

For a detailed description of the Required and Optional parameter classifications, refer to the *ASAP System Administrator's Guide*.

## CSDL Commands

This cartridge provides the following CSDL commands:

- C\_ERIC-MINSAT\_5-1\_ADD\_ACC-FAF-NUMBER
- C\_ERIC-MINSAT\_5-1\_ADD\_SUB-FAF-NUMBER
- C\_ERIC-MINSAT\_5-1\_ADD\_SUBSCRIBER
- C\_ERIC-MINSAT\_5-1\_DEL\_ACC-FAF-NUMBER
- C\_ERIC-MINSAT\_5-1\_DEL\_SUB-FAF-NUMBER
- C\_ERIC-MINSAT\_5-1\_DEL\_SUBSCRIBER
- C\_ERIC-MINSAT\_5-1\_GET\_ACC-FAF-NUMBER
- C\_ERIC-MINSAT\_5-1\_GET\_ACCOUNT
- C\_ERIC-MINSAT\_5-1\_GET\_SUB-FAF-NUMBER
- C\_ERIC-MINSAT\_5-1\_GET\_SUB-PERSONALDETAILS
- C\_ERIC-MINSAT\_5-1\_GET\_SUBSCRIBER
- C\_ERIC-MINSAT\_5-1\_MOD\_ACC-FAF-NUMBER
- C\_ERIC-MINSAT\_5-1\_MOD\_SUB-FAF-NUMBER
- C\_ERIC-MINSAT\_5-1\_MOD\_SUB-PERSONALDETAILS
- C\_ERIC-MINSAT\_5-1\_MOD\_SUBSCRIBER

### **C\_ERIC-MINSAT\_5-1\_ADD\_ACC-FAF-NUMBER**

Add account Family and Friends number.



**Table 3–2 C\_ERIC-MINSAT\_5-1\_ADD\_ACC-FAF-NUMBER**

| Parameter Name          | Description                                      | Range | Default Value | Type | Class |
|-------------------------|--|-------|---------------|------|-------|
| FAFINDICATOR            | Family and Friends indicator                     | N/A   | N/A           | S    | R     |
| FAFNUMBER               | Family and Friends phone number                  | N/A   | N/A           | S    | R     |
| MASTERSUBSCRIBER NUMBER | Master Subscriber number in international format | N/A   | N/A           | S    | R     |
| NE_ID_ERIC-MINSAT       | Remote Network Element name                      | N/A   | N/A           | S    | R     |

### Mapping to ASDLs

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

**Table 3–3 CSDL to ASDL Mapping**

| CSDL                                 | ASDL                                 |
|--------------------------------------|--------------------------------------|
| C_ERIC-MINSAT_5-1_ADD_ACC-FAF-NUMBER | A_ERIC-MINSAT_5-1_ADD_ACC-FAF-NUMBER |

## C\_ERIC-MINSAT\_5-1\_ADD\_SUB-FAF-NUMBER

Add subscriber Family and Friends number.

**Table 3–4 C\_ERIC-MINSAT\_5-1\_ADD\_SUB-FAF-NUMBER**

| Parameter Name    | Description                               | Range | Default Value | Type | Class |
|-------------------|---|-------|---------------|------|-------|
| FAFINDICATOR      | Family and Friends indicator              | N/A   | N/A           | S    | R     |
| FAFNUMBER         | Family and Friends phone number           | N/A   | N/A           | S    | R     |
| NE_ID_ERIC-MINSAT | Remote Network Element name               | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER  | Subscriber number in international format | N/A   | N/A           | S    | R     |

### Mapping to ASDLs

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

**Table 3–5 CSDL to ASDL Mapping**

| CSDL                                 | ASDL                                 |
|--------------------------------------|--------------------------------------|
| C_ERIC-MINSAT_5-1_ADD_SUB-FAF-NUMBER | A_ERIC-MINSAT_5-1_ADD_SUB-FAF-NUMBER |

## C\_ERIC-MINSAT\_5-1\_ADD\_SUBSCRIBER

Add new subscriber in the SDP, HLR and the MINSAT database.

**Table 3–6 C\_ERIC-MINSAT\_5-1\_ADD\_SUBSCRIBER**

| Parameter Name | Description                | Range | Default Value | Type | Class |
|----------------|----------------------------|-------|---------------|------|-------|
| ACCOUNTGROUP   | Account Group Identifier   | N/A   | N/A           | S    | O     |
| BUSINESSPLAN   | Subscriber business plan   | N/A   | N/A           | S    | R     |
| COMMUNITYGROUP | Community Group Identifier | N/A   | N/A           | S    | O     |
| IMSI           | The IMSI number            | N/A   | N/A           | S    | R     |

**Table 3–6 (Cont.) C\_ERIC-MINSAT\_5-1\_ADD\_SUBSCRIBER**

| Parameter Name          | Description   | Range | Default Value | Type | Class |
|-------------------------|---|-------|---------------|------|-------|
| LANGUAGE                | Subscriber announcement language                          | N/A   | N/A           | S    | O     |
| MASTERSUBSCRIBER NUMBER | Master Subscriber number in international format          | N/A   | N/A           | S    | O     |
| NE_ID_ERIC-MINSAT       | Remote Network Element name                               | N/A   | N/A           | S    | R     |
| ORGANIZATIONID          | The virtual network organization identifier               | N/A   | N/A           | S    | R     |
| PROMOTIONPLAN           | Promotion plan identifier                                 | N/A   | N/A           | S    | O     |
| PROMOTIONPLANE NDDATE   | Promotion plan end date - Conditional on Promotion Plan   | N/A   | N/A           | S    | O     |
| PROMOTIONPLANST ARTDATE | Promotion plan start date - Conditional on Promotion Plan | N/A   | N/A           | S    | O     |
| PUK1                    | Personal unblocking key 1                                 | N/A   | N/A           | S    | O     |
| PUK2                    | Personal unblocking key 2                                 | N/A   | N/A           | S    | O     |
| SDP                     | The SDP identifying name                                  | N/A   | N/A           | S    | O     |
| SERVICEOFFERING         | Service Offering Plan                                     | N/A   | N/A           | S    | O     |
| SIM                     | The SIM number  | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER        | Subscriber number in international format                 | N/A   | N/A           | S    | R     |
| TEMPBLOCKINGSTATUS      | Installation Blocking status                              | N/A   | N/A           | S    | R     |
| USSDENDOFCALL           | The USSD End of Call notification                         | N/A   | N/A           | S    | O     |

### Mapping to ASDLs

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

**Table 3–7 CSDL to ASDL Mapping**

| CSDL                             | ASDL                             |
|----------------------------------|----------------------------------|
| C_ERIC-MINSAT_5-1_ADD_SUBSCRIBER | A_ERIC-MINSAT_5-1_ADD_SUBSCRIBER |

### C\_ERIC-MINSAT\_5-1\_DEL\_ACC-FAF-NUMBER

Delete account Family and Friends number.

**Table 3–8 C\_ERIC-MINSAT\_5-1\_DEL\_ACC-FAF-NUMBER**

| Parameter Name          | Description                                      | Range | Default Value | Type | Class |
|-------------------------|--|-------|---------------|------|-------|
| FAFINDICATOR            | Family and Friends indicator                     | N/A   | N/A           | S    | O     |
| FAFNUMBER               | Family and Friends phone number                  | N/A   | N/A           | S    | O     |
| MASTERSUBSCRIBER NUMBER | Master Subscriber number in international format | N/A   | N/A           | S    | R     |
| NE_ID_ERIC-MINSAT       | Remote Network Element name                      | N/A   | N/A           | S    | R     |

### Mapping to ASDLs

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

**Table 3–9 CSDL to ASDL Mapping**

| CSDL                                 | ASDL                                 |
|--------------------------------------|--------------------------------------|
| C_ERIC-MINSAT_5-1_DEL_ACC-FAF-NUMBER | A_ERIC-MINSAT_5-1_DEL_ACC-FAF-NUMBER |

### C\_ERIC-MINSAT\_5-1\_DEL\_SUB-FAF-NUMBER

Delete subscriber Family and Friends number.

**Table 3–10 C\_ERIC-MINSAT\_5-1\_DEL\_SUB-FAF-NUMBER**

| Parameter Name    | Description                               | Range | Default Value | Type | Class |
|-------------------|---|-------|---------------|------|-------|
| FAFINDICATOR      | Family and Friends indicator              | N/A   | N/A           | S    | O     |
| FAFNUMBER         | Family and Friends phone number           | N/A   | N/A           | S    | O     |
| NE_ID_ERIC-MINSAT | Remote Network Element name               | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER  | Subscriber number in international format | N/A   | N/A           | S    | R     |

### Mapping to ASDLs

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

**Table 3–11 CSDL to ASDL Mapping**

| CSDL                                 | ASDL                                 |
|--------------------------------------|--------------------------------------|
| C_ERIC-MINSAT_5-1_DEL_SUB-FAF-NUMBER | A_ERIC-MINSAT_5-1_DEL_SUB-FAF-NUMBER |

### C\_ERIC-MINSAT\_5-1\_DEL\_SUBSCRIBER

Delete a subscriber from the MINSAT database, SDP, and the HLR.

**Table 3–12 C\_ERIC-MINSAT\_5-1\_DEL\_SUBSCRIBER**

| Parameter Name    | Description                               | Range | Default Value | Type | Class |
|-------------------|---|-------|---------------|------|-------|
| NE_ID_ERIC-MINSAT | Remote Network Element name               | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER  | Subscriber number in international format | N/A   | N/A           | S    | R     |

### Mapping to ASDLs

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

**Table 3–13 CSDL to ASDL Mapping**

| CSDL                             | ASDL                             |
|----------------------------------|----------------------------------|
| C_ERIC-MINSAT_5-1_DEL_SUBSCRIBER | A_ERIC-MINSAT_5-1_DEL_SUBSCRIBER |

### C\_ERIC-MINSAT\_5-1\_GET\_ACC-FAF-NUMBER

Get account Family and Friends number.

**Table 3–14 C\_ERIC-MINSAT\_5-1\_GET\_ACC-FAF-NUMBER**

| Parameter Name    | Description                               | Range | Default Value | Type | Class |
|-------------------|---|-------|---------------|------|-------|
| NE_ID_ERIC-MINSAT | Remote Network Element name               | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER  | Subscriber number in international format | N/A   | N/A           | S    | R     |

### Mapping to ASDLs

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

**Table 3–15 CSDL to ASDL Mapping**

| CSDL                                 | ASDL                                 |
|--------------------------------------|--------------------------------------|
| C_ERIC-MINSAT_5-1_GET_ACC-FAF-NUMBER | A_ERIC-MINSAT_5-1_GET_ACC-FAF-NUMBER |

## C\_ERIC-MINSAT\_5-1\_GET\_ACCOUNT

Get information about a subscriber account from the MINSAT database, the SDP and the HLR.

**Table 3–16 C\_ERIC-MINSAT\_5-1\_GET\_ACCOUNT**

| Parameter Name    | Description                               | Range | Default Value | Type | Class |
|-------------------|---|-------|---------------|------|-------|
| NE_ID_ERIC-MINSAT | Remote Network Element name               | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER  | Subscriber number in international format | N/A   | N/A           | S    | R     |

### Mapping to ASDLs

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

**Table 3–17 CSDL to ASDL Mapping**

| CSDL                          | ASDL                          |
|-------------------------------|-------------------------------|
| C_ERIC-MINSAT_5-1_GET_ACCOUNT | A_ERIC-MINSAT_5-1_GET_ACCOUNT |

## C\_ERIC-MINSAT\_5-1\_GET\_SUB-FAF-NUMBER

Get subscriber Family and Friends number.

**Table 3–18 C\_ERIC-MINSAT\_5-1\_GET\_SUB-FAF-NUMBER**

| Parameter Name    | Description                               | Range | Default Value | Type | Class |
|-------------------|---|-------|---------------|------|-------|
| NE_ID_ERIC-MINSAT | Remote Network Element name               | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER  | Subscriber number in international format | N/A   | N/A           | S    | R     |

### Mapping to ASDLs

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

**Table 3–19 CSDL to ASDL Mapping**

| CSDL                                 | ASDL                                 |
|--------------------------------------|--------------------------------------|
| C_ERIC-MINSAT_5-1_GET_SUB-FAF-NUMBER | A_ERIC-MINSAT_5-1_GET_SUB-FAF-NUMBER |

## C\_ERIC-MINSAT\_5-1\_GET\_SUB-PERSONALDETAILS

Retrieve a subscriber personal details.

**Table 3–20 C\_ERIC-MINSAT\_5-1\_GET\_SUB-PERSONALDETAILS**

| Parameter Name    | Description                               | Range | Default Value | Type | Class |
|-------------------|---|-------|---------------|------|-------|
| NE_ID_ERIC-MINSAT | Remote Network Element name               | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER  | Subscriber number in international format | N/A   | N/A           | S    | R     |

### Mapping to ASDLs

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

**Table 3–21 CSDL to ASDL Mapping**

| CSDL                                      | ASDL                                      |
|---|---|
| C_ERIC-MINSAT_5-1_GET_SUB-PERSONALDETAILS | A_ERIC-MINSAT_5-1_GET_SUB-PERSONALDETAILS |

## C\_ERIC-MINSAT\_5-1\_GET\_SUBSCRIBER

Get information about the static data belonging to a subscriber from the database.

**Table 3–22 C\_ERIC-MINSAT\_5-1\_GET\_SUBSCRIBER**

| Parameter Name    | Description                               | Range | Default Value | Type | Class |
|-------------------|---|-------|---------------|------|-------|
| NE_ID_ERIC-MINSAT | Remote Network Element name               | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER  | Subscriber number in international format | N/A   | N/A           | S    | R     |

### Mapping to ASDLs

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

**Table 3–23 CSDL to ASDL Mapping**

| CSDL                             | ASDL                             |
|----------------------------------|----------------------------------|
| C_ERIC-MINSAT_5-1_GET_SUBSCRIBER | A_ERIC-MINSAT_5-1_GET_SUBSCRIBER |

## C\_ERIC-MINSAT\_5-1\_MOD\_ACC-FAF-NUMBER

Modify account Family and Friends number.

**Table 3–24 C\_ERIC-MINSAT\_5-1\_MOD\_ACC-FAF-NUMBER**

| Parameter Name          | Description                                      | Range | Default Value | Type | Class |
|-------------------------|--|-------|---------------|------|-------|
| FAFINDICATOR            | Family and Friends indicator                     | N/A   | N/A           | S    | R     |
| FAFNUMBER               | Family and Friends phone number                  | N/A   | N/A           | S    | R     |
| MASTERSUBSCRIBER NUMBER | Master Subscriber number in international format | N/A   | N/A           | S    | R     |
| NE_ID_ERIC-MINSAT       | Remote Network Element name                      | N/A   | N/A           | S    | R     |

### Mapping to ASDLs

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

**Table 3–25 CSDL to ASDL Mapping**

| CSDL                                 | ASDL                                 |
|--------------------------------------|--------------------------------------|
| C_ERIC-MINSAT_5-1_MOD_ACC-FAF-NUMBER | A_ERIC-MINSAT_5-1_MOD_ACC-FAF-NUMBER |

## C\_ERIC-MINSAT\_5-1\_MOD\_SUB-FAF-NUMBER

Modify subscriber Family and Friends number.

**Table 3–26 C\_ERIC-MINSAT\_5-1\_MOD\_SUB-FAF-NUMBER**

| Parameter Name    | Description                               | Range | Default Value | Type | Class |
|-------------------|---|-------|---------------|------|-------|
| FAFINDICATOR      | Family and Friends indicator              | N/A   | N/A           | S    | R     |
| FAFNUMBER         | Family and Friends phone number           | N/A   | N/A           | S    | R     |
| NE_ID_ERIC-MINSAT | Remote Network Element name               | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER  | Subscriber number in international format | N/A   | N/A           | S    | R     |

### Mapping to ASDLs

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

**Table 3–27 CSDL to ASDL Mapping**

| CSDL                                 | ASDL                                 |
|--------------------------------------|--------------------------------------|
| C_ERIC-MINSAT_5-1_MOD_SUB-FAF-NUMBER | A_ERIC-MINSAT_5-1_MOD_SUB-FAF-NUMBER |

## C\_ERIC-MINSAT\_5-1\_MOD\_SUB-PERSONALDETAILS

Update or set a subscriber personal details.

**Table 3–28 C\_ERIC-MINSAT\_5-1\_MOD\_SUB-PERSONALDETAILS**

| Parameter Name | Description                   | Range | Default Value | Type | Class |
|----------------|-------------------------------|-------|---------------|------|-------|
| ADDRESS1       | Subscriber personal details 1 | N/A   | N/A           | S    | R     |
| ADDRESS2       | Subscriber personal details 2 | N/A   | N/A           | S    | O     |
| ADDRESS3       | Subscriber personal details 3 | N/A   | N/A           | S    | O     |
| ADDRESS4       | Subscriber personal details 4 | N/A   | N/A           | S    | O     |

**Table 3–28 (Cont.) C\_ERIC-MINSAT\_5-1\_MOD\_SUB-PERSONALDETAILS**

| Parameter Name    | Description   | Range | Default Value | Type | Class |
|-------------------|---|-------|---------------|------|-------|
| DATA1             | Generic customer data field 1 provided for Operator defined purpose | N/A   | N/A           | S    | O     |
| DATA2             | Generic customer data field 2 provided for Operator defined purpose | N/A   | N/A           | S    | O     |
| DATA3             | Generic customer data field 3 provided for Operator defined purpose | N/A   | N/A           | S    | O     |
| DATA4             | Generic customer data field 4 provided for Operator defined purpose | N/A   | N/A           | S    | O     |
| DATA5             | Generic customer data field 5 provided for Operator defined purpose | N/A   | N/A           | S    | O     |
| DATA6             | Generic customer data field 6 provided for Operator defined purpose | N/A   | N/A           | S    | O     |
| DATA7             | Generic customer data field 7 provided for Operator defined purpose | N/A   | N/A           | S    | O     |
| DATA8             | Generic customer data field 8 provided for Operator defined purpose | N/A   | N/A           | S    | O     |
| DATEOFBIRTH       | Date of birth   | N/A   | N/A           | S    | O     |
| FIRSTNAME         | First Name  | N/A   | N/A           | S    | R     |
| NE_ID_ERIC-MINSAT | Remote Network Element name   | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER  | Subscriber number in international format                           | N/A   | N/A           | S    | R     |
| SURNAME           | Surname   | N/A   | N/A           | S    | R     |

### Mapping to ASDLs

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

**Table 3–29 CSDL to ASDL Mapping**

| CSDL                                      | ASDL                                      |
|---|---|
| C_ERIC-MINSAT_5-1_MOD_SUB-PERSONALDETAILS | A_ERIC-MINSAT_5-1_MOD_SUB-PERSONALDETAILS |

### C\_ERIC-MINSAT\_5-1\_MOD\_SUBSCRIBER

Modify a subscriber service class.

**Table 3–30 C\_ERIC-MINSAT\_5-1\_MOD\_SUBSCRIBER**

| Parameter Name    | Description                               | Range | Default Value | Type | Class |
|-------------------|---|-------|---------------|------|-------|
| NEWSERVICECLASS   | Service class                             | N/A   | N/A           | S    | R     |
| NE_ID_ERIC-MINSAT | Remote Network Element name               | N/A   | N/A           | S    | R     |
| OLDSERVICECLASS   | Service class                             | N/A   | N/A           | S    | R     |
| SUBSCRIBERNUMBER  | Subscriber number in international format | N/A   | N/A           | S    | R     |

### Mapping to ASDLs

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

**Table 3-31** CSDL to ASDL Mapping

| CSDL                             | ASDL                             |
|----------------------------------|----------------------------------|
| C_ERIC-MINSAT_5-1_MOD_SUBSCRIBER | A_ERIC-MINSAT_5-1_MOD_SUBSCRIBER |



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## Configuring ASAP to Support Additional NE Instances

You can configure Oracle Communications ASAP (ASAP) to support the ERIC-MINSAT\_5-1-HOST - NEP configuration using the Service Activation Configuration Tool (SACT). Refer to the *ASAP System Administrator's Guide* for more information.

### 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. If necessary, 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.

### Configuration XML File

Below is an example of the Activation.Configuration.XML file for the ERICSSON\_MINSAT\_5\_1\_SUB\_1\_0 Cartridge cartridge.

```
<?xml version="1.0" encoding="UTF-8"?>
<activationConfig
xmlns="http://www.metasolv.com/ServiceActivation/2003/ActivationConfig"
xmlns:cfg="http://www.mslv.com/studio/activation/model/config"
xmlns:route="http://www.mslv.com/studio/activation/model/routing"
xmlns:sm="http://www.metasolv.com/ServiceActivation/2003/ServiceModel"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <connectionPool name="ERMNSTPL">
    <device name="eric_minsat_5_1_telnet_dev1">
      <environment>DEVELOPMENT</environment>
      <lineType>TELNET_CONNECTION</lineType>
    </device>
  </connectionPool>
  <element name="ERIC-MINSAT_5-1-HOST">
    <vendor>ERIC</vendor>
```

```

<technology>MINSAT</technology>
<softwareLoad>5-1</softwareLoad>
<nepServerName>$NEP</nepServerName>
<primaryPool>ERMNSTPL</primaryPool>
<maximumConnections>1</maximumConnections>
<dropTimeout>2</dropTimeout>
<spawnThreshold>10</spawnThreshold>
<killThreshold>8</killThreshold>
<routingElement name="ERIC-MINSAT_5-1-HOST" />
<communicationParameter>
  <label>HOST_IPADDR</label>
  <value>
    <value>127.0.0.1</value>
  </value>
  <description>The host name or IP Address of theremote
NE.</description>
  <lineType>TELNET_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
  <label>PORT</label>
  <value>
    <value>5000</value>
  </value>
  <description>Port number to connect on remote NE
host.</description>
  <lineType>TELNET_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
  <label>OPEN_TIMEOUT</label>
  <value>
    <value>20</value>
  </value>
  <description>Connection timeout in seconds.</description>
  <lineType>TELNET_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
  <label>READ_TIMEOUT</label>
  <value>
    <value>30</value>
  </value>
  <description>Read timeout in seconds.</description>
  <lineType>TELNET_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
  <label>HOST_USERID</label>
  <value>
    <value>User</value>
  </value>
  <description>Login User Name.</description>
  <lineType>TELNET_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
  <label>HOST_PASSWORD</label>
  <value>
    <value>Password</value>
  </value>
  <description>Password for the User.</description>
  <lineType>TELNET_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>

```

```

        <label>PROMPT</label>
        <value>
            <value>Enter command:</value>
        </value>
        <description>Provisioning prompt.</description>
        <lineType>TELNET_CONNECTION</lineType>
    </communicationParameter>
</communicationParameter>
<communicationParameter>
    <label>LOGIN_PROMPT</label>
    <value>
        <value>Login:</value>
    </value>
    <description>Login prompt from the NE</description>
    <lineType>TELNET_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
    <label>PASSWORD_PROMPT</label>
    <value>
        <value>password:</value>
    </value>
    <description>Password prompt from the NE</description>
    <lineType>TELNET_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
    <label>RESPONSELOG</label>
    <value>
        <value>TRUE</value>
    </value>
    <description>Flag to turn off or on Response log.</description>
    <lineType>TELNET_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
    <label>CAI_USERID</label>
    <value>
        <value>User</value>
    </value>
    <description>Login CAI User Name</description>
    <lineType>TELNET_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
    <label>CAI_PASSWORD</label>
    <value>
        <value>Password</value>
    </value>
    <description>Password for CAI User </description>
    <lineType>TELNET_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
    <label>USE_LOGIN</label>
    <value>
        <value>False</value>
    </value>
    <description>Flag to use login</description>
    <lineType>TELNET_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
    <label>USE_CAI_PROMPT</label>
    <value>
        <value>True</value>
    </value>

```

```
        <description>Flag to use prompt</description>
        <lineType>TELNET_CONNECTION</lineType>
    </communicationParameter>
</element>
</activationConfig>
```