Oracle® Communications ASAP Cartridge 1.0 for SONUS GSX9000 7 3 X Cartridge

SONUS GSX9000 7 3 X Cartridge Guide

First Edition

April 2011

ORACLE®

SONUS GSX9000 7 3 X Cartridge Guide, First Edition

Contents

3   Service Definition

4   Configuring ASAP to Support Additional NE Instances

1

Cartridge Overview

This guide provides a detailed description of the SONUS_GSX9000_7_3_X 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 SONUS_GSX9000_7_3_X cartridge provides the ASAP service configuration and network element (NE) interface to activate subscriber services on SONUS-GSX9000_7-3-X_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 Generic Message Based protocol.

Services, Features, and Options

This cartridge supports the following services:

Table 1–1   Supported Services

Service	Description
C_SONUS-GSX9000_7-3-X_ADD_CAS-CHANNEL	Add CAS Channel
C_SONUS-GSX9000_7-3-X_DEL_CAS-CHANNEL	Delete CAS Channel
C_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL	Modify CAS Channel
C_SONUS-GSX9000_7-3-X_QRY_ALL-CAS-CHANNEL	Query All CAS Channel from CAS Service name
C_SONUS-GSX9000_7-3-X_QRY_CAS-CHANNEL	Query CAS Channel
C_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-MODE	Modify CAS Channel mode
C_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-STATE	Modify CAS Channel state
C_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE	Add CAS service
C_SONUS-GSX9000_7-3-X_DEL_CAS-SERVICE	Delete CAS service
C_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE	Modify CAS service
C_SONUS-GSX9000_7-3-X_QRY_CAS-SERVICE	Query CAS service
C_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-MODE	Modify CAS service mode
C_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-STATE	Modify CAS Service state
C_SONUS-GSX9000_7-3-X_ADD_ISDN-BCHANNEL	Adds, configures and places a configuration in the service B-channels.
C_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL	Modifies configuration of B-channels.
C_SONUS-GSX9000_7-3-X_QRY_ISDN-BCHANNEL	Queries the configuration and status of B-channels.
C_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL-MODE	Modifies the operational state B-channels.
C_SONUS-GSX9000_7-3-X_ADD_ ISDN-BCHANNEL-OPERATION	Adds an operation to the designated ISDN B-channel.
C_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL-STATE	Modifies the administrative state of B-channels.
C_SONUS-GSX9000_7-3-X_ADD_ISDN-DCHANNEL	Adds, activates and places the configuration in the service D-channels.
C_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL	Modifies the configuration of D-channels.
C_SONUS-GSX9000_7-3-X_MOD_ ISDN-DCHANNEL-BACKUP-MODE	Modifies the operational state of backup D-channels.
C_SONUS-GSX9000_7-3-X_MOD_ ISDN-DCHANNEL-PRIMARY-MODE	Modifies the operational state of primary D-channels.
C_SONUS-GSX9000_7-3-X_ADD_ISDN-INTERFACE	Adds an ISDN Interface to an ISDN Service.
C_SONUS-GSX9000_7-3-X_DEL_ISDN-INTERFACE	Delete an ISDN interface.
C_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE	Modifies an ISDN interface.
C_SONUS-GSX9000_7-3-X_QRY_ISDN-INTERFACE	Queries an ISDN interface.

Table 1–1   (Cont.) Supported Services

Service	Description
C_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE-STATE	Modifies an ISDN Interface administrative state.
C_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE	Adds an ISDN Service to a trunk group and assigns a name and properties to this binding.
C_SONUS-GSX9000_7-3-X_DEL_ISDN-SERVICE	Deletes an ISDN Service from a trunk group.
C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE	Modifies an ISDN Service to a trunk group.
C_SONUS-GSX9000_7-3-X_QRY_ISDN-SERVICE	Queries an ISDN service in a trunk group.
C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-GROUP	Modifies the ISDN Service Group.
C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-MODE	Modifies an ISDN service to a trunk group operational state.
C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-STATE	Modifies an ISDN service to a trunk group administrative state.
C_SONUS-GSX9000_7-3-X_ADD_ISUP-CIRCUIT	Adds an ISUP Circuit by configuring the trunk CICs (Call Instance Code) associated with a SS7 service.
C_SONUS-GSX9000_7-3-X_DEL_ISUP-CIRCUIT	Deletes an ISUP Circuit by removing the trunk CICs (Call Instance Code) associated with a SS7 service.
C_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT	Modifies the trunk CICs (Call Instance Code) associated with a SS7 service.
C_SONUS-GSX9000_7-3-X_QRY_ALL_ISUP-CIRCUIT	Queries all the trunk CICs (Call Instance Code) associated with a SS7 service.
C_SONUS-GSX9000_7-3-X_QRY_ISUP-CIRCUIT	Queries the trunk CICs (Call Instance Code) associated with a SS7 service.
C_SONUS-GSX9000_7-3-X_ADD_ISUP-CIRCUIT-FAREND	Adds an ISUP Circuit Service Farend.
C_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-MODE	Modifies ISUP operational state.
C_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-STATE	Modifies ISUP administrative state.
C_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE	Adds an ISUP service to a trunk group.
C_SONUS-GSX9000_7-3-X_DEL_ISUP-SERVICE	Removes an ISUP service from a trunk group.
C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE	Modifies an ISUP service to a trunk group.
C_SONUS-GSX9000_7-3-X_QRY_ISUP-SERVICE	Queries an ISUP service in a trunk group.
C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-ACC	Modifies an ISUP ACC service to a trunk group.
C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-GROUP	Modifies the ISUP service group
C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-MODE	Modifies an ISUP service to a trunk group operational state.
C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-STATE	Modifies an ISUP service to a trunk group administrative state.
C_SONUS-GSX9000_7-3-X_ADD_SERVER	Adds the server object to the GSX. It specifies which server modules are administratively configured to exist within this GSX node.
C_SONUS-GSX9000_7-3-X_DEL_SERVER	Deletes the server object from the GSX node.
C_SONUS-GSX9000_7-3-X_QRY_SERVER	Queries the server object on the GSX node.
C_SONUS-GSX9000_7-3-X_MOD_SERVER-MODE	Modifies the server state on the GSX node.

Table 1–1   (Cont.) Supported Services

Service	Description
C_SONUS-GSX9000_7-3-X_MOD_SERVER-STATE	Modifies the server mode on the GSX node.
C_SONUS-GSX9000_7-3-X_QRY_T1-CHANNEL-CONF	Query T1 Channel.
C_SONUS-GSX9000_7-3-X_QRY_T1-CHANNEL-CONF-RB	Rollback Query for T1 Channel Config.
C_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-IDLECODE	Modify T1 channel configuration IDLECODE option.
C_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-LOOPBACK	Modify T1 channel configuration LOOPBACK option.
C_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-MODE	Modify T1 channel configuration MODE option.
C_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-TONE	Modify T1 channel configuration TONE option.
C_SONUS-GSX9000_7-3-X_ADD_T1-FACILITY	Adds T1 circuits that are supported by a Circuit Network Server on the GSX. The T1 circuit is assigned all 24 DS0 channels by default, but any subset of those channels may be specified.
C_SONUS-GSX9000_7-3-X_DIS_T1-FACILITY	Disable operational state and administrative state of a T1 circuits that are supported by a Circuit Network Server on the GSX in order to allow deleting of a server module.
C_SONUS-GSX9000_7-3-X_MOD_T1-FACILITY	Modifies T1 circuit that is supported by a Circuit Network Server on the GSX.
C_SONUS-GSX9000_7-3-X_QRY_T1-FACILITY	Queries a T1 circuit that is supported by a Circuit Network Server on the GSX.
C_SONUS-GSX9000_7-3-X_MOD_T1-FACILITY-MODE	Modifies the T1 circuit operational state that is supported by a Circuit Network Server on the GSX.
C_SONUS-GSX9000_7-3-X_MOD_T1-FACILITY-STATE	Modifies a T1 circuit administrative state that is supported by a Circuit Network Server on the GSX.
C_SONUS-GSX9000_7-3-X_ADD_T1-LOCAL-LOOPBACK	Adds a T1 Local Loopback Type.
C_SONUS-GSX9000_7-3-X_MOD_T1-LOCAL-LOOPBACK	Modifies a T1 Local Loopback Type.
C_SONUS-GSX9000_7-3-X_ADD_T1-PATTERN	Add T1 SENDPATTERN
C_SONUS-GSX9000_7-3-X_ADD_T1-REMOTE-LOOPBACK	Adds a T1 Remote Loopback Type.
C_SONUS-GSX9000_7-3-X_MOD_T1-REMOTE-LOOPBACK	Modifies a T1 Remote Loopback Type.
C_SONUS-GSX9000_7-3-X_ADD_T1-TCAF-STATE	Adds the TCAF state.
C_SONUS-GSX9000_7-3-X_MOD_T1-TCAF-STATE	Modify the TCAF state.
C_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP	Adds a trunk group to allow you to associate service groups with trunk groups between switching systems.
C_SONUS-GSX9000_7-3-X_DEL_TRUNK-GROUP	Removes a trunk group
C_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP	Modifies a trunk group.
C_SONUS-GSX9000_7-3-X_QRY_TRUNK-GROUP	Queries a trunk group.
C_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-MODE	Modifies a trunk group operational state.
C_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-STATE	Modifies a trunk group administrative state.

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	Host IP address
PORT	8123	Telnet Port used by the switch
HOST_USERID	sonus_user	Login User Name
HOST_PASSWORD	sonus_password	Password for the User
OPEN_TIMEOUT	20	Connection timeout in seconds
READ_TIMEOUT	30	Read timeout in seconds
HOST_LOGIN_PROMPT	Login :	Login prompt from the NE, default value is login.
HOST_PASSWORD_PROMPT	Password:	Password prompt from the NE, default value is Password
PROMPT	>	Provisioning prompt
RESPONSELOG	true	Flag to turn off or on Response log
LOGIN_SLEEP	2	Sleep in seconds during login to EMS/GSX before getting prompt
CUSTOM_GSX_LOGIN	false	Set to true when HOST_CLII and MCLI use same name and HOST_CLLI has only one MCLI.

2

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	Indicates one of the following parameter types: ■ S - Scalar, specifies the parameter label transmitted on the ASDL command. Scalar parameters are conventional name-value pair parameters. ■ C - Compound, specifies the base name of the compound parameter transmitted on the ASDL command. A compound parameter contains structures or arrays of information that are represented by a particular structure name or compound parameter name. Each compound parameter can contain a large number of elements. If you use compound parameters, you only require a single entry in the ASAP translation tables to call the compound parameter and all its associated parameter elements. ■ I - Indexed, identifies a parameter that contains a sequential numerical index value to tell the SARM that it should execute the same operation (for example, an ASDL command) for all occurrences of that index. Consequently, if there are several options on a particular CSDL command (OPT1, OPT2, OPT3, etc.), you can specify the OPT parameter as an indexed parameter. When you specify the OPT parameter as an indexed parameter, the SARM generates several occurrences of that same ASDL command and each command has a different value for the option being transmitted to the NEP. For more information on parameter types, refer to the *ASAP Developer's Guide*.

Table 2–1   (Cont.) ASDL Parameter Information

Item	Description
Class	Indicates one of the following parameter classifications: ■ R - Required scalar parameter ■ O - Optional scalar parameter ■ C - Required compound parameter ■ N - Optional compound parameter ■ M - Mandatory indexed parameter ■ I - Optional indexed parameter ■ S - Parameter count

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

ASDL Commands

This cartridge provides the following ASDL commands:

- A_SONUS-GSX9000_7-3-X_ADD_CAS-CHANNEL

- A_SONUS-GSX9000_7-3-X_ADD_CAS-CHANNEL-CONF

- A_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE

- A_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE-CONF

- A_SONUS-GSX9000_7-3-X_ADD_ISDN-BCHANNEL

- A_SONUS-GSX9000_7-3-X_ADD_ISDN-BCHANNEL-OPERATION

- A_SONUS-GSX9000_7-3-X_ADD_ISDN-DCHANNEL-BACKUP

- A_SONUS-GSX9000_7-3-X_ADD_ISDN-DCHANNEL-PRIMARY

- A_SONUS-GSX9000_7-3-X_ADD_ISDN-INTERFACE

- A_SONUS-GSX9000_7-3-X_ADD_ISDN-INTERFACE-CONF

- A_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE

- A_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE-CONF

- A_SONUS-GSX9000_7-3-X_ADD_ISUP-CIRCUIT

- A_SONUS-GSX9000_7-3-X_ADD_ISUP-CIRCUIT-CONF

- A_SONUS-GSX9000_7-3-X_ADD_ISUP-CIRCUIT-FAREND

- A_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE

- A_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE-CONF

- A_SONUS-GSX9000_7-3-X_ADD_ISUP-TG-CONF

- A_SONUS-GSX9000_7-3-X_ADD_SERVER

- A_SONUS-GSX9000_7-3-X_ADD_T1-CIRCUIT

- A_SONUS-GSX9000_7-3-X_ADD_T1-LOCAL-LOOPBACK

- A_SONUS-GSX9000_7-3-X_ADD_T1-PATTERN

- A_SONUS-GSX9000_7-3-X_ADD_T1-REMOTE-LOOPBACK

- A_SONUS-GSX9000_7-3-X_ADD_T1-TCAF-STATE
- A_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP
- A_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP-CONF
- A_SONUS-GSX9000_7-3-X_DEL_CAS-CHANNEL
- A_SONUS-GSX9000_7-3-X_DEL_CAS-SERVICE
- A_SONUS-GSX9000_7-3-X_DEL_ISDN-INTERFACE
- A_SONUS-GSX9000_7-3-X_DEL_ISDN-SERVICE
- A_SONUS-GSX9000_7-3-X_DEL_ISUP-CIRCUIT
- A_SONUS-GSX9000_7-3-X_DEL_ISUP-SERVICE
- A_SONUS-GSX9000_7-3-X_DEL_SERVER
- A_SONUS-GSX9000_7-3-X_DEL_TRUNK-GROUP
- A_SONUS-GSX9000_7-3-X_DISABLE_CAS-CHANNEL-MODE
- A_SONUS-GSX9000_7-3-X_DISABLE_CAS-CHANNEL-STATE
- A_SONUS-GSX9000_7-3-X_DISABLE_CAS-SERVICE-MODE
- A_SONUS-GSX9000_7-3-X_DISABLE_CAS-SERVICE-STATE
- A_SONUS-GSX9000_7-3-X_DISABLE_ISDN-BCHANNEL-MODE
- A_SONUS-GSX9000_7-3-X_DISABLE_ISDN-BCHANNEL-STATE
- A_SONUS-GSX9000_7-3-X_DISABLE_ISDN-DCHANNEL-BACKUP-MODE
- A_SONUS-GSX9000_7-3-X_DISABLE_ISDN-DCHANNEL-PRIMARY-MODE
- A_SONUS-GSX9000_7-3-X_DISABLE_ISDN-INTERFACE-STATE
- A_SONUS-GSX9000_7-3-X_DISABLE_ISDN-SERVICE-MODE
- A_SONUS-GSX9000_7-3-X_DISABLE_ISDN-SERVICE-STATE
- A_SONUS-GSX9000_7-3-X_DISABLE_ISUP-CIRCUIT-MODE
- A_SONUS-GSX9000_7-3-X_DISABLE_ISUP-CIRCUIT-STATE
- A_SONUS-GSX9000_7-3-X_DISABLE_ISUP-SERVICE-MODE
- A_SONUS-GSX9000_7-3-X_DISABLE_ISUP-SERVICE-STATE
- A_SONUS-GSX9000_7-3-X_DISABLE_SERVER-MODE
- A_SONUS-GSX9000_7-3-X_DISABLE_SERVER-STATE
- A_SONUS-GSX9000_7-3-X_DISABLE_T1-CIRCUIT-MODE
- A_SONUS-GSX9000_7-3-X_DISABLE_T1-CIRCUIT-STATE
- A_SONUS-GSX9000_7-3-X_DISABLE_TRUNK-GROUP-MODE
- A_SONUS-GSX9000_7-3-X_DISABLE_TRUNK-GROUP-STATE
- A_SONUS-GSX9000_7-3-X_ENABLE_CAS-CHANNEL-MODE
- A_SONUS-GSX9000_7-3-X_ENABLE_CAS-CHANNEL-STATE
- A_SONUS-GSX9000_7-3-X_ENABLE_CAS-SERVICE-MODE
- A_SONUS-GSX9000_7-3-X_ENABLE_CAS-SERVICE-STATE
- A_SONUS-GSX9000_7-3-X_ENABLE_ISDN-BCHANNEL-MODE

- A_SONUS-GSX9000_7-3-X_ENABLE_ISDN-BCHANNEL-STATE
- A_SONUS-GSX9000_7-3-X_ENABLE_ISDN-DCHANNEL-BACKUP-MODE
- A_SONUS-GSX9000_7-3-X_ENABLE_ISDN-DCHANNEL-PRIMARY-MODE
- A_SONUS-GSX9000_7-3-X_ENABLE_ISDN-INTERFACE-STATE
- A_SONUS-GSX9000_7-3-X_ENABLE_ISDN-SERVICE-MODE
- A_SONUS-GSX9000_7-3-X_ENABLE_ISDN-SERVICE-STATE
- A_SONUS-GSX9000_7-3-X_ENABLE_ISUP-CIRCUIT-MODE
- A_SONUS-GSX9000_7-3-X_ENABLE_ISUP-CIRCUIT-STATE
- A_SONUS-GSX9000_7-3-X_ENABLE_ISUP-SERVICE-MODE
- A_SONUS-GSX9000_7-3-X_ENABLE_ISUP-SERVICE-STATE
- A_SONUS-GSX9000_7-3-X_ENABLE_SERVER-MODE
- A_SONUS-GSX9000_7-3-X_ENABLE_SERVER-STATE
- A_SONUS-GSX9000_7-3-X_ENABLE_T1-CIRCUIT-MODE
- A_SONUS-GSX9000_7-3-X_ENABLE_T1-CIRCUIT-STATE
- A_SONUS-GSX9000_7-3-X_ENABLE_TRUNK-GROUP-MODE
- A_SONUS-GSX9000_7-3-X_ENABLE_TRUNK-GROUP-STATE
- A_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-CONF
- A_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-CONF-RB
- A_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-MODE
- A_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-MODE-RB
- A_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-STATE
- A_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-STATE-RB
- A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-CONF
- A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-CONF-RB
- A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-MODE
- A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-MODE-RB
- A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-STATE
- A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-STATE-RB
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL-MODE
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL-MODE-RB
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL-RB
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL-STATE
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL-STATE-RB
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-BACKUP
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-BACKUP-MODE
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-BACKUP-MODE-RB

- A_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-BACKUP-RB
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-PRIMARY
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-PRIMARY-MODE
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-PRIMARY-MODE-RB
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-PRIMARY-RB
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE-CONF
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE-CONF-RB
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE-STATE
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE-STATE-RB
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-CONF
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-CONF-RB
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-GROUP
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-GROUP-RB
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-MODE
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-MODE-RB
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-STATE
- A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-STATE-RB
- A_SONUS-GSX9000_7-3-X_MOD_ISUP-ACC-RESPONSE
- A_SONUS-GSX9000_7-3-X_MOD_ISUP-ACC-RESPONSE-RB
- A_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-CONF
- A_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-CONF-RB
- A_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-MODE
- A_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-MODE-RB
- A_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-STATE
- A_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-STATE-RB
- A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-ACC
- A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-ACC-RB
- A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-CONF
- A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-CONF-RB
- A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-GROUP
- A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-GROUP-RB
- A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-MODE
- A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-MODE-RB
- A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-STATE
- A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-STATE-RB
- A_SONUS-GSX9000_7-3-X_MOD_SERVER-MODE
- A_SONUS-GSX9000_7-3-X_MOD_SERVER-MODE-RB

- A_SONUS-GSX9000_7-3-X_MOD_SERVER-STATE
- A_SONUS-GSX9000_7-3-X_MOD_SERVER-STATE-RB
- A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-IDLECODE
- A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-IDLECODE-RB
- A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-LOOPBACK
- A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-LOOPBACK-RB
- A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-MODE
- A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-MODE-RB
- A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-TONE
- A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-TONE-RB
- A_SONUS-GSX9000_7-3-X_MOD_T1-CIRCUIT
- A_SONUS-GSX9000_7-3-X_MOD_T1-CIRCUIT-MODE
- A_SONUS-GSX9000_7-3-X_MOD_T1-CIRCUIT-MODE-RB
- A_SONUS-GSX9000_7-3-X_MOD_T1-CIRCUIT-RB
- A_SONUS-GSX9000_7-3-X_MOD_T1-CIRCUIT-STATE
- A_SONUS-GSX9000_7-3-X_MOD_T1-CIRCUIT-STATE-RB
- A_SONUS-GSX9000_7-3-X_MOD_T1-LOCAL-LOOPBACK
- A_SONUS-GSX9000_7-3-X_MOD_T1-LOCAL-LOOPBACK-RB
- A_SONUS-GSX9000_7-3-X_MOD_T1-REMOTE-LOOPBACK
- A_SONUS-GSX9000_7-3-X_MOD_T1-REMOTE-LOOPBACK-RB
- A_SONUS-GSX9000_7-3-X_MOD_T1-TCAF-STATE
- A_SONUS-GSX9000_7-3-X_MOD_T1-TCAF-STATE-RB
- A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-CONF
- A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-CONF-RB
- A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-MODE
- A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-MODE-RB
- A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-STATE
- A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-STATE-RB
- A_SONUS-GSX9000_7-3-X_QRY_ALL-CAS-CHANNEL
- A_SONUS-GSX9000_7-3-X_QRY_ALL_ISUP-CIRCUIT
- A_SONUS-GSX9000_7-3-X_QRY_CAS-CHANNEL
- A_SONUS-GSX9000_7-3-X_QRY_CAS-SERVICE
- A_SONUS-GSX9000_7-3-X_QRY_ISDN-BCHANNEL
- A_SONUS-GSX9000_7-3-X_QRY_ISDN-INTERFACE
- A_SONUS-GSX9000_7-3-X_QRY_ISDN-SERVICE
- A_SONUS-GSX9000_7-3-X_QRY_ISUP-CIRCUIT
- A_SONUS-GSX9000_7-3-X_QRY_ISUP-SERVICE

- A_SONUS-GSX9000_7-3-X_QRY_SERVER
- A_SONUS-GSX9000_7-3-X_QRY_T1-CHANNEL-CONF
- A_SONUS-GSX9000_7-3-X_QRY_T1-CHANNEL-CONF-RB
- A_SONUS-GSX9000_7-3-X_QRY_T1-CIRCUIT
- A_SONUS-GSX9000_7-3-X_QRY_TRUNK-GROUP

A_SONUS-GSX9000_7-3-X_ADD_CAS-CHANNEL

Add CAS Channel. It is implemented by the Java method
**com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningCasChannel.addCASChannel.**

Table 2–2   A_SONUS-GSX9000_7-3-X_ADD_CAS-CHANNEL

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
CAS_CHAN_ SERVICENAME	The name of the CAS service to which the channels are being assigned.	N/A	N/A	S	R
CAS_CHAN_PORT	The automatically created (and possibly changed) name of the T1 or E1 span that is assigned to the CAS channels.	N/A	N/A	S	R
CAS_CHAN_ CHANRANGE	A set of channels. Must be one or more ranges of channels within the overall range 1-31.	N/A	N/A	S	R
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

```
This method creates a CAS Service Channel on GSX.

Command:
CREATE CAS CHANNEL SERVICE servicename PORT portnumber CHANNEL channelrange
```

Output Parameters

GSX_ADD_CAS_CHANNEL_RETCODE as CSDL parameter to the SARM table TBL_
SRQ_PARM.

GSX_ADD_CAS_CHANNEL_RETCODE as INFO parameter to the SARM table TBL_
INFO_PARM.

A_SONUS-GSX9000_7-3-X_ADD_CAS-CHANNEL-CONF

Add CAS Channel configuration. It is implemented by the Java method
**com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningCasChannel.addCASChannelConf.**

Table 2–3   A_SONUS-GSX9000_7-3-X_ADD_CAS-CHANNEL-CONF

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
CAS_CHAN_ SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
CAS_CHAN_PORT	The automatically created (and possibly changed) name of the T1 or E1 span that is assigned to the CAS channels.	N/A	N/A	S	R
CAS_CHAN_ CHANRANGE	A set of channels. Must be one or more ranges of channels within the overall range 1-31.	N/A	N/A	S	R
CAS_CHAN_ CIRCUITPROFILE	The name of the Circuit Service Profile that you are applying to the designated channels.	N/A	N/A	S	O
CAS_CHAN_ DIRECTION	The direction of traffic allowed on the designated channel(s).	N/A	N/A	S	O
CAS_CHAN_ TMEMBER	A range of numbers with a one-to-one correspondence to the CHANNEL range that uniquely identifies the circuit endpoints within the trunk group. The GSX software maintains a list of available trunk member numbers for every trunk group. The size of the range must equal size of the CHANNEL range and each member of the range must be available.	N/A	N/A	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

```
This method adds CAS Service Channel Configuration on GSX.

Command:

CONFIGURE CAS CHANNEL SERVICE servicename ..
PORT port
CHANNEL chanrange
CIRCUITPROFILE circuitprofilename
DIRECTION direction
TRUNK MEMBER tmember
```

Output Parameters

GSX_ADD_CAS_CHANNEL_CONF_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ADD_CAS_CHANNEL_CONF_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM.

A_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE

Add CAS service. It is implemented by the Java method
**com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningCasService.addCASService.**

Table 2–4   A_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
CAS_SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

```
This method created a CAS Service on GSX.

Command:
CREATE CAS SERVICE servicename
```

Output Parameters

GSX_ADD_CAS_SERVICE_RETCODE as CSDL parameter to the SARM table TBL_
SRQ_PARM.

GSX_ADD_CAS_SERVICE_RETCODE as INFO parameter to the SARM table TBL_
INFO_PARM.

A_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE-CONF

Add CAS Service configuration. It is implemented by the Java method
**com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningCasService.addCASServiceConf.**

Table 2–5   A_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
CAS_SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
CAS_TRUNKGROUP	The name of the trunk group of which this CAS service is a member.	N/A	N/A	S	O
CAS_HUNT	The hunt algorithm used to select channels for calls made to or from this service group.	N/A	N/A	S	O
CAS_COST	The (relative) routing cost to the CAS service group. Must be 0-100, default is 50. A value of 100 represents the highest possible cost.	N/A	N/A	S	O

Table 2–5   (Cont.) A_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
CAS_SIGNALTYPE	The CAS signaling type in use throughout the service.	N/A	N/A	S	O
CAS_INGRESS_SSP	Name of the signaling sequence profile to use for all ingress calls.	N/A	N/A	S	O
CAS_EGRESS_SSP	Name of the signaling sequence profile to use for all egress calls.	N/A	N/A	S	O
CAS_HOOKFLASH_SSP	Name of the signaling sequence profile to execute whenever a hook flash is detected on an egress CAS channel in a connected call. This SSP is not meaningful for SIGNALTYPEs lsFxs, gsFxs, and mfcr2.	N/A	N/A	S	O
CAS_PSC_SSP	Name of the signaling sequence profile to execute for a permanent signal condition (PSC). PSC occurs when the GSX has gone on-hook at the end of its call but the far end remains off-hook. After disconnect treatment processing completes for this call, this SSP will be executed.	N/A	N/A	S	O
CAS_MAINTBUSY	Specifies whether the (T1 or E1) channels are taken off-hook when they are put into maintenance mode (either manually or automatically).	N/A	N/A	S	O
CAS_DTMFPROFILE	Name of the DTMF tone profile. This profile defines parameters specific to DTMF tone generation. The defaultDtmf profile is used by default for this function.	N/A	N/A	S	O
CAS_MFPROFILE	Name of the MF tone profile. This profile defines parameters specific to MF tone generation. The defaultMfr1 profile is used by default for this function.	N/A	N/A	S	O
CAS_CPTONEPKG	Name of the call progress tone package. This profile defines ring back tones, dial tones, etc. The default profile is used by default for this function.	N/A	N/A	S	O
CAS_CPTONEREQ	Specifies whether call progress tones are required on ingress calls.	N/A	N/A	S	O
CAS_CPTONEPROV	Specifies whether call progress tones are provided by the far end switch on egress calls.	N/A	N/A	S	O
CAS_RXWINKMIN	The minimum wink receive time. Must be 100-800, default is 100 (milliseconds).	N/A	N/A	S	O
CAS_RXWINKMAX	The maximum wink receive time. Must be 100-800, default is 700 (milliseconds).	N/A	N/A	S	O
CAS_RXFLASHMIN	The minimum flash receive time. Must be 300-1100, default is 300 (milliseconds).	N/A	N/A	S	O

Table 2–5   (Cont.) A_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
CAS_RXFLASHMAX	The maximum flash receive time. Must be 300-1100, default is 700 (milliseconds). This parameter does not apply to loop start / ground start FXS.	N/A	N/A	S	O
CAS_TXWINK	The wink transmit time. Must be 100-800, default is 200 (milliseconds).	N/A	N/A	S	O
CAS_TXFLASH	The flash transmit time. Must be 300-1100, default is 500 (milliseconds). This parameter is not meaningful for SIGNALTYPEs lsFxo and gsFxo.	N/A	N/A	S	O
CAS_GUARDTIME	The minimum time to allow the on-hook to propagate through the network when the call is terminated at the GSX. This interval allows the far end time to reuse the channel. The GSX will not reuse this channel until this interval expires. Must be 100-1500, default is 800 (milliseconds).	N/A	N/A	S	O
CAS_ AUTOBUSYTHRESHO LD	The number of signaling errors which are allowed prior to placing the channel into auto maintenance state. Once in this state the channel must be returned to service from the CLI. Must be 0-255, default is 0. Setting this field to 0 disables auto maintenance processing.	N/A	N/A	S	O
CAS_DTPROFILE	The name of the CAS Disconnect Treatment Profile that will be used to map a disconnect reason code to a Disconnect Signaling Sequence Profile (SSP) for this service group.	N/A	N/A	S	O
CAS_SUSPENDTIME	The timeout value in milliseconds before a call in which the called party disconnected first is terminated.	N/A	N/A	S	O
CAS_SWITCHSIDE	The switch side the CAS Service Group should emulate.	N/A	N/A	S	O
CAS_SIGVARIANT	The signaling variant that the CAS service group should emulate.	N/A	N/A	S	O
CAS_ BNUMENDDIGIT	BNUM End of Digits. Specifies whether the BNUM (or called party number/DNIS) should be terminated with the end of digits signal when dialed from the GSX.	N/A	N/A	S	O
CAS_MFCR2PROFILE	The name of the DSP Digit Profile used for MFCR2 digit reception and generation. This profile is meaningful only when SIGNALTYPE is mfcr2.	N/A	N/A	S	O
CAS_ CLRTOIDLETIME	Specifies the time, in milliseconds, that must elapse after a clear forward is received in order for a channel to be considered idle. This timer runs in parallel with the existing (and configurable) guard timer.	N/A	N/A	S	O

Table 2–5   (Cont.) A_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
CAS_E1CBIT	Specifies the value of the forward/backward line signaling Cbit on E1 channels. This parameter is meaningful only when SIGNALTYPE is mfcr2.	N/A	N/A	S	O
CAS_E1DBIT	Specifies the value of the forward/backward line signaling Dbit on E1 channels. This parameter is meaningful only when SIGNALTYPE is mfcr2.	N/A	N/A	S	O
CAS_MGCPACKAGE	The package used to control a particular CAS service for MGCP.	N/A	N/A	S	O
CAS_ANSUPVTO	When answer supervision is enabled, specifies the timeout period, in seconds, from the egress receiving the first backwards message from the called party exchange (Call Proceeding, Alerting, Call Progress) until the call is answered. If the timeout period expires, the answer supervision action specified is triggered.	N/A	N/A	S	O
CAS_LSGSANSWERSUPV	Specifies whether line side answer supervision is supported.	N/A	N/A	S	O
CAS_RXSEIZERING	Specifies the time interval, in milliseconds, that a seizure signal must be received in order to be considered a seizure/ ring.	N/A	N/A	S	O
CAS_RXFXSANSWER	Specifies the time interval, in milliseconds, that the RLCF signal must be received in order to be considered an answer. This parameter is only meaningful for SIGNALTYPEs lsFxs and gsFxs.	N/A	N/A	S	O
CAS_RXFXSDISC	Specifies the time interval, in milliseconds, that the LCFO signal must be received in order to be considered a disconnect. This parameter is meaningful only for SIGNALTYPEs lsFxS and gsFxs.	N/A	N/A	S	O
CAS_RXLSFXSRINGCESS	Specifies the time interval, in milliseconds, that the lack of a Ring signal must be detected in order to be considered an abandoned call. This parameter is meaningful only for SIGNALTYPE lsFxs.	N/A	N/A	S	O
CAS_TXLSFXODISC	Specifies the time interval, in milliseconds, that the LCFO signal must be transmitted by the foreign exchange office (FXO) side in order to release a call. When you specify a value of 0, the LCFO signal is disabled. This parameter is meaningful only for SIGNALTYPE lsFxo.	N/A	N/A	S	O

Table 2–5   (Cont.) A_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
CAS_TXFXORINGON	Specifies the time interval, in milliseconds, that the Ring on signal must be transmitted by the FXO side. This parameter is meaningful only for SIGNALTYPEs lsFxo and gsFxo.	N/A	N/A	S	O
CAS_TXFXORINGOFF	Specifies the time interval, in milliseconds, that the Ring off signal must be transmitted by the FXO side. This parameter is meaningful only for SIGNALTYPEs lsFxo and gsFxo.	N/A	N/A	S	O
CAS_CBPROFNO	The index number of the CRANKBACK PROFILE to use with this CAS service group.	N/A	N/A	S	O
CAS_ANUMLENGTH	For R2, specifies the length of a transmitted calling party number. A value of 0 implies variable length terminated by an end of digits signal. Otherwise, the value specifies the fixed length of the calling party number.	N/A	N/A	S	O
CAS_TXR2ENDDIGIT	For R2, specifies the transmit end of the digits signal.	N/A	N/A	S	O
CAS_RXR2SEIZE	For R2, specifies the duration (in milliseconds) that a seize signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_RXR2SEIZEACK	For R2, specifies the duration (in milliseconds) that a seize ACK signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_RXR2ANSWER	For R2, specifies the duration (in milliseconds) that an answer signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_ RXR2CLEARBACK	For R2, specifies the duration (in milliseconds) that a clear back signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_ RXR2CLEARFWD	For R2, specifies the duration (in milliseconds) that a clear forward signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_RXR2IDLEBACK	For R2, specifies the duration (in milliseconds) that an idle back signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_RXR2BLOCK	For R2, specifies the duration (in milliseconds) that a block signal must be present before it is considered a valid signal.	N/A	N/A	S	O

Table 2–5 (Cont.) A_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
CAS_CGRTIMEOUT	The time (in seconds) to wait to release a call when that call was rejected due to congestion. This parameter effectively prevents the machine congestion level from escalating due to rapid repeated call attempts by equipment that does not support congestion detection.	N/A	N/A	S	O
CAS_MODE	The operational state of the CAS service.	N/A	N/A	S	O
CAS_ACTION	The method by which calls on the channels using this CAS service are processed when oper-state goes to outOfService.	N/A	N/A	S	O
CAS_TIMEOUT	The time (in minutes) to wait to place the CAS channels in the outOfService oper-state.	N/A	N/A	S	O
CAS_GROUP	An operation to be applied to the underlying CAS service group.	N/A	N/A	S	O
CAS_STATE	The administrative state of this CAS service group.	N/A	N/A	S	O
CAS_SKIP_CB_PROF	The index number of the SKIP CRANKBACK PROFILE to use with this CAS service group. This must specify a valid Skip Crankback profile index	N/A	N/A	S	O
CAS_LDC_ACTION	Specifies the action to take if the Long Duration Call (LDC) timer expires. The call may be released, a SNMP trap may be generated, or both	N/A	N/A	S	O
CAS_LDC_ EMERGENCY_CALLS	Specifies whether emergency calls should be excluded from, or included in Long Duration Call (LDC) disconnect procedures	N/A	N/A	S	O
CAS_LDC_RELEASE_ CAUSE	Specifies the GSX disconnect reason used to release the call if the call is released due to Long Duration Call (LDC) timer expiry	N/A	N/A	S	O
CAS_LDC_TIMEOUT	Specifies the timeout value of the Long Duration Call (LDC) timer in minutes.	N/A	N/A	S	O
CAS_TXOSI	For Visual Message Waiting Indicator, specifies the length (in milliseconds) that the Open Switching Interval (OSI) signal is sent	N/A	N/A	S	O
CAS_CALLWAITING_ CALLERID_SSP	Specifies a CAS Signaling Sequence Profile (SSP) to execute for call waiting caller ID.	N/A	N/A	S	O

MML commands

MML Syntax :

This method adds CAS Service Configuration on GSX.

Command:

```
 CONFIGURE CAS SERVICE servicename PROFILENAME profilename
 TRUNKGROUP tgname
 HUNT hunt
 COST cost
 SIGNALTYPE signaltype
 INGRESS_SSP ingrsspname
 EGRESS_SSP egrsspname
 HOOKFLASH_SSP hkfsspname
 PSC_SSP pscsspname
 MAINTBUSY maintbusy
 DTMFPROFILE dtmfprofile
 MFPROFILE mfprofile
 CPTONEPKG cptonepkg
 CPTONEREQ cptonereq
 CPTONEPROV cptoneprov
 RXWINKMIN rxwinkmin
 RXWINKMAX rxwinkmax
 RXFLASHMIN rxflashmin
 RXFLASHMAX rxflashmax
 TXWINK txwink
 TXFLASH txflash
 GUARDTIME guardtime
 AUTOBUSYTHRESHOLD autobusy
 DTPROFILE dtprofile
 SUSPENDTIME suspendtime
 SWITCHSIDE switchside
 SIGVARIANT sigvariant
 BNUMENDDIGIT bnumenddigit
 MFCR2PROFILE mfcr2profile
 CLRTOIDLETIME clrtoidletime
 E1CBIT e1cbit
 E1DBIT e1dbit
 MGCPACKAGE mgcpackage
 ANSWER SUPERVISION TIMEOUT ansupvto
 LSGSANSWERSUPV lsgsanswersupv
 RXSEIZERING rxseizering
 RXFXSANSWER rxfxsanswer
 RXFXSDISC rxfxsdisc
 RXLSFXSRINGCESS rxlsfxsringcess
 TXLSFXODISC txlsfxodisc
 TXFXORINGON txfxoringon
 TXFXORINGOFF txfxoringoff
 CRANKBACK PROFILE cbprofno
 SKIP CRANKBACK PROFILE skipcbprofile
 ANUMLENGTH anumlength
 TXR2ENDDIGIT txr2enddigit
 RXR2SEIZE rxr2seize
 RXR2SEIZEACK rxr2seizeack
 RXR2ANSWER rxr2answer
 RXR2CLEARBACK rxr2clearback
 RXR2CLEARFWD rxr2clearfwd
 RXR2IDLEBACK rxr2idleback
 RXR2BLOCK rxr2block
 CONGESTION RELEASE TIMER cgrtimeout
 LDC ACTION ldcaction
 LDC EMERGENCY CALLS ldcemergcalls
 LDC RELEASE CAUSE ldcrelcause
```

```
LDC TIMEOUT ldctimeout
CALLWAITING CALLERID SSP calleridssp
TXOSI txosi
```

Output Parameters

GSX_ADD_CAS_SERVICE_CONF_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ADD_CAS_SERVICE_CONF_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM.

A_SONUS-GSX9000_7-3-X_ADD_ISDN-BCHANNEL

Adds a configuration for ISDN B-channel(s). It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.addISDNBChannel.**

Table 2–6   A_SONUS-GSX9000_7-3-X_ADD_ISDN-BCHANNEL

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
INTERFACE	The number of the ISDN Interface that contains the designated B-channels. Must be 0-20.	N/A	N/A	S	R
BCHANNEL	A single B-channel number or a set of B-channels. Must be one or more ranges of Bchannels within the overall range 1-23.	N/A	N/A	S	R
CIRCUITPROFILENA ME	The name of the Circuit Service Profile that you are applying to the designated B-channels.	N/A	N/A	S	O
BCHANNEL_ DIRECTION	The direction of traffic allowed on the designated Bchannel(s): twoWay (accept all calls), oneWayIn (accept only inbound calls), oneWayOut (accept only outbound calls).	N/A	N/A	S	O
BCHANNEL_TRUNK_ MEMBER	A number that uniquely identifies this circuit endpoint within the trunk group. The GSX software maintains a list of available trunk member numbers for every trunk group. The trunk member number that is assigned to the BCHANNEL number must be available. Must be 0-65535.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN BCHANNEL SERVICE servicename ..
INTERFACE interface
BCHANNEL bchannel or bchannelrange
CIRCUITPROFILENAME circuitprofilename
```

```
DIRECTION direction
TRUNK MEMBER tmember-no
TRUNK MEMBER UNSET
```

Output Parameters

GSX_ADD_ISDN_BCHANNEL_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ADD_ISDN_BCHANNEL_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ADD_ISDN-BCHANNEL-OPERATION

Adds an operation to the designated ISDN B-channel. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningISDN.addISDNBChannelOperation.**

Table 2–7   A_SONUS-GSX9000_7-3-X_ADD_ISDN-BCHANNEL-OPERATION

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
INTERFACE	The number of the ISDN Interface that contains the designated B-channels. Must be 0-20.	N/A	N/A	S	R
BCHANNEL	A single B-channel number or a set of B-channels. Must be one or more ranges of Bchannels within the overall range 1-23.	N/A	N/A	S	R
BCHANNEL_ OPERATION	An operation to be applied to the designated B-channel(s): restart (restart the B-channel).	N/A	restart	S	R

MML commands

MML Syntax :

```
CONFIGURE ISDN BCHANNEL SERVICE servicename ..
INTERFACE interface
BCHANNEL bchannelrange or  bchannel
BCHANNEL operation
```

Output Parameters

GSX_ADD_ISDN_BCHANNEL_OPERATION_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ADD_ISDN_BCHANNEL_OPERATION_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ADD_ISDN-DCHANNEL-BACKUP

Adds a configuration for ISDN backup D-channel. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.addISDNDChannelBackup.**

Table 2–8   A_SONUS-GSX9000_7-3-X_ADD_ISDN-DCHANNEL-BACKUP

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
BACKUP_INTERFACE	The ISDN service group backup D-channel interface. Must be 0-20, default is 1.	N/A	N/A	S	R
BACKUP_TIMESLOT	The ISDN service group backup D-channel time slot. Must be 0-31, default is 24, or 16 when SWITCHTYPE is euroIsdn.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename ..
BACKUP DCHANNEL INTERFACE pdi
BACKUP DCHANNEL TIMESLOT pdts
```

Output Parameters

GSX_ADD_ISDN_DCHANNEL_BACKUP_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ADD_ISDN_DCHANNEL_BACKUP_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ADD_ISDN-DCHANNEL-PRIMARY

Adds a configuration for ISDN primary D-channel. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.addISDNDChannelPrimary.**

Table 2–9   A_SONUS-GSX9000_7-3-X_ADD_ISDN-DCHANNEL-PRIMARY

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R

Table 2–9 (Cont.) A_SONUS-GSX9000_7-3-X_ADD_ISDN-DCHANNEL-PRIMARY

Parameter Name	Description	Range	Default Value	Type	Class
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
PRIMARY_INTERFACE	The ISDN service group primary D-channel interface. Must be 0-20, default is 0.	N/A	N/A	S	R
PRIMARY_TIMESLOT	The ISDN service group primary D-channel time slot. Must be 0-31, default is 24, or 16 when SWITCHTYPE is euroIsdn.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename ..
PRIMARY DCHANNEL INTERFACE pdi
PRIMARY DCHANNEL TIMESLOT pdts
```

Output Parameters

GSX_ADD_ISDN_DCHANNEL_PRIMARY_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ADD_ISDN_DCHANNEL_PRIMARY_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ADD_ISDN-INTERFACE

Adds am ISDN interface to an ISDN service. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.addISDNInterface.**

Table 2–10 A_SONUS-GSX9000_7-3-X_ADD_ISDN-INTERFACE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which this ISDN Interface is linked.	N/A	N/A	S	R
INTERFACE	The Q.931 interface identifier. Must be 0-19 or 1-20.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CREATE ISDN INTERFACE SERVICE servicename ..
INTERFACE interface
```

Output Parameters

GSX_ADD_ISDN_INTERFACE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ADD_ISDN_INTERFACE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ADD_ISDN-INTERFACE-CONF

Adds an ISDN interface configuration. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.addISDNInterfaceConf.**

Table 2–11   A_SONUS-GSX9000_7-3-X_ADD_ISDN-INTERFACE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which this ISDN Interface is linked.	N/A	N/A	S	R
INTERFACE	The Q.931 interface identifier. Must be 0-19 or 1-20.	N/A	N/A	S	R
ISDN_INTERFACE_ T1NAME	The automatically created name of the T1 or E1 span that is assigned to the ISDN interface.	N/A	N/A	S	O
ISDN_INTERFACE_ SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
ISDN_INTERFACE_ SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
ISDN_INTERFACE_ SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
ISDN_INTERFACE_ PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN INTERFACE SERVICE servicename ..
INTERFACE interface PORT port
```

Output Parameters

GSX_ADD_ISDN_INTERFACE_CONF_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ADD_ISDN_INTERFACE_CONF_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE

Adds an ISDN service. It is implemented by the Java method
**com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningISDN.addISDNService.**

Table 2–12   A_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service that is being created and configured.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CREATE ISDN SERVICE servicename
```

Output Parameters

GSX_ADD_ISDN_SERVICE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ADD_ISDN_SERVICE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE-CONF

Adds an ISDN Service Configuration. It is implemented by the Java method
**com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningISDN.addISDNServiceConf.**

Table 2–13   A_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service that is being created and configured.	N/A	N/A	S	R
ISDN_TGNAME	The name of the trunk group that this ISDN service belongs to.	N/A	N/A	S	O
ISDN_HUNT	The hunt algorithm used to select channels for calls destined to this service group: lowlow, highhigh, circularforward, circularbackward.	N/A	N/A	S	O
ISDN_COST	The (relative) routing cost to the ISDN service group. Must be 0-100, default is 50. A value of 100 represents the highest possible cost.	N/A	N/A	S	O
SWITCHSIDE	The switch side that this ISDN service group should act as: network (a switch on the network side), user (a switch on the user side).	N/A	N/A	S	O

Table 2–13   (Cont.) A_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
ISDN_SWITCHTYPE	The network switch type the ISDN service group will emulate. Valid values: ni2, dms250, dms100, 5ess, 4ess, euroIsdn, ins1500.	N/A	N/A	S	O
DIRECTORY_NUMBER	The default directory number (DN). When a calling party number (CPN) is provided in the incoming setup, the DN is used as the billing number. When the CPN is absent from the incoming setup, the DN is used as the CPN.	N/A	N/A	S	O
CALLING_PARTY_NUM_PROVISION	Specifies whether a CPN is required in the incoming setup: necessary (the incoming call is rejected if no CPN is provided), notNecessary (the DN must be specified and is used as the CPN).	N/A	N/A	S	O
CALLING_PARTY_NUM_DISCARD	Specifies whether a CPN, or Redirecting Number (RN), that is not screened or that fails screening is discarded. Values: no or yes.	N/A	N/A	S	O
CALLING_PARTY_NUM_PRESENTATION	The default presentation indicator: no (presentation prohibited), yes (presentation allowed).	N/A	N/A	S	O
CALLING_PARTY_NUM_DELIVERY	Specifies whether a CPN or RN is included within an outgoing setup. Valid values: no or yes.	N/A	N/A	S	O
CALLING_PARTY_SUBADDRESS_TRANSFER	Specifies whether a calling party subaddress information element (CPS) is accepted in the incoming setup: no (discard the CPS), yes (accept the CPS). Conditional.	N/A	N/A	S	O
CALLING_PARTY_SUBADDRESS_DELIVERY	Specifies whether a CPS is included within an outgoing setup for delivery to the Customer Provided Equipment (CPE): no (discard the CPS), yes (include the CPS in the setup), conditional (include the CPS if the CPN was also accepted).	N/A	N/A	S	O
CALLED_PARTY_SUBADDRESS_TRANSFER	Specifies whether a called party subaddress information element is accepted in the incoming setup: no, yes, conditional.	N/A	N/A	S	O
CALLED_PARTY_SUBADDRESS_DELIVERY	Specifies whether a called party subaddress information element is included within an outgoing setup for delivery to the Customer Provided Equipment (CPE): no, yes, conditional.	N/A	N/A	S	O
BCHANNEL_SIGNALING	Specifies whether SERVICE messages will be used to communicate the B-channel state: yes (service messages are used), no (service messages disabled).	N/A	N/A	S	O

Table 2–13   (Cont.) A_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
BCHANNEL_ RESTART	Specifies whether B-channels are brought into service with RESTART messages: yes (RESTARTs are sent for each channel when datalink establishes), no (the channels are brought into service with SERVICE messages, unless bcas is no).	N/A	N/A	S	O
DISCONNECT_ PROFILE	The name of a Disconnect Treatment Profile that will be used to map a disconnect reason code to a Disconnect Signaling Sequence Profile (SSP) for this service group.	N/A	N/A	S	O
TONE_PACKAGE	The name of a tone package to be used by this ISDN service group.	N/A	N/A	S	O
SWITCHPROFILE	The name of the ISDN switch profile to be used by the ISDN service group. This file has embedded information that describes the SWITCHTYPE.	N/A	N/A	S	O
PROFILENAME	The name of an ISDN service profile to use to provide all undeclared parameter values in this ISDN service.	N/A	N/A	S	O
CALLING_PARTY_ NAME_DELIVER	Specifies whether the Calling Party Name is delivered in an outgoing SETUP message: no yes	N/A	N/A	S	O
REMOTE_SWITCH_ TYPE	The remote switch type. This should only be set to something other than default if the remote switch type has unique behavior. Currently, the unique behavior is meridian: default, meridian.	N/A	N/A	S	O
EARLY_ACM_FOR_ ISUP	When interworking between ISDN and ISUP, specifies whether or not to deliver an early address complete message (ACM): no, yes.	N/A	N/A	S	O
EARLY_CUT_ AUDIBLE_RING	Specifies whether early cut through is allowed on an audible ring: no (Disable early cut through), yes (Enable early cut through).	N/A	N/A	S	O
EARLY_CUT_ NETWORK_ INTERWORK	Specifies whether early cut through is allowed on network interworking: no (Disable early cut through), yes (Enable early cut through).	N/A	N/A	S	O
DISCONNECT_SSP	The name of a Disconnect SSP Profile that will be used for this service group.	N/A	N/A	S	O
BEARER_ CAPABILITY_ FALLBACK	Specifies whether bearer capability fall back is allowed on the network: no (not allowed), yes (allowed).	N/A	N/A	S	O
DIAL_TONE	Specifies the dial tone to play when the ISDN service group is emulating a euroIsdn switch and overlap addressing is in effect.	N/A	N/A	S	O

Table 2–13   (Cont.) A_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
CONFIRMATION_ TONE	Specifies a confirmation tone to play when the ISDN call is answered (prior to media cut through). The confirmation tone must be configured as part of the ISDN service group's TONE PACKAGE.	N/A	N/A	S	O
TWO_BCHANNEL_ ENABLED	Specifies whether ISDN PRI Two B-channel Transfer (TBCT) is enabled for this ISDN service group: yes (permit TBCT call transfers), no (do not permit TBCT call transfers).	N/A	N/A	S	O
TWO_BCHANNEL_ ACKNOWLEDGE	Specifies the type of message to carry the TBCT acknowledgement: facility (Send a FACILITY message to carry the ACK), disconnect (Carry the ACK in the DISC message used to clear the call leg to the controller).	N/A	N/A	S	O
TWO_BCHANNEL_ NOTIFICATION_ USERS	Specifies whether a notification is provided to the transferred users when a TBCT occurs: yes-provide user with notification when the call is transferred no-do not provide notification	N/A	N/A	S	O
TWO_BCHANNEL_ NOTIFICATION_ CONTROLLER	Specifies whether a notification is provided to the ISDN controller when a TBCT is cleared: yes-provide controller notification when the call is cleared no-do not provide notification to the controller	N/A	N/A	S	O
TWO_BCHANNEL_ ACTIVE_LIMIT	Specifies the number of simultaneously active TBCTs allowed on the configured PRI. Must be 0 to 60000. Default is 100. A value of 0 indicates no limit.	N/A	N/A	S	O
TWO_BCHANNEL_ INTERVAL_LIMIT	Specifies the number of transfer requests allowed on the configured PRI within a 10 second interval. Must be 0 to 500. Default is 10. A value of 0 indicates no limit.	N/A	N/A	S	O
MIN_DIGITS_DS_ QUERY	Specifies the minimum number of CalledAddress digits to collect before attempting a route query, when overlap addressing is supported and CalledAddress receive is not complete. Must be 0-30, default is 0 (digits).	N/A	N/A	S	O
SERVICETYPE	Specifies the type of ISDN service group to be configured: default - Standard service for trunk groups that use contiguous spans of B-channels: dchannel - A service associated exclusively with the D-channel: bchannel - A call processing service associated with B-channels and assigned to a trunk group.	N/A	N/A	S	O

Table 2–13   (Cont.) A_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
ISDN_ ANSSUPVTIMEOUT	When answer supervision is enabled, specifies the timeout period, in seconds, from the egress receiving the first backwards message from the called party exchange (Call Proceeding, Alerting, Call Progress) until the call is answered. If the timeout period expires, the answer supervision action specified is triggered. Must be 1-1000.	N/A	N/A	S	O
GUARDTIMER	Specifies the time, in milliseconds, to delay subsequent hunting of a channel after a call is released. Must be 0-9999(milliseconds), default is 0. A value of 0 directs immediate hunting of the channel. An incoming call will be allowed to proceed, even if the timer is running.	N/A	N/A	S	O
CGRTIMEOUT	The time (in seconds) to wait to release a call when that call was rejected due to congestion. This parameter effectively prevents the machine congestion level from escalating due to rapid repeated call attempts by equipment that does notsupport congestion detection. Must be 0-5 (seconds), default is 0. A value of 0 disables this timer.	N/A	N/A	S	O
CALLING_PARTY_ NAME_RECEIVE_ TIMER	Specifies timer to wait for the name. If the timer expires before the name is received, the call proceeds without the name. 0 = Disabled. The GSX ignores any indication (in a Setup) that information is following, processes the call normally, and ignores any CNAME that arrives later. 1-3600 = Enabled; When there is indication that information is following, the GSX begins processing the call but holds the Setup until the CNAME is received or until the timer expires, whichever comes first.	N/A	N/A	S	O
OLI_DELIVERY	Specifies whether Originating Line Identification (OLI) delivery is supported on ISDN switch types	N/A	N/A	S	O
BCHANNEL_ NEGOTIATION	The time (in seconds) to wait to release a call when that call was rejected due to congestion.	N/A	N/A	S	O
SKIP_CB_PROFILE	The index number of the SKIP CRANKBACK PROFILE to use with this ISDN service group.	N/A	N/A	S	O
LDC_ACTION	Specifies the action to take if the Long Duration Call (LDC) timer expires. The call may be released, a SNMP trap may be generated, or both	N/A	N/A	S	O

Table 2–13   (Cont.) A_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
LDC_EMERGENCY_ CALLS	Specifies whether emergency calls should be excluded from, or included in Long Duration Call (LDC) disconnect procedures	N/A	N/A	S	O
LDC_RELEASE_ CAUSE	Specifies the GSX disconnect reason used to release the call if the call is released due to Long Duration Call (LDC) timer expiry	N/A	N/A	S	O
LDC_TIMEOUT	Specifies the timeout value of the Long Duration Call (LDC) timer in minutes.	N/A	N/A	S	O
PROGRESS_ON_ ACM_WITH_CAUSE	Specifies whether a Progress message is sent on receiving an ACM/CPG with Cause Indicators (ISDN to ISUP/SIP-I calls only)	N/A	N/A	S	O
CRANKBACK_ PROFILE	The index number of the CRANKBACK PROFILE to use with this ISUP service group. This must specify a valid Call Crankback profile index, in the range 1-10. The default is 1, or Call Crankback Profile default.	N/A	N/A	S	O
CONF_TONE_ OVERRIDE	Specifies support for subscriber-level confirmation tore	N/A	N/A	S	O
IMMEDIATE_DISC_ INBAND_TONES	Specifies action to take when the GSX receives a DISCONNECT with inband tones	N/A	N/A	S	O
ANSWER_SUPV_ TIMEOUT_ACTION	Specifies action to take when the answer supervision timer expires	N/A	N/A	S	O

MML commands

MML Syntax :

```
This method adds ISDN Service Configuration.

CONFIGURE ISDN SERVICE servicename ..
TRUNK GROUP tgname
TRUNK GROUP NONE
HUNT hunt
COST cost
SWITCHSIDE switchside
SWITCHTYPE switchtype
DIRECTORY NUMBER NONE
DIRECTORY NUMBER dirnum
CALLING PARTY NUMBER PROVISION cpn_prov
CALLING PARTY NUMBER DISCARD cpn_disc
CALLING PARTY NUMBER PRESENTATION cpn_present
CALLING PARTY NUMBER DELIVERY cpn_deliver
CALLING PARTY SUBADDRESS TRANSFER cps_tran
CALLING PARTY SUBADDRESS DELIVERY cps_deliver
CALLING PARTY NAME DELIVERY cpnam_deliver
CALLING PARTY NAME RECEIVE TIMER calling_party_name_receive_timer
OLI_DELIVERY olidelivery
BCHANNEL AVAILABILITY SIGNALING bcas
```

```
BCHANNEL INITIAL RESTART initialres
BCHANNEL NEGOTIATION negotiation
DISCONNECT TREATMENT PROFILE dtprofile
TONE PACKAGE tonepkg
SWITCHPROFILE switchprofile
PROFILENAME profilename
CALLED PARTY SUBADDRESS TRANSFER cdps_tran
CALLED PARTY SUBADDRESS DELIVERY cdps_deliver
REMOTE SWITCH TYPE rswitchtype
EARLY ACM FOR INTERWORKING WITH ISUP earlyacm
EARLY CUT THROUGH AUDIBLE RING ectar
EARLY CUT THROUGH NETWORK INTERWORKING ectni
DISCONNECT SSP dssp
DISCONNECT SSP NONE
BEARER CAPABILITY FALLBACK bearcapfall
DIAL TONE dialtone
DIAL TONE NONE
CONFIRMATION TONE confirmationtone
CONFIRMATION TONE NONE
TWO BCHANNEL TRANSFER ENABLED bchanxfer
TWO BCHANNEL TRANSFER ACKNOWLEDGE bchanxferack
TWO BCHANNEL TRANSFER NOTIFICATION TO TRANSFERRED USERS bchanxferntu
TWO BCHANNEL TRANSFER NOTIFICATION TO CONTROLLER .. bchanxfernc
TWO BCHANNEL TRANSFER ACTIVE LIMIT bchanxferal
TWO BCHANNEL TRANSFER INTERVAL LIMIT bchanxferil
MINIMUM DIGITS FOR SENDING DS QUERY mindsqdigits
ANSWER SUPERVISION TIMEOUT anssupvtimeout
SERVICE TYPE servicetype
SKIP CRANKBACK PROFILE skipcbprofile
GUARD TIMER guardtimer
CONGESTION RELEASE TIMEOUT cgrtimeout
LDC ACTION ldcaction
LDC EMERGENCY CALLS ldcemergcalls
LDC RELEASE CAUSE ldcrelcause
LDC TIMEOUT ldctimeout
PROGRESS ON ACM WITH CAUSE progressonacm
```

Output Parameters

GSX_ADD_ISDN_SERVICE_CONF_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ADD_ISDN_SERVICE_CONF_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ADD_ISUP-CIRCUIT

Adds an ISUP circuit service name. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningISUP.addISUPCircuit.**

Table 2–14   A_SONUS-GSX9000_7-3-X_ADD_ISUP-CIRCUIT

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISCNAME	The name of the ISUP service used by the circuit that you are configuring.	N/A	N/A	S	R
CIC	The set of CICs that comprise this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0-16383-ANSI1992 and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CREATE ISUP CIRCUIT SERVICE icsname CIC cicrange
```

Output Parameters

GSX_ADD_ISUP_CIRCUIT_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ADD_ISUP_CIRCUIT_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ADD_ISUP-CIRCUIT-CONF

Adds an ISUP Circuit Service Configuration. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningISUP.addISUPCircuitConf.**

Table 2–15   A_SONUS-GSX9000_7-3-X_ADD_ISUP-CIRCUIT-CONF

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISCNAME	The name of the ISUP service used by the circuit that you are configuring.	N/A	N/A	S	R
CIC	The set of CICs that comprise this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0-16383-ANSI1992 and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R
ISC_T1NAME	The (automatically generated and possibly changed) name of the T1 span that contains the channels that comprise this ISUP circuit. For CNS10 default names are T1-shn-sln-spn or T1-shn-sln-ptn-spn.	N/A	N/A	S	O

Table 2–15   (Cont.) A_SONUS-GSX9000_7-3-X_ADD_ISUP-CIRCUIT-CONF

Parameter Name	Description	Range	Default Value	Type	Class
ISC_SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
ISC_SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
ISC_SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
ISC_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
CHANNEL	The set of channels that the CICs (above) are bound to. Must be in the overall range 1-32, but is limited to 1-24 when the PORT is a T1 span. Any discrete set of channels within this range may be specified as discussed below.	N/A	N/A	S	O
SERVICEPROFILENAME	The name of the Circuit Service Profile that you are applying to this ISUP circuit.	N/A	N/A	S	O
DIRECTION	The type of call traffic these CICs can handle. Valid values: twoway (accept all PSTN calls), onewayin (accept only inbound PSTN calls), onewayout (accept only outbound PSTN calls).	N/A	N/A	S	O
TRUNK_MEMBER	A range of numbers with a one-to-one correspondence to the CIC range that uniquely identifies the circuit endpoints within the trunk group. The GSX software maintains a list of available trunk member numbers for every trunk group. The size of the range must equal the size of the CIC range and each member of the range must be available. Must be 0-65535.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISUP CIRCUIT SERVICE icsname CIC cicrange ..
PORT t1name CHANNEL chanrange
SERVICEPROFILENAME csprofilename
DIRECTION direction
TRUNK MEMBER tmember
TRUNK MEMBER UNSET
```

Output Parameters

GSX_ADD_ISUP_CIRCUIT_CONF_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ADD_ISUP_CIRCUIT_CONF_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ADD_ISUP-CIRCUIT-FAREND

Adds an ISUP Circuit Service Farend. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISUP.addISUPCircuitFarend.**

Table 2–16   A_SONUS-GSX9000_7-3-X_ADD_ISUP-CIRCUIT-FAREND

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISCNAME	The name of the ISUP service used by the circuit that you are configuring.	N/A	N/A	S	R
CIC	The set of CICs that comprise this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0-16383-ANSI1992 and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R
FAREND_TEST	The farend action taken on this ISUP circuit.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE ISUP CIRCUIT SERVICE icsname CIC cicrange ..
FAREND TEST farend-test
CONFIGURE ISUP CIRCUIT SERVICE icsname CIC ALL ..
FAREND TEST farend-test
```

Output Parameters

GSX_ADD_ISUP_CIRCUIT_FAREND_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ADD_ISUP_CIRCUIT_FAREND_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE

Adds an ISUP service name. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISUP.addISUPService.**

Table 2–17   A_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CREATE ISUP SERVICE isname
```

Output Parameters

GSX_ADD_ISUP_SERVICE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ADD_ISUP_SERVICE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE-CONF

Adds an ISUP service configuration. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningISUP.addISUPServiceConf.**

Table 2–18   A_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
PROFILENAME	The name of the ISUP service profile that you are applying to this ISUP service.	N/A	N/A	S	O
SIGNALING_PROFILE	The name of the ISUP signaling profile that you are applying to this ISUP service.	N/A	N/A	S	O
TRUNK_GROUP	The name of the trunk group to which this ISUP service belongs.	N/A	N/A	S	O
DPC	The destination point code of the central office switch that this service is connected to.	N/A	N/A	S	O
REVISION	The ISUP protocol revision that will be supported for this ISUP service.	N/A	N/A	S	O
HUNT	The hunt algorithm for choosing a specific CIC within a trunk group. This algorithm must complement the one that is in effect at the central office switch.	N/A	N/A	S	O

Table 2–18   (Cont.) A_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
COST	The relative cost of using the CICs configured in this service. Must be 0-100. A value of 100 represents the highest possible cost.	N/A	N/A	S	O
CONTROL	The set of CICs controlled by this GSX for the sake of resolving dual-seizure scenarios. Additionally, if the HUNT parameter is set to mostnleastidle, a CIC search algorithm is also implied.	N/A	N/A	S	O
CONTFREQ	The frequency with which Continuity Tests will be performed on each ISUP Service Group circuit. Must be 0-16.	N/A	N/A	S	O
HOPCOUNTVALUE	The initial Hop Counter value to use (if hopcountstat is enabled). Must be 10-32.	N/A	N/A	S	O
HOPCOUNTSTATE	The state of Hop Counting procedures for this service group.	N/A	N/A	S	O
DISCONNECT_ TREATMENT_ PROFILE	The name of a Disconnect Treatment Profile that will be used to map a disconnect reason code to a Disconnect Signaling Sequence Profile (SSP) for the ISUP service.	N/A	N/A	S	O
TONE_PACKAGE	The name of a tone package to be used by the ISUP service.	N/A	N/A	S	O
GRSATSTARTUP	Specifies whether to issue reset messages to all circuits in this service group when a CNS module is started or restarted.	N/A	N/A	S	O
INSPECTION_TIME	Inspection time, specified in date-time format. The INSPECTION parameters provide a way to set up automatic regular testing and synchronization of call and maintenance states on all circuits in the ISUP service group.	N/A	N/A	S	O
INSPECTION_ FREQUENCY	The default inspection frequency is once per day. The date-time for each inspection is calculated from the initial INSPECTION TIME, so that correct frequency and timing is maintained even if the GSX has been rebooted.	N/A	N/A	S	O
INSPECTION_STATE	Sets the occurrence of circuit inspections off or on. Valid values: disabled or enabled.	N/A	N/A	S	O
OLIPCHECK	When a call with a Charge Number and a Calling Party Number arrives, by default the GSX checks for Originating Line Information Parameters (OLIP) and rejects the call if they are not present. Valid values: on (check for OLIP), off (don't check for OLIP).	N/A	N/A	S	O
INR_INF_PROFILE	Name of the INR INF profile used by this ISUP service. This name is identical to the name of the ISUP signaling profile used by this ISUP service.	N/A	N/A	S	O

Table 2–18   (Cont.) A_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
CLLI_TOWN_CODE	The town code to be used in the CLLI parameter for ANSI GR317 circuit validation test failure. Must be a four character string, default is 0000.	N/A	N/A	S	O
CLLI_STATE_CODE	The state code to be used in the CLLI parameter for ANSI GR317 circuit validation test failure. Must be a two character string, default is 00.	N/A	N/A	S	O
CLLI_BUILDING_CODE	The building code to be used in the CLLI parameter for ANSI GR317 circuit validation test failure. Must be a two character string, default is 00.	N/A	N/A	S	O
CLLI_BUILDING_SUB_DIVISION_CODE	The building sub division code to be used in the CLLI parameter for ANSI GR317 circuit validation test failure. Must be a three character string, default is 000.	N/A	N/A	S	O
CLUSTER_ROUTING	Specifies whether this DPC supports cluster routing (also known as member routing). Valid values: unsupported or supported.	N/A	N/A	S	O
SENDINGOLIPCHECK	When a call with a Charge Number and a Calling Party Number is sent, by default the GSX checks for Originating Line Information Parameters (OLIP) and rejects the call if they are not present. This parameter turns OLIP checking off for certain switches that do not supply OLIP information to such calls.	N/A	N/A	S	O
MINIMUM_DIGITS_FOR_SENDING_DS_QUERY	The minimum number of CalledAddress digits to collect before attempting a route query, when overlap addressing is supported and CalledAddress receive is not complete. Must be 0-30, default is 0 (digits).	N/A	N/A	S	O
CONFIRMATION_TONE	A confirmation tone to play when the ISUP call is answered (prior to media cut through). The confirmation tone must be configured as part of the ISUP service group's TONE PACKAGE. A confirmation tone is typically used by a calling PBX to begin billing.	N/A	N/A	S	O
CONFTONEOVER	Specifies support for subscriber-level confirmation tone: suppported - a confirmation tone plays for all ingress calls: unsupported - use the Calling Party Subscriber screen on the PSX to activate the confirmation tone.	N/A	N/A	S	O

Table 2–18   (Cont.) A_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
ANSSUPVTIMEOUT	When answer supervision is enabled, specifies the timeout period, in seconds, from the egress receiving the first backwards message from the called party exchange (Call Proceeding, Alerting, Call Progress) until the call is answered.	N/A	N/A	S	O
ANSSUPVTIMEOACT	Specifies the action to take if the answer supervision timer expires (i.e. no signaled answer is received): release - release the call: softanswer - answer the call.	N/A	N/A	S	O
CUTTHRUOVERRIDE	Specifies whether to override the protocol-specific cut through direction when the ACM is receivedwith a backward call indicator (BCI) of Interworking Encountered: unsupported - no override will occurl: backwardscutthru - perform backwards cut through: fullduplexcutthru - perform a full duplex cut through: nocutthru - perform no cut through	N/A	N/A	S	O
SEQUENTIALGRS	Specifies whether to issue the Circuit Group ResetMessage (GRS) in parallel or sequentially to the circuits. unsupported - Issue the reset messages in parallelon the circuits. supported - Reset all circuits by sequentiallyissuing GRS one at a time per remote point code.This may be necessary for inter-working with carrierswho become congested or overloaded whenprocessing large numbers of GRS messages at once.	N/A	N/A	S	O
CBPROFNO	The index number of the CRANKBACK PROFILE to use with this ISUP service group. This must specify a valid Call Crankback profile index, in the range 1-10. The default is 1, or Call Crankback Profile default.	N/A	N/A	S	O
CGRTIMEOUT	The time (in seconds) to wait to release a call when that call was rejected due to congestion. This parametereffectively prevents the machine congestion level from escalating due to rapid repeated call attempts byequipment that does not support congestion detection. Must be 0-5 (seconds), default is 0. A value of 0disables this timer.If this value is nonzero, the timer is started when a call is rejected due to congestion. When the timer expires, the network release is sent and the call resources are deallocated. If a network release is received during the delay, the timer is stopped and the call resources are deallocated.	N/A	N/A	S	O

Table 2–18   (Cont.) A_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
MSSGTHROTTLING	Specifies whether message throttling is supported. This is a per-GSX parameter, and is therefore copied to all service groups when changed on one	N/A	N/A	S	O
MSSGTHROTTLINGTIMER	Specifies the time in milliseconds to insert between consecutive blocking (BLO) and unblocking (UBL) messages sent on this service group from a certain CNS. This parameter can have a different value on each service group. Must be 0 to 1000.	N/A	N/A	S	O
CALLSPERSEGMENT	Specifies the number of calls to be cleared at a time (per CNS) when performing call cleanup. This translates into the number of REL and RSC messages sent simultaneously. Must be 1 to 25.	N/A	N/A	S	O
INTERSEGTIMER	Specifies the time between blocks of calls cleaned up. Must be 10 to 1000.	N/A	N/A	S	O
MESSAGERESET	Specifies the behavior applied to setting the Message Priority field in a transmitted IAM.	N/A	N/A	S	O
LKAHEADFORBUSY	Specifies the default value used in the Look Ahead for Busy field in the ISUP Precedence parameter.	N/A	N/A	S	O
NETWORKID	Specifies the default value used for the 4-digit network identity field in the ISUP Precedence parameter.	N/A	N/A	S	O
LDC_TIMEOUT	Specifies the timeout value of the Long Duration Call (LDC) timer in minutes	N/A	N/A	S	O
LDC_ACTION	Specifies the action to take if the Long Duration Call (LDC) timer expires. The call may be released, a SNMP trap may be generated, or both	N/A	N/A	S	O
LDC_RELEASE_ CAUSE	Specifies the GSX disconnect reason used to release the call if the call is released due to Long Duration Call (LDC) timer expiry.	N/A	N/A	S	O
LDC_EMERGENCY_ CALLS	Specifies whether emergency calls should be excluded from, or included in Long Duration Call (LDC) disconnect procedures	N/A	N/A	S	O
NODE_IDENTITY	Specifies whether to generate an Application Transport Mechanism (APM) message with Charging Tariff (CRGT) data in response to an IAM for this service group	N/A	N/A	S	O
LOCATION_REL42	Specifies an updated Cause Indicator Location Value to set in the ISUP REL message sent to the ingress network for release cause 42 Switching equipment congestion	N/A	N/A	S	O

Table 2–18   (Cont.) A_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
LOCATION_REL34	Specifies an updated Cause Indicator Location Value to set in the ISUP REL message sent to the ingress network for Release Cause 34 No circuit/channel available	N/A	N/A	S	O
CHARGE_AREA	Specifies the 5-digit Terminating Charge Area value. The Charge Area is set in the ACM or CPG message if a script is returned from the PSX or for a Disconnect Treatment Profile.	N/A	N/A	S	O
LOCATION_REL	Specifies the Cause Indicator Location Value to set in ACM/CPG or REL messages when the GSX internally releases the call.	N/A	N/A	S	O
TANDEM_LIMIT_ COUNTER	Specifies a Limit Counter to be set in an outgoing IAM when a TANDEMCALLCOUNTER parameter is not received.	N/A	N/A	S	O
DEL_IXC_TC_CODE	Specifies whether to prevent (delete) transit carrier (TC) or inter-exchange carrier (IXC) sub-parameters from being sent in the carrier information transfer (CIT) parameter.	N/A	N/A	S	O
SKIP_CB_PROFILE	The index number of the SKIP CRANKBACK PROFILE to use with this ISUP service group.	N/A	N/A	S	O

MML commands

MML Syntax :

```
 CONFIGURE ISUP SERVICE isname ..
DPC dpc
TRUNK GROUP tgname
REVISION revision
HUNT hdirection
COST cost
CONTROL cicControl
CONTFREQ continuityTestFreq
PROFILENAME profilename
HOPCOUNTSTATE hopcountstat
HOPCOUNTVALUE hopcountval
DISCONNECT TREATMENT PROFILE dtprofile
TONE PACKAGE tonepkg
GRSATSTARTUP grsatstartup
SEQUENTIAL GRS sequentialgrs
INSPECTION TIME insptime
INSPECTION FREQUENCY inspfreq
INSPECTION STATE inspstate
SIGNALING PROFILE sigprofilename
OLIPCHECK olipcheck
INR INF PROFILE inrfprof
CLLI TOWN CODE cllitown
CLLI STATE CODE cllistate
```

```
CLLI BUILDING CODE cllibldg
CLLI BUILDING SUB DIVISION CODE cllibldgsd
CLUSTER ROUTING clusrouting
SENDINGOLIPCHECK sendingolipchk
MINIMUM DIGITS FOR SENDING DS QUERY mindsqdigits
CONFIRMATION TONE conftone
CONFIRMATION TONE NONE
CONFIRMATION TONE OVERRIDE conftoneover
ANSWER SUPERVISION TIMEOUT anssupvtimeout
ANSWER SUPERVISION TIMEOUT ACTION anssupvtimeoact
CUT THROUGH OVERRIDE ACM RECEIVED WITH BCI INTERWORKING ..
cutthruoverride
CRANKBACK PROFILE cbprofno
SKIP CRANKBACK PROFILE skipcbprofile
CONGESTION RELEASE TIMEOUT cgrtimeout
MESSAGE THROTTLING mssgthrottling
MESSAGE THROTTLING TIMER mssgthrottlingtimer
CALLSPERSEGMENT callspersegment
INTERSEGMENTTIMER intersegtimer
LDC TIMEOUT timeout
LDC ACTION action
LDC RELEASE CAUSE relcause
LDC EMERGENCY CALLS emergencyCalls
MESSAGE PRIORITY RESET messagereset
LOOKAHEADFORBUSY lkaheadforbusy
NETWORK IDENTITY networkid
CHARGE AREA chargearea
LOCATION OF REL locationrel
CHARGE AREA chargearea
NODE IDENTITY node_identity
LOCATION OF REL locationrel
LOCATION OF REL34 location_rel34
LOCATION OF REL42 location_rel42
TANDEM LIMIT COUNTER tandemlimitcount
DELETE IXC TC CODE delixccode
```

Output Parameters

GSX_ADD_ISUP_SERVICE_CONF_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ADD_ISUP_SERVICE_CONF_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ADD_ISUP-TG-CONF

Adds the Trunk Group to the ISUP service configuration. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningISUP.addISUPTgConf.**

Table 2–19   A_SONUS-GSX9000_7-3-X_ADD_ISUP-TG-CONF

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
TRUNK_GROUP	The name of the trunk group to which this ISUP service belongs.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE ISUP SERVICE isname TRUNK GROUP tgname
```

Output Parameters

GSX_ADD_ISUP_TG_CONF_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ADD_ISUP_TG_CONF_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ADD_SERVER

Adds the server object to the GSX. It specifies which server modules are administratively configured to exist within this GSX node. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningServer.addServer.**

Table 2–20   A_SONUS-GSX9000_7-3-X_ADD_SERVER

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	R
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	R
SRVTYPE	The type of server module (HWTYPE) that is being configured in the slot	N/A	N/A	S	R
ADPTYPE	The type of adapter module that is being configured in the slot behind the previously-specified server module.	N/A	N/A	S	R
FUNCTION	The Ethernet redundancy model that is used when the HWTYPE is PNS10 or PNS30. Two values: enet and enetlayer3.	N/A	N/A	S	O
REDUNTYPE	The redundancy group function that the previously specified module set will perform. Two values exist: normal and redundant.	N/A	N/A	S	R

MML commands

MML Syntax :

```
This method creates a new Server module

CREATE SERVER SHELF shelfnumber SLOT slotnumber ..
HWTYPE svrtype ADAPTER adptype ..
```

```
FUNCTION function redun-type
```

Output Parameters

GSX_ADD_SERVER_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ADD_SERVER_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ADD_T1-CIRCUIT

Adds a T1 circuit that is supported by a Circuit Network Server on the GSX. The T1 circuit is assigned all 24 DS0 channels by default, but any subset of those channels may be specified. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningT1Circuit.addT1Circuit.**

Table 2–21   A_SONUS-GSX9000_7-3-X_ADD_T1-CIRCUIT

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
PROFILE	The name of the profile to be applied to this T1 object.	N/A	N/A	S	O
BUILDOUT	The length of T1 wire that must be driven, expressed in increments of 110 feet. This is the length between the GSX and a repeater or patch panel.	N/A	N/A	S	O
LINETYPE	The frame format used on the T1: ESF, D4.	N/A	N/A	S	O
CODING	The T1 line coding: AMI, B8ZS. Note that this parameter is not accessible on spans that belong to a T3 circuit.	N/A	N/A	S	O

Table 2–21   (Cont.) A_SONUS-GSX9000_7-3-X_ADD_T1-CIRCUIT

Parameter Name	Description	Range	Default Value	Type	Class
SIGNALING	Signaling used for this T1: none, robbedBit. In-band signaling achieved by stealing bits from the speech path; required by CAS services.	N/A	N/A	S	O
IDLECODE	This value is inserted in an idle channel. Must be 0-255, default is 127 (0x7F).	N/A	N/A	S	O
AVAILABLE_ CHANNELS	The set of available channels for this T1. Maximum range is 1-24, default is 1-24 (a full T1). Any discrete set of channels within this range may be specified.	N/A	N/A	S	O
ZEROSUPPRESSION	The zero suppression control to be appliedon this T1 span values: none, jamBit8, signalFrameOnlyJamBit8, gteZeroSuppression, bellZeroSuppression.	N/A	N/A	S	O
ECHO_PROFILE	The name of an echo canceller profile to be applied to this T1 circuit.	N/A	N/A	S	O
CIRCUIT_ID	The name of the circuit ID.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE T1 t1name ..
PROFILE t1profile
BUILDOUT buildout
LINETYPE linetype
CODING coding
IDLECODE idlecode
SIGNALING signaling
AVAILABLE CHANNELS avchannels
ZEROSUPPRESSION zerosup
ECHO PROFILE ecprofile
CIRCUIT ID circuitid
```

Output Parameters

GSX_ADD_T1_CIRCUIT_RETCODE as CSDL parameter to the SARM table TBL_ SRQ_PARM.

GSX_ADD_T1_CIRCUIT_RETCODE as INFO parameter to the SARM table TBL_ INFO_PARM

A_SONUS-GSX9000_7-3-X_ADD_T1-LOCAL-LOOPBACK

Adds a T1 local loopback type. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningT1Circuit.addT1LocalLoopback.**

Table 2–22   A_SONUS-GSX9000_7-3-X_ADD_T1-LOCAL-LOOPBACK

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
T1NAME	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
SPAN	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1_PORT	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
NEAREND	The type of local loopback: noloop, payloadloop, lineloop, inwardloop, dualloop.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE T1 t1name LOOPBACK NEAREND nearend
```

Output Parameters

GSX_ADD_T1_LOCAL_LOOPBACK_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ADD_T1_LOCAL_LOOPBACK_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ADD_T1-PATTERN

Adds T1 SENDPATTERN type. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningT1Circuit.addT1Pattern.**

Table 2–23   A_SONUS-GSX9000_7-3-X_ADD_T1-PATTERN

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
PATTERN	The type of SENDPATTERN: NONE, QRS, 3IN24.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE T1 t1name SENDPATTERN pattern
```

Output Parameters

GSX_ADD_T1_PATTERN_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ADD_T1_PATTERN_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ADD_T1-REMOTE-LOOPBACK

Adds T1 remote loopback type. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningT1Circuit.addT1RemoteLoopback.**

Table 2–24   A_SONUS-GSX9000_7-3-X_ADD_T1-REMOTE-LOOPBACK

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
FAREND	The type of remote loopback: SENDLINECODE SENDPAYLOADCODE SENDRESETCODE	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE T1 t1name LOOPBACK FAREND farend
```

Output Parameters

GSX_ADD_T1_REMOTE_LOOPBACK_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ADD_T1_REMOTE_LOOPBACK_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ADD_T1-TCAF-STATE

Add the state of the TCA Filter. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningT1Circuit.addT1TcafState.**

Table 2–25   A_SONUS-GSX9000_7-3-X_ADD_T1-TCAF-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
ERROR_TYPE	Particular Error Type. Values are:ALL, CV-L, ES-L, SES-EL, CV-P, ES-P, SES-P, SAS-P, CSS-P, SEFS-P, UAS-P.	N/A	N/A	S	R
TCAF_STATE	Specifies the state of the threshold crossing alert filter for the particular error type: disabled - Do not generate a threshold crossing alert event when the threshold is exceeded for this error type: enabled - Generate a threshold crossing alert event when the threshold is exceeded for this error type.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE T1 t1name PERMON TCA FILTER error_type tcaf_state
```

Output Parameters

GSX_ADD_T1_TCAF_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ADD_T1_TCAF_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP

Adds a trunk group. It is implemented by the Java method
com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningTrunkGroup.addTrunkGroup.

Table 2–26   A_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
TGNAME	The name of the trunk group being configured. This name may not contain a period	N/A	N/A	S	R
TG_TYPE	Specifies the type of the trunk group being created:- pstn - CAS, ISUP or ISDN: - ipSelected - A child IP trunk: - ipLinked - A parent IP trunk	N/A	N/A	S	O

MML commands

MML Syntax :

```
CREATE TRUNK GROUP tgname TRUNK GROUP TYPE tg-type
```

Output Parameters

GSX_ADD_TRUNK_GROUP_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ADD_TRUNK_GROUP_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP-CONF

Configures a trunk group. It is implemented by the Java method
com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningTrunkGroup.addTrunkGroupConf.

Table 2–27   A_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP-CONF

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
TGNAME	The name of the trunk group being configured. This name may not contain a period.	N/A	N/A	S	R
TRUNKPROFILENAME	The name of the trunk group profile to apply to this trunk group.	N/A	N/A	S	O
SELECT	The method of hunting through service groups for trunk resources.	N/A	N/A	S	O

Table 2–27   (Cont.) A_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP-CONF

Parameter Name	Description	Range	Default Value	Type	Class
RENAME_TIMER	The amount of time in seconds that the previous trunk group name, saved in ALTERNATE NAME, will be accepted when a trunk group is renamed. During this time, the previous trunk group name cannot be used for the name of another trunk group. Must be 0-3600 (seconds), default is 10.	N/A	N/A	S	O
INBOUND	The percent of channels reserved for inbound calls in PSTN trunk groups. Must be 0-100, in increments of 5. Default is 0.	N/A	N/A	S	O
NAME	The new name of the trunkgroup. When an inService trunk group is renamed, the tgname string is saved in ALTERNATE NAME and this string replaces tgname.	N/A	N/A	S	O
CARRIER	The name of the carrier that supports this trunk group.	N/A	N/A	S	O
SS7_NODE	The name of the SS7 node that provides SS7 signaling for this trunk group.	N/A	N/A	S	O
CIRCUIT_ RESERVATION_ STATE	The state of the circuit reservation feature: disabled enabled	N/A	N/A	S	O
PRIORITY_CALL	The minimum number of priority call circuits to be reserved for this trunk group. Must be 0-100, default is 1.	N/A	N/A	S	O
INCOMING_CALL	The minimum number of incoming call circuits to be reserved for this trunk group. Must be 0-128, default is 1.	N/A	N/A	S	O
OUTGOING_CALL	The minimum percentage of outgoing call circuits to be reserved for this trunk group. This percentage is applied to the total number of circuits less the circuits reserved for incoming calls less the circuits reserved for priority calls. Must be 0-100, default is 10%.	N/A	N/A	S	O
SFG_TYPE	The type of Simulated Facility Group (SFG) used by this trunk group. Valid values: none, ni2, dms, user.	N/A	N/A	S	O
NUMBER	Specifies a unique number that may be assigned to the trunk group by the customer and used for circuit validation testing purposes. Default value is 0000.	N/A	N/A	S	O
SILCSTATE	The administrative state of Selective Incoming LoadControl (SILC), a control that cancels specified percentages of incoming calls for machine congestion levels MC1 and MC2:enabled - SILC control is active: disabled - SILC control is not in effect	N/A	N/A	S	O

Table 2–27   (Cont.) A_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP-CONF

Parameter Name	Description	Range	Default Value	Type	Class
L1CALLS	Specifies the percentage of ingress calls that are permitted on this IP trunk group when SILC STATE is enabled and the congestion level is MC1. Must be 0-100, default is 75.	N/A	N/A	S	O
L2CALLS	Specifies the percentage of ingress calls that are permitted on this IP trunk group when SILC STATE is enabled and the congestion level is MC2. Must be 0-100, default is 25.	N/A	N/A	S	O
PIPTGROUP	Specifies the parent IP trunk group. Used to build a hierarchy of IP trunk group relationships.	N/A	N/A	S	O
IPCLIMIT	Maximum number of calls allowed for an IP trunk group. Must be -1 or 0-147483647 as follows: -1 - do not enforce any limit: 0 - do not allow any calls: non-zero - allow up to the specified number of calls. Default is -1, or no limit on calls.	N/A	N/A	S	O
IPBWLIMIT	Maximum amount of bandwidth allowed for this IP trunk group in units of 1K bits per second. Must be - 1 or 0-2147483647 as follows: -1 - do not enforce any limit: 0 - do not allow any calls: non-zero - allow up to the specified number of calls. Default is -1, or no limit on bandwidth.	N/A	N/A	S	O
TG_DIRECTION	The direction of calls on this IP trunk group. This object is only valid for IP trunk groups: inComing - inbound. outGoing - outbound. bothWays - inbound and outbound.	N/A	N/A	S	O
NSTABLENAME	Specifies the name of the Network Selector Table.Each entry in this table is a network selector that specifies the group of signaling peers that use a particular IP trunk group.	N/A	N/A	S	O
MINDUR	Specifies the minimum period of outage for a call, in milliseconds, for that call to be counted as part of the packet outage detection algorithm. Must be 0- 65535, default is 6000 (milliseconds).	N/A	N/A	S	O
MINCALLS	Specifies, for the current interval, the number of calls with outages that are required to declare a packet outage event. Must be 0-65535, default is1000 (calls).	N/A	N/A	S	O
PODINTERVAL	Specifies the time interval, in minutes, for detecting packet outages via the packet outage detection algorithm.Must be 5-1440, default is 15 (minutes).This object is only valid for IP trunk groups.	N/A	N/A	S	O

Table 2–27   (Cont.) A_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP-CONF

Parameter Name	Description	Range	Default Value	Type	Class
BWLIMITREDUC	Specifies the amount to reduce the bandwidth limit (as a percentage of the configured limit) when a packet outage is detected. Must be 0-100, default is 50 (percent).	N/A	N/A	S	O
PODSTATE	Specifies the administrative state of packet outage detection: enabled - automatic bandwidth reduction will occur when a packet outage is detected: disabled - packet outages are not detected and the maximum bandwidth limit is restored.	N/A	N/A	S	O
MTGNAME	The name of the master trunk group to which the underlying trunk group belongs as a slave. Every trunk group either belongs to a master trunk group in this manner, or does not (MASTER TRUNKGROUP NAME NONE).	N/A	N/A	S	O
MCPERREQ	Specifies the number of calls allowed on the underlying slave IP trunk group after the slave has reachedits IP CALL LIMIT. Must be -1 or 0-2147483647 as follows: -1 - do not enforce any limit: 0 - do not allow any calls: non-zero - allow up to the specified number of callsDefault is 100.	N/A	N/A	S	O
MBWPERREQ	Specifies the amount of bandwidth allowed on the underlying slave IP trunk group after the slave has reached the IP BANDWIDTH LIMIT. Must be -1 or 0-2147483647 as follows:-1 - do not enforce any bandwidth limit: 0 - do not allow any bandwidth allocation: non-zero - allow up to the specified amount of bandwidth allocation. Default is 6400 (in units of 1K bits per second).	N/A	N/A	S	O
INGRESS_ CALLBURST	In terms of the single token bucket IP policing paradigm, this is the bucket size used by the call policer, in number of calls.	N/A	N/A	S	O
INGRESS_ NONINVITE_BURST	In terms of the single token bucket IP policing paradigm, this is the bucket size used by the SIP NONINVITE policer on the call leg that is created when the initial NONINVITE is received on the GSX.	N/A	N/A	S	O
HPCPROFILE	Specifies the name of the High Probability of Completion (HPC) trunk group profile.	N/A	N/A	S	O
EARLYACM	Specifies whether an ACM or SIP-18x will be sent when an HPC call is queued (when supporting HPC network capability)	N/A	N/A	S	O

Table 2–27   (Cont.) A_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP-CONF

Parameter Name	Description	Range	Default Value	Type	Class
OVERSUB	Specifies the percentage over the configured allowed resources for an IP trunk group that HPC calls can consume before being queued.	N/A	N/A	S	O
OVERRIDE	Specifies whether the IP oversubscription factor setting on this trunk group overrides the oversubscription factor setting on the associated trunk group profile	N/A	N/A	S	O
ALTERNATE_NAME	When an inService trunk group is renamed, the tgname string is saved in ALTERNATE NAME and this string replaces tgname	N/A	N/A	S	O
IP_REG_EST_CHILD_ REG	Specifies the estimated number of child registrations (including the parent).	N/A	N/A	S	O
IP_REG_LIMIT	Specifies the maximum number of registrations admitted on this IP trunk group.	N/A	N/A	S	O
EMER_IP_OVERSUB_ FACTOR	Specifies the percentage over the configured allowed resources for an IP trunk group that Emergency calls can consume	N/A	N/A	S	O
LOCAL_POLICY_TG_ PROFILE	Specifies the name of the Local Policy Trunk Group Profile when the GSX is operating in Local Policy mode.	N/A	N/A	S	O
INGRESS_CALLRATE	In terms of the single token bucket IP policing paradigm, this is thefill rate used by the call policer on the call leg.	N/A	N/A	S	O
INGRESS_ NONINVITE_RATE	In terms of the single token bucket IP policing paradigm, this is the fill rate used by the SIP NONINVITE call policer, in number of calls.	N/A	N/A	S	O
INGRESS_CALL_ NONPRI_ THRESHOLD	Specified the number of tokens reserved for priority calls when policing for non priority calls. This object is valid only for IP Trunk Groups.	N/A	N/A	S	O
EGRESS_CALLBURST	In terms of the single token bucket IP policing paradigm, this is the bucket size used by the call policer, in number of calls.	N/A	N/A	S	O
EGRESS_ NONINVITE_BURST	In terms of the single token bucket IP policing paradigm, this is the bucket size used by the SIP NONINVITE policer on the call leg that is created when the initial NONINVITE is received on the GSX.	N/A	N/A	S	O

Table 2–27   (Cont.) A_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP-CONF

Parameter Name	Description	Range	Default Value	Type	Class
EGRESS_CALLRATE	In terms of the single token bucket IP policing paradigm, this is thefill rate used by the call policer on the call leg.	N/A	N/A	S	O
EGRESS_ NONINVITE_RATE	In terms of the single token bucket IP policing paradigm, this is the fill rate used by the SIP NONINVITE call policer, in number of calls.	N/A	N/A	S	O
EGRESS_CALL_ NONPRI_ THRESHOLD	Specified the number of tokens reserved for priority calls when policing for non priority calls. This object is valid only for IP Trunk Groups.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE TRUNK GROUP tgname ..
TRUNKPROFILENAME profilename
SELECT selection
NAME newtgname
RENAME TIMER renametimer
ALTERNATE NAME NONE
INBOUND reserved
CARRIER carrier
SS7 NODE ss7nodename
CIRCUIT RESERVATION STATE crstate
PRIORITY CALL priority
INCOMING CALL incoming
OUTGOING CALL outgoing
SIMULATED FACILITY GROUP TYPE sfg-type
NUMBER number
SILC STATE silcstate
SILC CONGESTION LEVEL ONE CALLS ALLOWED l1calls
SILC CONGESTION LEVEL TWO CALLS ALLOWED l2calls
PARENT IP TRUNK GROUP piptgroup
PARENT IP TRUNK GROUP NONE
IP CALL LIMIT ipclimit
IP BANDWIDTH LIMIT ipbwlimit
IP REGISTRATION ESTIMATED CHILD REGISTRATIONS ipestchildreg
IP REGISTRATION LIMIT ipregistlimit
DIRECTION direction
NETWORK SELECTOR TABLE nstablename
NETWORK SELECTOR TABLE NONE
PACKET OUTAGE DETECTION MINIMUM DURATION mindur
PACKET OUTAGE DETECTION MINIMUM CALLS mincalls
PACKET OUTAGE DETECTION BANDWIDTH LIMIT REDUCTION bwlimitreduc
PACKET OUTAGE DETECTION STATE podstate
PACKET OUTAGE DETECTION INTERVAL podinterval
MASTER TRUNK GROUP mtgname
BANDWIDTH PER REQUEST mbwperreq
CALLS PER REQUEST mcperreq
POLICER EGRESS CALL NONPRIORITY THRESHOLD egnonpriothresh
POLICER EGRESS MAX CALL BURST egmaxcallburst
POLICER EGRESS MAX CALL RATE egmaxcallrate
```

```
POLICER EGRESS MAX NONINVITE BURST egmaxnoninviteburst
POLICER EGRESS MAX NONINVITE RATE egmaxnoninviterate
POLICER INGRESS CALL NONPRIORITY THRESHOLD ignonpriothresh
POLICER INGRESS MAX CALL BURST igmaxcallburst
POLICER INGRESS MAX CALL RATE igmaxcallrate
POLICER INGRESS MAX NONINVITE BURST igmaxnoninviteburst
POLICER INGRESS MAX NONINVITE RATE igmaxnoninviterate
LOCAL POLICY TRUNK GROUP PROFILE lptrgrprofile
EMERGENCY IP OVERSUBSCRIPTION FACTOR emergipoversub
HIGH PROBABILITY OF COMPLETION TRUNK GROUP PROFILE hpcprofile
HIGH PROBABILITY OF COMPLETION EARLY ACM earlyacm
HIGH PROBABILITY OF COMPLETION IP OVERSUBSCRIPTION FACTOR oversub
HIGH PROBABILITY OF COMPLETION IP OVERSUBSCRIPTION OVERRIDE override
```

Output Parameters

GSX_ADD_TRUNK_GROUP_CONF_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ADD_TRUNK_GROUP_CONF_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DEL_CAS-CHANNEL

Delete CAS Channel. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningCasChannel.delCASChannel.**

Table 2–28   A_SONUS-GSX9000_7-3-X_DEL_CAS-CHANNEL

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
CAS_CHAN_SERVICENAME	The name of the CAS service to which the channels are being assigned.	N/A	N/A	S	R
CAS_CHAN_PORT	The automatically created (and possibly changed) name of the T1 or E1 span that is assigned to the CAS channels.	N/A	N/A	S	R
CAS_CHAN_CHANRANGE	A set of channels. Must be one or more ranges of channels within the overall range 1-31.	N/A	N/A	S	R
RETURN_DATA_PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

```
This method deletes a CAS Service Channel from GSX.

Command:
DELETE CAS CHANNEL SERVICE servicename PORT portnumber CHANNEL channelrange
```

Output Parameters

GSX_DEL_CAS_CHANNEL_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_DEL_CAS_CHANNEL_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM.

A_SONUS-GSX9000_7-3-X_DEL_CAS-SERVICE

Delete CAS service. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningCasService.delCASService.**

Table 2–29   A_SONUS-GSX9000_7-3-X_DEL_CAS-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
CAS_SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
RETURN_DATA_PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

```
This method deletes a CAS Service from GSX.

Command:
DELETE CAS SERVICE servicename
```

Output Parameters

GSX_DEL_CAS_SERVICE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_DEL_CAS_SERVICE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM.

A_SONUS-GSX9000_7-3-X_DEL_ISDN-INTERFACE

Deletes an ISDN interface. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningISDN.delISDNInterface.**

Table 2–30   A_SONUS-GSX9000_7-3-X_DEL_ISDN-INTERFACE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which this ISDN Interface is linked.	N/A	N/A	S	R
INTERFACE	The Q.931 interface identifier. Must be 0-19 or 1-20.	N/A	N/A	S	R

MML commands

MML Syntax :

```
DELETE ISDN INTERFACE SERVICE servicename ..
INTERFACE interface
```

Output Parameters

GSX_DEL_ISDN_INTERFACE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_DEL_ISDN_INTERFACE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DEL_ISDN-SERVICE

Deletes an ISDN service. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.delISDNService.**

Table 2–31   A_SONUS-GSX9000_7-3-X_DEL_ISDN-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service that is being deleted.	N/A	N/A	S	R

MML commands

MML Syntax :

```
DELETE ISDN SERVICE servicename
```

Output Parameters

GSX_DEL_ISDN_SERVICE_RETCODE as CSDL parameter to the SARM table TBL_ SRQ_PARM.

GSX_DEL_ISDN_SERVICE_RETCODE as INFO parameter to the SARM table TBL_ INFO_PARM

A_SONUS-GSX9000_7-3-X_DEL_ISUP-CIRCUIT

Deletes the ISUP Circuit Service Name. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISUP.delISUPCircuit.**

Table 2–32   A_SONUS-GSX9000_7-3-X_DEL_ISUP-CIRCUIT

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISCNAME	The name of the ISUP service used by the circuit that you are configuring.	N/A	N/A	S	R
CIC	The set of CICs that comprise this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0-16383-ANSI1992 and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R

MML commands

MML Syntax :

```
DELETE ISUP CIRCUIT SERVICE icsname CIC cicrange
```

Output Parameters

GSX_DEL_ISUP_CIRCUIT_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_DEL_ISUP_CIRCUIT_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DEL_ISUP-SERVICE

Deletes an ISUP service name. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningISUP.delISUPService.**

Table 2–33   A_SONUS-GSX9000_7-3-X_DEL_ISUP-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R

MML commands

MML Syntax :

```
DELETE ISUP SERVICE isname
```

Output Parameters

GSX_DEL_ISUP_SERVICE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_DEL_ISUP_SERVICE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DEL_SERVER

Deletes the server object from the GSX node. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningServer.delServer.**

Table 2–34   A_SONUS-GSX9000_7-3-X_DEL_SERVER

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	R
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	R

MML commands

MML Syntax :

```
DELETE SERVER SHELF shelfnumber SLOT slotnumber
```

Output Parameters

GSX_DEL_SERVER_RETCODE as CSDL parameter to the SARM table TBL_SRQ_ PARM.

GSX_DEL_SERVER_RETCODE as INFO parameter to the SARM table TBL_INFO_ PARM

A_SONUS-GSX9000_7-3-X_DEL_TRUNK-GROUP

Deletes a trunk group. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningTrunkGroup.delTrunkGroup.**

Table 2–35   A_SONUS-GSX9000_7-3-X_DEL_TRUNK-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
TGNAME	The name of the trunk group being configured. This name may not contain a period	N/A	N/A	S	R

MML commands

MML Syntax :

```
DELETE TRUNK GROUP tgname
```

Output Parameters

GSX_DEL_TRUNK_GROUP_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM

GSX_DEL_TRUNK_GROUP_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DISABLE_CAS-CHANNEL-MODE

Disable CAS Channel mode. It is implemented by the Java method
**com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningCasChannel.disableCASChannelMode.**

Table 2–36   A_SONUS-GSX9000_7-3-X_DISABLE_CAS-CHANNEL-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
CAS_CHAN_ SERVICENAME	The name of the CAS service to which the channels are being assigned.	N/A	N/A	S	R
CAS_CHAN_PORT	The automatically created (and possibly changed) name of the T1 or E1 span that is assigned to the CAS channels.	N/A	N/A	S	R
CAS_CHAN_ CHANRANGE	A set of channels. Must be one or more ranges of channels within the overall range 1-31.	N/A	N/A	S	R
CAS_CHAN_ACTION	The method by which active calls on the designated channels are processed when oper-state goes to outOfService from inservice.	N/A	N/A	S	O
CAS_CHAN_ TIMEOUT	The time (in minutes) to wait to place the channel in the outOfService oper-state. Must be 1-1440, default is 5.	N/A	N/A	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

```
This method disables MODE of a CAS Service Channel on GSX.

Command:
 CONFIGURE CAS SERVICE CHANNEL servicename
 MODE oper-state ACTION action TIMEOUT timeout
```

Output Parameters

GSX_DIS_CAS_CAHNNEL_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_DIS_CAS_CAHNNEL_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DISABLE_CAS-CHANNEL-STATE

Disable CAS Channel state. It is implemented by the Java method
**com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningCasChannel.disableCASChannelState.**

Table 2–37   A_SONUS-GSX9000_7-3-X_DISABLE_CAS-CHANNEL-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
CAS_CHAN_ SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
CAS_CHAN_PORT	The automatically created (and possibly changed) name of the T1 or E1 span that is assigned to the CAS channels.	N/A	N/A	S	R
CAS_CHAN_ CHANRANGE	A set of channels. Must be one or more ranges of channels within the overall range 1-31.	N/A	N/A	S	R
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

```
This method disables administrative state of a CAS Service Channel on GSX.
```

```
Command:
 CONFIGURE CAS SERVICE CHANNEL servicename STATE admin-state
```

Output Parameters

GSX_DIS_CAS_CHANNEL_STATE_RETCODE as CSDL parameter to the SARM table
TBL_SRQ_PARM.

GSX_DIS_CAS_CHANNEL_STATE_RETCODE as INFO parameter to the SARM table
TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DISABLE_CAS-SERVICE-MODE

Disable CAS service mode. It is implemented by the Java method
**com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningCasService.disableCASServiceMode.**

Table 2–38   A_SONUS-GSX9000_7-3-X_DISABLE_CAS-SERVICE-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
CAS_SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R

Table 2–38 (Cont.) A_SONUS-GSX9000_7-3-X_DISABLE_CAS-SERVICE-MODE

Parameter Name	Description	Range	Default Value	Type	Class
CAS_ACTION	The method by which calls on the channels using this CAS service are processed when oper-state goes to outOfService.	N/A	N/A	S	O
CAS_TIMEOUT	The time (in minutes) to wait to place the CAS channels in the outOfService oper-state. Must be 1-1440.	N/A	N/A	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

This method disables MODE of a CAS Service on GSX.

Command:
 CONFIGURE CAS SERVICE servicename
 MODE oper-state ACTION action TIMEOUT timeout

Output Parameters

GSX_DIS_CAS_SERVICE_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_DIS_CAS_SERVICE_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DISABLE_CAS-SERVICE-STATE

Disable CAS servie state. It is implemented by the Java method
**com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningCasService.disableCASServiceState.**

Table 2–39 A_SONUS-GSX9000_7-3-X_DISABLE_CAS-SERVICE-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
CAS_SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

This method disables administrative state of a CAS Service on GSX.

Command:
 CONFIGURE CAS SERVICE servicename STATE admin-state

Output Parameters

GSX_DIS_CAS_SERVICE_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_DIS_CAS_SERVICE_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DISABLE_ISDN-BCHANNEL-MODE

Changes the operational state to outofservice. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.disableISDNBChannelMode.**

Table 2–40   A_SONUS-GSX9000_7-3-X_DISABLE_ISDN-BCHANNEL-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
INTERFACE	The number of the ISDN Interface that contains the designated B-channels. Must be 0-20.	N/A	N/A	S	R
BCHANNEL	A single B-channel number or a set of B-channels. Must be one or more ranges of Bchannels within the overall range 1-23.	N/A	N/A	S	R
DISABLE_ BCHANNEL_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
DISABLE_ BCHANNEL_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN BCHANNEL SERVICE servicename ..
INTERFACE interface
BCHANNEL bchannelrange or  bchannel
MODE oper-state
ACTION action
TIMEOUT timeout
```

Output Parameters

GSX_DIS_ISDN_BCHANNEL_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_DIS_ISDN_BCHANNEL_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DISABLE_ISDN-BCHANNEL-STATE

Changes the administrative state to disabled. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.disableISDNBChannelState.**

Table 2–41   A_SONUS-GSX9000_7-3-X_DISABLE_ISDN-BCHANNEL-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
INTERFACE	The number of the ISDN Interface that contains the designated B-channels. Must be 0-20.	N/A	N/A	S	R
BCHANNEL	A single B-channel number or a set of B-channels. Must be one or more ranges of Bchannels within the overall range 1-23.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE ISDN BCHANNEL SERVICE servicename ..
INTERFACE interface
BCHANNEL bchannel or bchannelrange
STATE admin-state
```

Output Parameters

GSX_DIS_ISDN_BCHANNEL_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_DIS_ISDN_BCHANNEL_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DISABLE_ISDN-DCHANNEL-BACKUP-MODE

Changes the operational state to outofservice. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.disableISDNDChannelBackupMode.**

Table 2–42   A_SONUS-GSX9000_7-3-X_DISABLE_ISDN-DCHANNEL-BACKUP-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename ..
BACKUP DCHANNEL MODE pdm
```

Output Parameters

GSX_DIS_ISDN_DCHANNEL_BACKUP_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_DIS_ISDN_DCHANNEL_BACKUP_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DISABLE_ISDN-DCHANNEL-PRIMARY-MODE

Changes the operational state to ouofservice. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.disableISDNDChannelPrimaryMode.**

Table 2–43   A_SONUS-GSX9000_7-3-X_DISABLE_ISDN-DCHANNEL-PRIMARY-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename ..
PRIMARY DCHANNEL MODE pdm
```

Output Parameters

GSX_DIS_ISDN_DCHANNEL_PRIMARY_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_DIS_ISDN_DCHANNEL_PRIMARY_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DISABLE_ISDN-INTERFACE-STATE

Changes the administrative state to disabled. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.disableISDNInterfaceState.**

Table 2–44   A_SONUS-GSX9000_7-3-X_DISABLE_ISDN-INTERFACE-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which this ISDN Interface is linked.	N/A	N/A	S	R
INTERFACE	The Q.931 interface identifier. Must be 0-19 or 1-20.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE ISDN INTERFACE SERVICE servicename ..
INTERFACE interface STATE admin-state
```

Output Parameters

GSX_DIS_ISDN_INTERFACE_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM

GSX_DIS_ISDN_INTERFACE_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DISABLE_ISDN-SERVICE-MODE

Changes the Operational state to outofservice. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.disableISDNServiceMode.**

Table 2–45   A_SONUS-GSX9000_7-3-X_DISABLE_ISDN-SERVICE-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service that is being created and configured.	N/A	N/A	S	R
DISABLE_ISDN_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup-all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped. force-all calls are dropped immediately.	N/A	N/A	S	O
DISABLE_ISDN_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename ..
MODE oper-state ACTION action TIMEOUT timeout
```

Output Parameters

GSX_DIS_ISDN_SERVICE_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_DIS_ISDN_SERVICE_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DISABLE_ISDN-SERVICE-STATE

Changes Administrative state to disabled. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.disableISDNServiceState.**

Table 2–46   A_SONUS-GSX9000_7-3-X_DISABLE_ISDN-SERVICE-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service that is being created and configured.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename STATE admin-state
```

Output Parameters

GSX_DIS_ISDN_SERVICE_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_DIS_ISDN_SERVICE_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DISABLE_ISUP-CIRCUIT-MODE

Changes the Operational state to outofservice. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISUP.disableISUPCircuitMode.**

Table 2–47   A_SONUS-GSX9000_7-3-X_DISABLE_ISUP-CIRCUIT-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISCNAME	The name of the ISUP service used by the circuit that you are configuring.	N/A	N/A	S	R
CIC	The set of CICs that comprise this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0-16383-ANSI1992 and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R
DISABLE_ISC_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
DISABLE_ISC_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISUP CIRCUIT SERVICE icsname CIC cicrange ..
MODE oper-state ACTION action TIMEOUT timeout
```

Output Parameters

GSX_DIS_ISUP_CIRCUIT_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_DIS_ISUP_CIRCUIT_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DISABLE_ISUP-CIRCUIT-STATE

Changes the Administrative state to disabled. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISUP.disableISUPCircuitState.**

Table 2–48 A_SONUS-GSX9000_7-3-X_DISABLE_ISUP-CIRCUIT-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISCNAME	The name of the ISUP service used by the circuit that you are configuring.	N/A	N/A	S	R
CIC	The set of CICs that comprise this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0-16383-ANSI1992 and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE ISUP CIRCUIT SERVICE icsname CIC cicrange ..
STATE admin-state
```

Output Parameters

GSX_DIS_ISUP_CIRCUIT_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_DIS_ISUP_CIRCUIT_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DISABLE_ISUP-SERVICE-MODE

Changes the operational state to outofservice. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISUP.disableISUPServiceMode.**

Table 2–49 A_SONUS-GSX9000_7-3-X_DISABLE_ISUP-SERVICE-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R

Table 2–49   (Cont.) A_SONUS-GSX9000_7-3-X_DISABLE_ISUP-SERVICE-MODE

Parameter Name	Description	Range	Default Value	Type	Class
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
DISABLE_ISUP_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
DISABLE_ISUP_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISUP SERVICE isname ..
MODE oper-state
ACTION action
TIMEOUT timeout
```

Output Parameters

GSX_DIS_ISUP_SERVICE_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM

GSX_DIS_ISUP_SERVICE_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DISABLE_ISUP-SERVICE-STATE

Changes the administrative state to disabled. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISUP.disableISUPServiceState.**

Table 2–50   A_SONUS-GSX9000_7-3-X_DISABLE_ISUP-SERVICE-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE ISUP SERVICE isname STATE admin-state
```

Output Parameters

GSX_DIS_ISUP_SERVICE_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_DIS_ISUP_SERVICE_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DISABLE_SERVER-MODE

Changes the operational state to outOfService. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningServer.disableServerMode.**

Table 2–51   A_SONUS-GSX9000_7-3-X_DISABLE_SERVER-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	R
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	R
SERVER_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE SERVER SHELF shelfnumber ..
SLOT slotnumber
MODE oper-state
ACTION action
```

Output Parameters

GSX_DIS_SERVER_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_DIS_SERVER_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DISABLE_SERVER-STATE

Changes the administrative state to disabled. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningServer.disableServerState.**

Table 2–52   A_SONUS-GSX9000_7-3-X_DISABLE_SERVER-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	R
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE SERVER SHELF shelfnumber ..
SLOT slotnumber
STATE admin-state
```

Output Parameters

GSX_DIS_SERVER_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_DIS_SERVER_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DISABLE_T1-CIRCUIT-MODE

Changes the operational state to outOfService. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningT1Circuit.disableT1CircuitMode.**

Table 2–53   A_SONUS-GSX9000_7-3-X_DISABLE_T1-CIRCUIT-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31, or 1-3 for CNS60.	N/A	N/A	S	O

Table 2–53   (Cont.) A_SONUS-GSX9000_7-3-X_DISABLE_T1-CIRCUIT-MODE

Parameter Name	Description	Range	Default Value	Type	Class
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
DISABLE_T1_ CIRCUIT_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Values are: dryup (all active calls are allowed to complete until the timeout interval expires), force (all calls are dropped immediately).	N/A	N/A	S	O
DISABLE_T1_ CIRCUIT_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE T1 t1name MODE oper-state ..
ACTION action TIMEOUT timeout
```

Output Parameters

GSX_DIS_T1_CIRCUIT_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_DIS_T1_CIRCUIT_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DISABLE_T1-CIRCUIT-STATE

Changes the administrative state to enabled. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningT1Circuit.disableT1CircuitState.**

Table 2–54   A_SONUS-GSX9000_7-3-X_DISABLE_T1-CIRCUIT-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	The span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	The port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12).For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE T1 t1name STATE admin-state
```

Output Parameters

GSX_DIS_T1_CIRCUIT_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_DIS_T1_CIRCUIT_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DISABLE_TRUNK-GROUP-MODE

Changes the operational state to outofservice. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningTrunkGroup.disableTrunkGroupMode.**

Table 2–55   A_SONUS-GSX9000_7-3-X_DISABLE_TRUNK-GROUP-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
TGNAME	The name of the trunk group being configured. This name may not contain a period.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE TRUNK GROUP tgname ..
MODE oper-state
ACTION action
TIMEOUT timeout
```

Output Parameters

GSX_DIS_TRUNK_GROUP_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_DIS_TRUNK_GROUP_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_DISABLE_TRUNK-GROUP-STATE

Changes the administrative state to disabled. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningTrunkGroup.disableTrunkGroupState.**

Table 2–56   A_SONUS-GSX9000_7-3-X_DISABLE_TRUNK-GROUP-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
TGNAME	The name of the trunk group being configured. This name may not contain a period.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE TRUNK GROUP tgname ..
STATE admin-state
```

Output Parameters

GSX_DIS_TRUNK_GROUP_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_DIS_TRUNK_GROUP_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ENABLE_CAS-CHANNEL-MODE

Enable CAS Channel mode. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningCasChannel.enableCASChannelMode.**

Table 2–57   A_SONUS-GSX9000_7-3-X_ENABLE_CAS-CHANNEL-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
CAS_CHAN_ SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
CAS_CHAN_PORT	The automatically created (and possibly changed) name of the T1 or E1 span that is assigned to the CAS channels.	N/A	N/A	S	R
CAS_CHAN_ CHANRANGE	A set of channels. Must be one or more ranges of channels within the overall range 1-31.	N/A	N/A	S	R
CAS_CHAN_MODE	The operational state of the designated channel(s).	N/A	N/A	S	O
CAS_CHAN_ACTION	The method by which active calls on the designated channels are processed when oper-state goes to outOfService from inservice.	N/A	N/A	S	O
CAS_CHAN_ TIMEOUT	The time (in minutes) to wait to place the channel in the outOfService oper-state. Must be 1-1440, default is 5.	N/A	N/A	S	O
OLD_CAS_CHAN_ MODE	The operational state of the designated channel(s).	N/A	N/A	S	O
OLD_CAS_CHAN_ ACTION	The method by which active calls on the designated channels are processed when oper-state goes to outOfService from inservice.	N/A	N/A	S	O
OLD_CAS_CHAN_ IMEOUT	The time (in minutes) to wait to place the channel in the outOfService oper-state. Must be 1-1440, default is 5.	N/A	N/A	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

```
This method enables MODE of a CAS Service Channel on GSX.

Command:
 CONFIGURE CAS SERVICE CHANNEL servicename
 MODE oper-state ACTION action TIMEOUT timeout
```

Output Parameters

GSX_ENA_CAS_CAHNNEL_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ENA_CAS_CAHNNEL_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ENABLE_CAS-CHANNEL-STATE

Enable CAS Channel state. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningCasChannel.enableCASChannelState.**

Table 2–58   A_SONUS-GSX9000_7-3-X_ENABLE_CAS-CHANNEL-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
CAS_CHAN_ SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
CAS_CHAN_PORT	The automatically created (and possibly changed) name of the T1 or E1 span that is assigned to the CAS channels.	N/A	N/A	S	R
CAS_CHAN_ CHANRANGE	A set of channels. Must be one or more ranges of channels within the overall range 1-31.	N/A	N/A	S	R
CAS_CHAN_STATE	The administrative state of the module in the CAS Channel. Values: disabled or enabled.	N/A	N/A	S	O
OLD_CAS_CHAN_ STATE	The administrative state of the module in the CAS Channel. Values: disabled or enabled. Use for the rollback action.	N/A	N/A	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

```
This method enables administrative state of a CAS Service Channel on GSX.
```

```
Command:
 CONFIGURE CAS SERVICE CHANNEL servicename STATE admin-state
```

Output Parameters

GSX_ENA_CAS_CHANNEL_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ENA_CAS_CHANNEL_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ENABLE_CAS-SERVICE-MODE

Enable CAS service mode. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningCasService.enableCASServiceMode.**

Table 2–59   A_SONUS-GSX9000_7-3-X_ENABLE_CAS-SERVICE-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
CAS_SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
CAS_ACTION	The method by which calls on the channels using this CAS service are processed when oper-state goes to outOfService.	N/A	N/A	S	O
CAS_TIMEOUT	The time (in minutes) to wait to place the CAS channels in the outOfService oper-state. Must be 1-1440.	N/A	N/A	S	O
CAS_MODE	The operational state of the CAS service.	N/A	N/A	S	O
OLD_CAS_ACTION	The method by which calls on the channels using this CAS service are processed when oper-state goes to outOfService.	N/A	N/A	S	O
OLD_CAS_TIMEOUT	The time (in minutes) to wait to place the CAS channels in the outOfService oper-state. Must be 1-1440.	N/A	N/A	S	O
OLD_CAS_MODE	The operational state of the CAS service.	N/A	N/A	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

```
This method disables MODE of a CAS Service on GSX.

Command:
 CONFIGURE CAS SERVICE servicename
 MODE oper-state ACTION action TIMEOUT timeout
```

Output Parameters

GSX_ENA_CAS_SERVICE_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ENA_CAS_SERVICE_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ENABLE_CAS-SERVICE-STATE

Enable CAS service state. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningCasService.enableCASServiceState.**

Table 2–60   A_SONUS-GSX9000_7-3-X_ENABLE_CAS-SERVICE-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI		N/A	N/A	S	R
CAS_SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
CAS_STATE	Administrative state of CAS Service.	N/A	N/A	S	O
OLD_CAS_STATE	Administrative state of CAS Service. Use for rollback	N/A	N/A	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

This method enables administrative state of a CAS Service on GSX.

Command:
 CONFIGURE CAS SERVICE servicename STATE admin-state

Output Parameters

GSX_ENA_CAS_SERVICE_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ENA_CAS_SERVICE_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ENABLE_ISDN-BCHANNEL-MODE

Changes the operational state to inservice. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.enableISDNBChannelMode.**

Table 2–61   A_SONUS-GSX9000_7-3-X_ENABLE_ISDN-BCHANNEL-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
INTERFACE	The number of the ISDN Interface that contains the designated B-channels. Must be 0-20.	N/A	N/A	S	R
BCHANNEL	A single B-channel number or a set of B-channels. Must be one or more ranges of Bchannels within the overall range 1-23.	N/A	N/A	S	R
ENABLE_ BCHANNEL_MODE	The operational state of the server module in the GSX chassis: inservice (active), outofservice (not active, able to put into disabled administrative state).	N/A	inservice	S	O

Table 2–61   (Cont.) A_SONUS-GSX9000_7-3-X_ENABLE_ISDN-BCHANNEL-MODE

Parameter Name	Description	Range	Default Value	Type	Class
ENABLE_ BCHANNEL_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
ENABLE_ BCHANNEL_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
OLD_ENABLE_ BCHANNEL_MODE	The operational state of the server module in the GSX chassis: inservice (active), outofservice (not active, able to put into disabled administrative state).	N/A	N/A	S	O
OLD_ENABLE_ BCHANNEL_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
OLD_ENABLE_ BCHANNEL_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN BCHANNEL SERVICE servicename ..
INTERFACE interface
BCHANNEL bchannelrange or  bchannel
MODE oper-state
ACTION action
TIMEOUT timeout
```

Output Parameters

GSX_ENA_ISDN_BCHANNEL_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM

GSX_ENA_ISDN_BCHANNEL_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ENABLE_ISDN-BCHANNEL-STATE

Changes the administrative state to enabled. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.enableISDNBChannelState.**

Table 2–62   A_SONUS-GSX9000_7-3-X_ENABLE_ISDN-BCHANNEL-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
INTERFACE	The number of the ISDN Interface that contains the designated B-channels. Must be 0-20.	N/A	N/A	S	R
BCHANNEL	A single B-channel number or a set of B-channels. Must be one or more ranges of Bchannels within the overall range 1-23.	N/A	N/A	S	R
ENABLE_ BCHANNEL_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	enabled	S	R
OLD_ENABLE_ BCHANNEL_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled. Use for the rollback action.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN BCHANNEL SERVICE servicename ..
INTERFACE interface
BCHANNEL bchannel or bchannelrange
STATE admin-state
```

Output Parameters

GSX_ENA_ISDN_BCHANNEL_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ENA_ISDN_BCHANNEL_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ENABLE_ISDN-DCHANNEL-BACKUP-MODE

Changes the operational state to inservice. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.enableISDNDChannelBackupMode.**

Table 2–63   A_SONUS-GSX9000_7-3-X_ENABLE_ISDN-DCHANNEL-BACKUP-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
ENABLE_BACKUP_ MODE	The ISDN service group backup D-channel mode: inService (active), outOfService (inactive), unEquipped (unable to be used for signaling).	N/A	inService	S	R
OLD_ENABLE_ BACKUP_MODE	The ISDN service group backup D-channel mode: inService (active), outOfService (inactive), unEquipped (unable to be used for signaling).	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename ..
BACKUP DCHANNEL MODE pdm
```

Output Parameters

GSX_ENA_ISDN_DCHANNEL_BACKUP_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ENA_ISDN_DCHANNEL_BACKUP_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ENABLE_ISDN-DCHANNEL-PRIMARY-MODE

Changes the operational state to inservice. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.enableISDNDChannelPrimaryMode.**

Table 2–64   A_SONUS-GSX9000_7-3-X_ENABLE_ISDN-DCHANNEL-PRIMARY-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
ENABLE_PRIMARY_ MODE	The ISDN service group primary D-channel mode: inService (active), outOfService (inactive).	N/A	inService	S	R
OLD_ENABLE_ PRIMARY_MODE	The ISDN service group primary D-channel mode: inService (active), outOfService (inactive).	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename ..
PRIMARY DCHANNEL MODE pdm
```

Output Parameters

GSX_ENA_ISDN_DCHANNEL_PRIMARY_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ENA_ISDN_DCHANNEL_PRIMARY_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ENABLE_ISDN-INTERFACE-STATE

Changes the Administrative state to enabled. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.enableISDNInterfaceState.**

Table 2–65   A_SONUS-GSX9000_7-3-X_ENABLE_ISDN-INTERFACE-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which this ISDN Interface is linked.	N/A	N/A	S	R
INTERFACE	The Q.931 interface identifier. Must be 0-19 or 1-20.	N/A	N/A	S	R
ENABLE_ INTERFACE_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	enabled	S	R
OLD_ENABLE_ INTERFACE_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN INTERFACE SERVICE servicename ..
INTERFACE interface STATE admin-state
```

Output Parameters

GSX_ENA_ISDN_INTERFACE_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM

GSX_ENA_ISDN_INTERFACE_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ENABLE_ISDN-SERVICE-MODE

Changes the Operational state to inservice. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.enableISDNServiceMode.**

Table 2–66   A_SONUS-GSX9000_7-3-X_ENABLE_ISDN-SERVICE-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service that is being created and configured.	N/A	N/A	S	R
ENABLE_ISDN_ MODE	The operational state of the server module in the GSX chassis: inservice (active), outofservice (not active, able to put into disabled administrative state).	N/A	inservice	S	O
ENABLE_ISDN_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup-all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped. force-all calls are dropped immediately.	N/A	N/A	S	O
ENABLE_ISDN_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
OLD_ENABLE_ISDN_ MODE	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately. Use for the rollback action.	N/A	N/A	S	O
OLD_ENABLE_ISDN_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup-all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped. force-all calls are dropped immediately.	N/A	N/A	S	O
OLD_ENABLE_ISDN_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately. Use for the rollback action.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename ..
MODE oper-state ACTION action TIMEOUT timeout
```

Output Parameters

GSX_ENA_ISDN_SERVICE_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ENA_ISDN_SERVICE_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ENABLE_ISDN-SERVICE-STATE

Changes the Administrative state to enabled. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.enableISDNServiceState.**

Table 2–67   A_SONUS-GSX9000_7-3-X_ENABLE_ISDN-SERVICE-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service that is being created and configured.	N/A	N/A	S	R
ENABLE_ISDN_ STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	enabled	S	R
OLD_ENABLE_ISDN_ STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled. Use for the rollback action.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename STATE admin-state
```

Output Parameters

GSX_ENA_ISDN_SERVICE_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ENA_ISDN_SERVICE_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ENABLE_ISUP-CIRCUIT-MODE

Changes the Operational state to inservice. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISUP.enableISUPCircuitMode.**

Table 2–68   A_SONUS-GSX9000_7-3-X_ENABLE_ISUP-CIRCUIT-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISCNAME	The name of the ISUP service used by the circuit that you are configuring.	N/A	N/A	S	R
CIC	The set of CICs that comprise this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0-16383-ANSI1992 and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R
ENABLE_ISC_MODE	The operational state of the server module in the GSX chassis: inservice (Active), outofservice (Not active, able to put into disabled administrative state).	N/A	inservice	S	O
ENABLE_ISC_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
ENABLE_ISC_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
OLD_ENABLE_ISC_MODE	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
OLD_ENABLE_ISC_ACTION	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
OLD_ENABLE_ISC_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISUP CIRCUIT SERVICE icsname CIC cicrange ..
MODE oper-state ACTION action TIMEOUT timeout
```

Output Parameters

GSX_ENA_ISUP_CIRCUIT_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM

GSX_ENA_ISUP_CIRCUIT_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ENABLE_ISUP-CIRCUIT-STATE

Changes the Administrative state to enabled. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISUP.enableISUPCircuitState.**

Table 2–69   A_SONUS-GSX9000_7-3-X_ENABLE_ISUP-CIRCUIT-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISCNAME	The name of the ISUP service used by the circuit that you are configuring.	N/A	N/A	S	R
CIC	The set of CICs that comprise this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0-16383-ANSI1992 and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R
ENABLE_ISC_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	enabled	S	R
OLD_ENABLE_ISC_ STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISUP CIRCUIT SERVICE icsname CIC cicrange ..
STATE admin-state
```

Output Parameters

GSX_ENA_ISUP_CIRCUIT_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ENA_ISUP_CIRCUIT_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ENABLE_ISUP-SERVICE-MODE

Changes the operational state to inservice. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISUP.enableISUPServiceMode.**

Table 2–70   A_SONUS-GSX9000_7-3-X_ENABLE_ISUP-SERVICE-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
ENABLE_ISUP_MODE	The operational state of the server module in the GSX chassis. Valid values: inservice (Active), outofservice (Not active, able to put into disabled administrative state).	N/A	inservice	S	O
ENABLE_ISUP_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
ENABLE_ISUP_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
OLD_ENABLE_ISUP_ MODE	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
OLD_ENABLE_ISUP_ ACTION	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
OLD_ENABLE_ISUP_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISUP SERVICE isname ..
MODE oper-state
ACTION action
TIMEOUT timeout
```

Output Parameters

GSX_ENA_ISUP_SERVICE_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ENA_ISUP_SERVICE_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ENABLE_ISUP-SERVICE-STATE

Changes the administrative state to enabled. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISUP.enableISUPServiceState.**

Table 2–71   A_SONUS-GSX9000_7-3-X_ENABLE_ISUP-SERVICE-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
ENABLE_ISUP_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	enabled	S	R
OLD_ENABLE_ISUP_ STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISUP SERVICE isname STATE admin-state
```

Output Parameters

GSX_ENA_ISUP_SERVICE_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ENA_ISUP_SERVICE_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ENABLE_SERVER-MODE

Changes the operational state to inService or outOfService. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningServer.enableServerMode.**

Table 2–72   A_SONUS-GSX9000_7-3-X_ENABLE_SERVER-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	R
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	R

Table 2–72   (Cont.) A_SONUS-GSX9000_7-3-X_ENABLE_SERVER-MODE

Parameter Name	Description	Range	Default Value	Type	Class
ENABLE_SERVER_MODE	The operational state of the server module in the GSX chassis. Inservice - Active. Outofservice - Not active, able to put into disabled administrative state.	N/A	inService	S	O
ENABLE_CORE_DUMP	The action to be taken when a fatal software fault is detected in the module. Values: disabled or enabled (perform core dump, then reboot).	N/A	N/A	S	O
OLD_ENABLE_SERVER_MODE	The operational state of the server module in the GSX chassis. Inservice - Active. Outofservice - Not active, able to put into disabled administrative state. Use for rollback.	N/A	N/A	S	O
OLD_ENABLE_CORE_DUMP	The action to be taken when a fatal software fault is detected in the module. Values: disabled or enabled (perform core dump, then reboot). Use for rollback.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE SERVER SHELF shelfnumber ..
SLOT slotnumber
CORE DUMP cdump-state
MODE oper-state
```

Output Parameters

GSX_ENA_SERVER_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM

GSX_ENA_SERVER_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ENABLE_SERVER-STATE

Changes the administrative state to enabled or disabled. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningServer.enableServerState.**

Table 2–73   A_SONUS-GSX9000_7-3-X_ENABLE_SERVER-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	R
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	R
ENABLE_SERVER_ STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	enabled	S	R
OLD_ENABLE_ SERVER_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled used for rollback.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE SERVER SHELF shelfnumber ..
SLOT slotnumber
STATE admin-state
```

Output Parameters

GSX_ENA_SERVER_STATE_RETCODE as CSDL parameter to the SARM table TBL_ SRQ_PARM

GSX_ENA_SERVER_STATE_RETCODE as INFO parameter to the SARM table TBL_ INFO_PARM

A_SONUS-GSX9000_7-3-X_ENABLE_T1-CIRCUIT-MODE

Changes the operational state to inService or outOfService. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningT1Circuit.enableT1CircuitMode.**

Table 2–74   A_SONUS-GSX9000_7-3-X_ENABLE_T1-CIRCUIT-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O

Table 2–74   (Cont.) A_SONUS-GSX9000_7-3-X_ENABLE_T1-CIRCUIT-MODE

Parameter Name	Description	Range	Default Value	Type	Class
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port Number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
ENABLE_T1_ CIRCUIT_MODE	The operational state of the server module in the GSX chassis. Values are: inservice (Active), outofservice (not active, able to put into disabled administrative state).	N/A	inService	S	O
ENABLE_T1_ CIRCUIT_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Values are: dryup (all active calls are allowed to complete until the timeout interval expires), force (all calls are dropped immediately).	N/A	N/A	S	O
ENABLE_T1_ CIRCUIT_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
OLD_ENABLE_T1_ CIRCUIT_MODE	The operational state of the server module in the GSX chassis. Values are: inservice (Active), outofservice (not active, able to put into disabled administrative state).	N/A	N/A	S	O
OLD_ENABLE_T1_ CIRCUIT_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Values are: dryup (all active calls are allowed to complete until the timeout interval expires), force (all calls are dropped immediately).	N/A	N/A	S	O
OLD_ENABLE_T1_ CIRCUIT_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE T1 t1name MODE oper-state ..
ACTION action TIMEOUT timeout
```

Output Parameters

GSX_ENA_T1_CIRCUIT_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ENA_T1_CIRCUIT_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ENABLE_T1-CIRCUIT-STATE

Changes the administrative state to enabled or disabled. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningT1Circuit.enableT1CircuitState.**

Table 2–75   A_SONUS-GSX9000_7-3-X_ENABLE_T1-CIRCUIT-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
ENABLE_T1_CIRCUIT_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	enabled	S	R
OLD_ENABLE_T1_CIRCUIT_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE T1 t1name STATE admin-state
```

Output Parameters

GSX_ENA_T1_CIRCUIT_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_ENA_T1_CIRCUIT_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ENABLE_TRUNK-GROUP-MODE

Changes the operational state to inservice. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningTrunkGroup.enableTrunkGroupMode.**

Table 2–76   A_SONUS-GSX9000_7-3-X_ENABLE_TRUNK-GROUP-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
TGNAME	The name of the trunk group being configured. This name may not contain a period	N/A	N/A	S	R
ENABLE_TG_MODE	The operational state of the trunk group. Valid values: inservice or outOfService.	N/A	inservice	S	O
ENABLE_TG_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires, the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
ENABLE_TG_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
OLD_ENABLE_TG_ MODE	The operational state of the trunk group. Valid values: inservice or outOfService.	N/A	inservice	S	O
OLD_ENABLE_TG_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires, the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
OLD_ENABLE_TG_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE TRUNK GROUP tgname ..
MODE oper-state
ACTION action
TIMEOUT timeout
```

Output Parameters

GSX_ENA_TRUNK_GROUP_MODE_RETCODE as CSDL parameter to the SARM
table TBL_SRQ_PARM

GSX_ENA_TRUNK_GROUP_MODE_RETCODE as INFO parameter to the SARM
table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_ENABLE_TRUNK-GROUP-STATE

Changes the administrative state to enabled. It is implemented by the Java method
**com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningTrunkGroup.enableTrunkGroupState.**

Table 2–77   A_SONUS-GSX9000_7-3-X_ENABLE_TRUNK-GROUP-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
TGNAME	The name of the trunk group being configured. This name may not contain a period.	N/A	N/A	S	R
ENABLE_TG_STATE	The administrative state of the trunk group. Valid values: enabled or disabled.	N/A	enabled	S	R
OLD_ENABLE_TG_ STATE	The administrative state of the trunk group. Valid values: enabled or disabled. Used for the rollback.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE TRUNK GROUP tgname ..
STATE admin-state
```

Output Parameters

GSX_ENA_TRUNK_GROUP_STATE_RETCODE as CSDL parameter to the SARM
table TBL_SRQ_PARM

GSX_ENA_TRUNK_GROUP_STATE_RETCODE as INFO parameter to the SARM
table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-CONF

Modify CAS Channel Configuration. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningCasChannel.modCASChannelConf.**

Table 2–78   A_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-CONF

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
CAS_CHAN_ SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
CAS_CHAN_PORT	The automatically created (and possibly changed) name of the T1 or E1 span that is assigned to the CAS channels.	N/A	N/A	S	R
CAS_CHAN_ CHANRANGE	A set of channels. Must be one or more ranges of channels within the overall range 1-31.	N/A	N/A	S	R
CAS_CHAN_ CIRCUITPROFILE	The name of the Circuit Service Profile that you are applying to the designated channels.	N/A	N/A	S	O
CAS_CHAN_ DIRECTION	The direction of traffic allowed on the designated channel(s).	N/A	N/A	S	O
CAS_CHAN_ TMEMBER	A range of numbers with a one-to-one correspondence to the CHANNEL range that uniquely identifies the circuit endpoints within the trunk group. The GSX software maintains a list of available trunk member numbers for every trunk group. The size of the range must equal size of the CHANNEL range and each member of the range must be available.	N/A	N/A	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

```
This method modifies a CAS Service Channel Configuration on GSX.

Command:

CONFIGURE CAS CHANNEL SERVICE servicename ..
PORT port
CHANNEL chanrange
CIRCUITPROFILE circuitprofilename
DIRECTION direction
TRUNK MEMBER tmember
```

Output Parameters

GSX_MOD_CAS_CHANNEL_CONF_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_CAS_CHANNEL_CONF_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM.

A_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-CONF-RB

Rollback Modify CAS Channel configuration. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningCasChannel.modCASChannelConfRb.**

Table 2–79   A_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
OLD_CAS_CHAN_ SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
OLD_CAS_CHAN_ PORT	The automatically created (and possibly changed) name of the T1 or E1 span that is assigned to the CAS channels.	N/A	N/A	S	R
OLD_CAS_CHAN_ CHANRANGE	A set of channels. Must be one or more ranges of channels within the overall range 1-31.	N/A	N/A	S	R
OLD_CAS_CHAN_ CIRCUITPROFILE	The name of the Circuit Service Profile that you are applying to the designated channels.	N/A	N/A	S	O
OLD_CAS_CHAN_ DIRECTION	The direction of traffic allowed on the designated channel(s).	N/A	N/A	S	O
OLD_CAS_CHAN_ TMEMBER	A range of numbers with a one-to-one correspondence to the CHANNEL range that uniquely identifies the circuit endpoints within the trunk group. The GSX software maintains a list of available trunk member numbers for every trunk group. The size of the range must equal size of the CHANNEL range and each member of the range must be available.	N/A	N/A	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

This method rolls back an unsuccessful modification of a CAS Service Channel Configuration on GSX.

Command:

```
CONFIGURE CAS CHANNEL SERVICE servicename ..
PORT port
CHANNEL chanrange
CIRCUITPROFILE circuitprofilename
DIRECTION direction
TRUNK MEMBER tmember
TRUNK MEMBER UNSET
```

Output Parameters

GSX_MOD_CAS_CHANNEL_CONF_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_CAS_CHANNEL_CONF_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM.

A_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-MODE

Modify CAS Channel mode. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningCasChannel.modCASChannelMode.**

Table 2–80   A_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
CAS_CHAN_ SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
CAS_CHAN_PORT	The automatically created (and possibly changed) name of the T1 or E1 span that is assigned to the CAS channels.	N/A	N/A	S	R
CAS_CHAN_ CHANRANGE	A set of channels. Must be one or more ranges of channels within the overall range 1-31.	N/A	N/A	S	R
CAS_CHAN_MODE	The operational state of the designated channel(s).	N/A	N/A	S	O
CAS_CHAN_ACTION	The method by which active calls on the designated channels are processed when oper-state goes to outOfService from inservice.	N/A	N/A	S	O
CAS_CHAN_ TIMEOUT	The time (in minutes) to wait to place the channel in the outOfService oper-state. Must be 1-1440, default is 5.	N/A	N/A	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

```
This method modifies existing MODE of a CAS Service Channel on GSX.

Command:
 CONFIGURE CAS CHANNEL SERVICE servicename PORT portname CHANNEL channelname
 MODE oper-state ACTION action TIMEOUT timeout
```

Output Parameters

GSX_MOD_CAS_CAHNNEL_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_CAS_CAHNNEL_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-MODE-RB

Rollback Modify CAS Channel mode. It is implemented by the Java method
**com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningCasChannel.modCASChannelModeRb.**

Table 2–81   A_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-MODE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
OLD_CAS_CHAN_ SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
OLD_CAS_CHAN_ PORT	The automatically created (and possibly changed) name of the T1 or E1 span that is assigned to the CAS channels.	N/A	N/A	S	R
OLD_CAS_CHAN_ CHANRANGE	A set of channels. Must be one or more ranges of channels within the overall range 1-31.	N/A	N/A	S	R
OLD_CAS_CHAN_ MODE	The operational state of the designated channel(s).	N/A	N/A	S	O
OLD_CAS_CHAN_ ACTION	The method by which active calls on the designated channels are processed when oper-state goes to outOfService from inservice.	N/A	N/A	S	O
OLD_CAS_CHAN_ TIMEOUT	The time (in minutes) to wait to place the channel in the outOfService oper-state. Must be 1-1440, default is 5.	N/A	N/A	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

```
This method rollbacks an unsuccessful modification of an existing MODE of a CAS
Service Channel on GSX.
```

```
Command:
 CONFIGURE CAS CHANNEL SERVICE servicename PORT portname CHANNEL channelname
 MODE oper-state ACTION action TIMEOUT timeout
```

Output Parameters

GSX_MOD_CAS_CAHNNEL_MODE_RB_RETCODE as CSDL parameter to the
SARM table TBL_SRQ_PARM.

GSX_MOD_CAS_CAHNNEL_MODE_RB_RETCODE as INFO parameter to the
SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-STATE

Modify CAS Channel state. It is implemented by the Java method
**com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningCasChannel.modCASChannelState.**

Table 2–82   A_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
CAS_CHAN_ SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
CAS_CHAN_PORT	The automatically created (and possibly changed) name of the T1 or E1 span that is assigned to the CAS channels.	N/A	N/A	S	R
CAS_CHAN_ CHANRANGE	A set of channels. Must be one or more ranges of channels within the overall range 1-31.	N/A	N/A	S	R
CAS_CHAN_STATE	The administrative state of the module in the CAS Channel. Values: disabled or enabled.	N/A	N/A	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

This method modifies administrative state of a CAS Service Channel on GSX.

```
Command:
 CONFIGURE CAS CHANNEL SERVICE servicename PORT portname CHANNEL channelname STATE
admin-state
```

Output Parameters

GSX_MOD_CAS_CHANNEL_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_CAS_CHANNEL_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-STATE-RB

Rollback modify CAS Channel state. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningCasChannel.modCASChannelStateRb.**

Table 2–83   A_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-STATE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
OLD_CAS_CHAN_ SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
OLD_CAS_CHAN_ PORT	The automatically created (and possibly changed) name of the T1 or E1 span that is assigned to the CAS channels.	N/A	N/A	S	R

Table 2–83   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-STATE-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_CAS_CHAN_ CHANRANGE	A set of channels. Must be one or more ranges of channels within the overall range 1-31.	N/A	N/A	S	R
OLD_CAS_CHAN_ STATE	The administrative state of the module in the CAS Channel. Values: disabled or enabled.	N/A	N/A	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

This method rollbacks an unsuccessful modification of administrative state of a CAS Service Channel on GSX.

```
Command:
 CONFIGURE CAS CHANNEL SERVICE servicename PORT portname CHANNEL channelname STATE
admin-state
```

Output Parameters

GSX_MOD_CAS_CHANNEL_STATE_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_CAS_CHANNEL_STATE_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-CONF

Modify CAS service Configuration. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningCasService.modCASServiceConf.**

Table 2–84   A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
CAS_SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
CAS_TRUNKGROUP	The name of the trunk group of which this CAS service is a member.	N/A	N/A	S	O
CAS_HUNT	The hunt algorithm used to select channels for calls made to or from this service group.	N/A	N/A	S	O
CAS_COST	The (relative) routing cost to the CAS service group. Must be 0-100, default is 50. A value of 100 represents the highest possible cost.	N/A	N/A	S	O
CAS_SIGNALTYPE	The CAS signaling type in use throughout the service.	N/A	N/A	S	O

Table 2–84   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
CAS_INGRESS_SSP	Name of the signaling sequence profile to use for all ingress calls.	N/A	N/A	S	O
CAS_EGRESS_SSP	Name of the signaling sequence profile to use for all egress calls.	N/A	N/A	S	O
CAS_HOOKFLASH_ SSP	Name of the signaling sequence profile to execute whenever a hook flash is detected on an egress CAS channel in a connected call. This SSP is not meaningful for SIGNALTYPEs lsFxs, gsFxs, and mfcr2.	N/A	N/A	S	O
CAS_PSC_SSP	Name of the signaling sequence profile to execute for a permanent signal condition (PSC). PSC occurs when the GSX has gone on-hook at the end of its call but the far end remains off-hook. After disconnect treatment processing completes for this call, this SSP will be executed.	N/A	N/A	S	O
CAS_MAINTBUSY	Specifies whether the (T1 or E1) channels are taken off-hook when they are put into maintenance mode (either manually or automatically).	N/A	N/A	S	O
CAS_DTMFPROFILE	Name of the DTMF tone profile. This profile defines parameters specific to DTMF tone generation. The defaultDtmf profile is used by default for this function.	N/A	N/A	S	O
CAS_MFPROFILE	Name of the MF tone profile. This profile defines parameters specific to MF tone generation. The defaultMfr1 profile is used by default for this function.	N/A	N/A	S	O
CAS_CPTONEPKG	Name of the call progress tone package. This profile defines ring back tones, dial tones, etc. The default profile is used by default for this function.	N/A	N/A	S	O
CAS_CPTONEREQ	Specifies whether call progress tones are required on ingress calls.	N/A	N/A	S	O
CAS_CPTONEPROV	Specifies whether call progress tones are provided by the far end switch on egress calls.	N/A	N/A	S	O
CAS_RXWINKMIN	The minimum wink receive time. Must be 100-800, default is 100 (milliseconds).	N/A	N/A	S	O
CAS_RXWINKMAX	The maximum wink receive time. Must be 100-800, default is 700 (milliseconds).	N/A	N/A	S	O
CAS_RXFLASHMIN	The minimum flash receive time. Must be 300-1100, default is 300 (milliseconds).	N/A	N/A	S	O
CAS_RXFLASHMAX	The maximum flash receive time. Must be 300-1100, default is 700 (milliseconds). This parameter does not apply to loop start / ground start FXS.	N/A	N/A	S	O

Table 2–84   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
CAS_TXWINK	The wink transmit time. Must be 100-800, default is 200 (milliseconds).	N/A	N/A	S	O
CAS_TXFLASH	The flash transmit time. Must be 300-1100, default is 500 (milliseconds). This parameter is not meaningful for SIGNALTYPEs lsFxo and gsFxo.	N/A	N/A	S	O
CAS_GUARDTIME	The minimum time to allow the on-hook to propagate through the network when the call is terminated at the GSX. This interval allows the far end time to reuse the channel. The GSX will not reuse this channel until this interval expires. Must be 100-1500, default is 800 (milliseconds).	N/A	N/A	S	O
CAS_ AUTOBUSYTHRESHOLD	The number of signaling errors which are allowed prior to placing the channel into auto maintenance state. Once in this state the channel must be returned to service from the CLI. Must be 0-255, default is 0. Setting this field to 0 disables auto maintenance processing.	N/A	N/A	S	O
CAS_DTPROFILE	The name of the CAS Disconnect Treatment Profile that will be used to map a disconnect reason code to a Disconnect Signaling Sequence Profile (SSP) for this service group.	N/A	N/A	S	O
CAS_SUSPENDTIME	The timeout value in milliseconds before a call in which the called party disconnected first is terminated.	N/A	N/A	S	O
CAS_SWITCHSIDE	The switch side the CAS Service Group should emulate.	N/A	N/A	S	O
CAS_SIGVARIANT	The signaling variant that the CAS service group should emulate.	N/A	N/A	S	O
CAS_ BNUMENDDIGIT	BNUM End of Digits. Specifies whether the BNUM (or called party number/DNIS) should be terminated with the end of digits signal when dialed from the GSX.	N/A	N/A	S	O
CAS_MFCR2PROFILE	The name of the DSP Digit Profile used for MFCR2 digit reception and generation. This profile is meaningful only when SIGNALTYPE is mfcr2.	N/A	N/A	S	O
CAS_ CLRTOIDLETIME	Specifies the time, in milliseconds, that must elapse after a clear forward is received in order for a channel to be considered idle. This timer runs in parallel with the existing (and configurable) guard timer.	N/A	N/A	S	O
CAS_E1CBIT	Specifies the value of the forward/backward line signaling Cbit on E1 channels. This parameter is meaningful only when SIGNALTYPE is mfcr2.	N/A	N/A	S	O

Table 2–84   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
CAS_E1DBIT	Specifies the value of the forward/backward line signaling Dbit on E1 channels. This parameter is meaningful only when SIGNALTYPE is mfcr2.	N/A	N/A	S	O
CAS_MGCPACKAGE	The package used to control a particular CAS service for MGCP.	N/A	N/A	S	O
CAS_ANSUPVTO	When answer supervision is enabled, specifies the timeout period, in seconds, from the egress receiving the first backwards message from the called party exchange (Call Proceeding, Alerting, Call Progress) until the call is answered. If the timeout period expires, the answer supervision action specified is triggered.	N/A	N/A	S	O
CAS_ LSGSANSWERSUPV	Specifies whether line side answer supervision is supported.	N/A	N/A	S	O
CAS_RXSEIZERING	Specifies the time interval, in milliseconds, that a seizure signal must be received in order to be considered a seizure/ ring.	N/A	N/A	S	O
CAS_RXFXSANSWER	Specifies the time interval, in milliseconds, that the RLCF signal must be received in order to be considered an answer. This parameter is only meaningful for SIGNALTYPEs lsFxs and gsFxs.	N/A	N/A	S	O
CAS_RXFXSDISC	Specifies the time interval, in milliseconds, that the LCFO signal must be received in order to be considered a disconnect. This parameter is meaningful only for SIGNALTYPEs lsFxS and gsFxs.	N/A	N/A	S	O
CAS_ RXLSFXSRINGCESS	Specifies the time interval, in milliseconds, that the lack of a Ring signal must be detected in order to be considered an abandoned call. This parameter is meaningful only for SIGNALTYPE lsFxs.	N/A	N/A	S	O
CAS_TXLSFXODISC	Specifies the time interval, in milliseconds, that the LCFO signal must be transmitted by the foreign exchange office (FXO) side in order to release a call. When you specify a value of 0, the LCFO signal is disabled. This parameter is meaningful only for SIGNALTYPE lsFxo.	N/A	N/A	S	O
CAS_TXFXORINGON	Specifies the time interval, in milliseconds, that the Ring on signal must be transmitted by the FXO side. This parameter is meaningful only for SIGNALTYPEs lsFxo and gsFxo.	N/A	N/A	S	O

Table 2–84   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
CAS_TXFXORINGOFF	Specifies the time interval, in milliseconds, that the Ring off signal must be transmitted by the FXO side. This parameter is meaningful only for SIGNALTYPEs lsFxo and gsFxo.	N/A	N/A	S	O
CAS_CBPROFNO	The index number of the CRANKBACK PROFILE to use with this CAS service group.	N/A	N/A	S	O
CAS_ANUMLENGTH	For R2, specifies the length of a transmitted calling party number. A value of 0 implies variable length terminated by an end of digits signal. Otherwise, the value specifies the fixed length of the calling party number.	N/A	N/A	S	O
CAS_TXR2ENDDIGIT	For R2, specifies the transmit end of the digits signal.	N/A	N/A	S	O
CAS_RXR2SEIZE	For R2, specifies the duration (in milliseconds) that a seize signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_RXR2SEIZEACK	For R2, specifies the duration (in milliseconds) that a seize ACK signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_RXR2ANSWER	For R2, specifies the duration (in milliseconds) that an answer signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_RXR2CLEARBACK	For R2, specifies the duration (in milliseconds) that a clear back signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_RXR2CLEARFWD	For R2, specifies the duration (in milliseconds) that a clear forward signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_RXR2IDLEBACK	For R2, specifies the duration (in milliseconds) that an idle back signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_RXR2BLOCK	For R2, specifies the duration (in milliseconds) that a block signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_CGRTIMEOUT	The time (in seconds) to wait to release a call when that call was rejected due to congestion. This parameter effectively prevents the machine congestion level from escalating due to rapid repeated call attempts by equipment that does not support congestion detection.	N/A	N/A	S	O
CAS_OPER-STATE	The operational state of the CAS service.	N/A	N/A	S	O

Table 2–84   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
CAS_ACTION	The method by which calls on the channels using this CAS service are processed when oper-state goes to outOfService.	N/A	N/A	S	O
CAS_TIMEOUT	The time (in minutes) to wait to place the CAS channels in the outOfService oper-state.	N/A	N/A	S	O
CAS_GROUP	An operation to be applied to the underlying CAS service group.	N/A	N/A	S	O
CAS_STATE	The administrative state of this CAS service group.	N/A	N/A	S	O
CAS_SKIP_CB_PROF	The index number of the SKIP CRANKBACK PROFILE to use with this CAS service group. This must specify a valid Skip Crankback profile index	N/A	N/A	S	O
CAS_LDC_ACTION	Specifies the action to take if the Long Duration Call (LDC) timer expires. The call may be released, a SNMP trap may be generated, or both	N/A	N/A	S	O
CAS_LDC_EMERGENCY_CALLS	Specifies whether emergency calls should be excluded from, or included in Long Duration Call (LDC) disconnect procedures	N/A	N/A	S	O
CAS_LDC_RELEASE_CAUSE	Specifies the GSX disconnect reason used to release the call if the call is released due to Long Duration Call (LDC) timer expiry	N/A	N/A	S	O
CAS_LDC_TIMEOUT	Specifies the timeout value of the Long Duration Call (LDC) timer in minutes.	N/A	N/A	S	O
CAS_TXOSI	For Visual Message Waiting Indicator, specifies the length (in milliseconds) that the Open Switching Interval (OSI) signal is sent	N/A	N/A	S	O
CAS_CALLWAITING_CALLERID_SSP	Specifies a CAS Signaling Sequence Profile (SSP) to execute for call waiting caller ID.	N/A	N/A	S	O

MML commands

MML Syntax :

This method modifies CAS Service Configuration on GSX.

Command:

```
CONFIGURE CAS SERVICE servicename PROFILENAME profilename
TRUNKGROUP tgname
HUNT hunt
COST cost
SIGNALTYPE signaltype
INGRESS_SSP ingrsspname
```

```
EGRESS_SSP egrsspname
HOOKFLASH_SSP hkfsspname
PSC_SSP pscsspname
MAINTBUSY maintbusy
DTMFPROFILE dtmfprofile
MFPROFILE mfprofile
CPTONEPKG cptonepkg
CPTONEREQ cptonereq
CPTONEPROV cptoneprov
RXWINKMIN rxwinkmin
RXWINKMAX rxwinkmax
RXFLASHMIN rxflashmin
RXFLASHMAX rxflashmax
TXWINK txwink
TXFLASH txflash
GUARDTIME guardtime
AUTOBUSYTHRESHOLD autobusy
DTPROFILE dtprofile
SUSPENDTIME suspendtime
SWITCHSIDE switchside
SIGVARIANT sigvariant
BNUMENDDIGIT bnumenddigit
MFCR2PROFILE mfcr2profile
CLRTOIDLETIME clrtoidletime
E1CBIT e1cbit
E1DBIT e1dbit
MGCPACKAGE mgcpackage
ANSWER SUPERVISION TIMEOUT ansupvto
LSGSANSWERSUPV lsgsanswersupv
RXSEIZERING rxseizering
RXFXSANSWER rxfxsanswer
RXFXSDISC rxfxsdisc
RXLSFXSRINGCESS rxlsfxsringcess
TXLSFXODISC txlsfxodisc
TXFXORINGON txfxoringon
TXFXORINGOFF txfxoringoff
CRANKBACK PROFILE cbprofno
SKIP CRANKBACK PROFILE skipcbprofile
ANUMLENGTH anumlength
TXR2ENDDIGIT txr2enddigit
RXR2SEIZE rxr2seize
RXR2SEIZEACK rxr2seizeack
RXR2ANSWER rxr2answer
RXR2CLEARBACK rxr2clearback
RXR2CLEARFWD rxr2clearfwd
RXR2IDLEBACK rxr2idleback
RXR2BLOCK rxr2block
CONGESTION RELEASE TIMER cgrtimeout
LDC ACTION ldcaction
LDC EMERGENCY CALLS ldcemergcalls
LDC RELEASE CAUSE ldcrelcause
LDC TIMEOUT ldctimeout
CALLWAITING CALLERID SSP calleridssp
TXOSI txosi
```

Output Parameters

GSX_MOD_CAS_SERVICE_CONF_RETCODE as CSDL parameter to the SARM table
TBL_SRQ_PARM.

GSX_MOD_CAS_SERVICE_CONF_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM.

A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-CONF-RB

Rollback Modify CAS configuration. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningCasService.modCASServiceConfRb.**

Table 2–85   A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
OLD_CAS_SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
OLD_CAS_TRUNKGROUP	The name of the trunk group of which this CAS service is a member.	N/A	N/A	S	O
OLD_CAS_HUNT	The hunt algorithm used to select channels for calls made to or from this service group.	N/A	N/A	S	O
OLD_CAS_COST	The (relative) routing cost to the CAS service group. Must be 0-100, default is 50. A value of 100 represents the highest possible cost.	N/A	N/A	S	O
OLD_CAS_SIGNALTYPE	The CAS signaling type in use throughout the service.	N/A	N/A	S	O
OLD_CAS_INGRESS_SSP	Name of the signaling sequence profile to use for all ingress calls.	N/A	N/A	S	O
OLD_CAS_EGRESS_SSP	Name of the signaling sequence profile to use for all egress calls.	N/A	N/A	S	O
OLD_CAS_HOOKFLASH_SSP	Name of the signaling sequence profile to execute whenever a hook flash is detected on an egress CAS channel in a connected call. This SSP is not meaningful for SIGNALTYPEs lsFxs, gsFxs, and mfcr2.	N/A	N/A	S	O
OLD_CAS_PSC_SSP	Name of the signaling sequence profile to execute for a permanent signal condition (PSC). PSC occurs when the GSX has gone on-hook at the end of its call but the far end remains off-hook. After disconnect treatment processing completes for this call, this SSP will be executed.	N/A	N/A	S	O
OLD_CAS_MAINTBUSY	Specifies whether the (T1 or E1) channels are taken off-hook when they are put into maintenance mode (either manually or automatically).	N/A	N/A	S	O
OLD_CAS_DTMFPROFILE	Name of the DTMF tone profile. This profile defines parameters specific to DTMF tone generation. The defaultDtmf profile is used by default for this function.	N/A	N/A	S	O

Table 2–85   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_CAS_ MFPROFILE	Name of the MF tone profile. This profile defines parameters specific to MF tone generation. The defaultMfr1 profile is used by default for this function.	N/A	N/A	S	O
OLD_CAS_ CPTONEPKG	Name of the call progress tone package. This profile defines ring back tones, dial tones, etc. The default profile is used by default for this function.	N/A	N/A	S	O
OLD_CAS_ CPTONEREQ	Specifies whether call progress tones are required on ingress calls.	N/A	N/A	S	O
OLD_CAS_ CPTONEPROV	Specifies whether call progress tones are provided by the far end switch on egress calls.	N/A	N/A	S	O
OLD_CAS_ RXWINKMIN	The minimum wink receive time. Must be 100-800, default is 100 (milliseconds).	N/A	N/A	S	O
OLD_CAS_ RXWINKMAX	The maximum wink receive time. Must be 100-800, default is 700 (milliseconds).	N/A	N/A	S	O
OLD_CAS_ RXFLASHMIN	The minimum flash receive time. Must be 300-1100, default is 300 (milliseconds).	N/A	N/A	S	O
OLD_CAS_ RXFLASHMAX	The maximum flash receive time. Must be 300-1100, default is 700 (milliseconds). This parameter does not apply to loop start / ground start FXS.	N/A	N/A	S	O
OLD_CAS_TXWINK	The wink transmit time. Must be 100-800, default is 200 (milliseconds).	N/A	N/A	S	O
OLD_CAS_TXFLASH	The flash transmit time. Must be 300-1100, default is 500 (milliseconds). This parameter is not meaningful for SIGNALTYPEs lsFxo and gsFxo.	N/A	N/A	S	O
OLD_CAS_ GUARDTIME	The minimum time to allow the on-hook to propagate through the network when the call is terminated at the GSX. This interval allows the far end time to reuse the channel. The GSX will not reuse this channel until this interval expires. Must be 100-1500, default is 800 (milliseconds).	N/A	N/A	S	O
OLD_CAS_ AUTOBUSYTHRESHO LD	The number of signaling errors which are allowed prior to placing the channel into auto maintenance state. Once in this state the channel must be returned to service from the CLI. Must be 0-255, default is 0. Setting this field to 0 disables auto maintenance processing.	N/A	N/A	S	O
OLD_CAS_ DTPROFILE	The name of the CAS Disconnect Treatment Profile that will be used to map a disconnect reason code to a Disconnect Signaling Sequence Profile (SSP) for this service group.	N/A	N/A	S	O

Table 2–85   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_CAS_SUSPENDTIME	The timeout value in milliseconds before a call in which the called party disconnected first is terminated.	N/A	N/A	S	O
OLD_CAS_SWITCHSIDE	The switch side the CAS Service Group should emulate.	N/A	N/A	S	O
OLD_CAS_SIGVARIANT	The signaling variant that the CAS service group should emulate.	N/A	N/A	S	O
OLD_CAS_BNUMENDDIGIT	BNUM End of Digits. Specifies whether the BNUM (or called party number/DNIS) should be terminated with the end of digits signal when dialed from the GSX.	N/A	N/A	S	O
OLD_CAS_MFCR2PROFILE	The name of the DSP Digit Profile used for MFCR2 digit reception and generation. This profile is meaningful only when SIGNALTYPE is mfcr2.	N/A	N/A	S	O
OLD_CAS_CLRTOIDLETIME	Specifies the time, in milliseconds, that must elapse after a clear forward is received in order for a channel to be considered idle. This timer runs in parallel with the existing (and configurable) guard timer.	N/A	N/A	S	O
OLD_CAS_E1CBIT	Specifies the value of the forward/backward line signaling Cbit on E1 channels. This parameter is meaningful only when SIGNALTYPE is mfcr2.	N/A	N/A	S	O
OLD_CAS_E1DBIT	Specifies the value of the forward/backward line signaling Dbit on E1 channels. This parameter is meaningful only when SIGNALTYPE is mfcr2.	N/A	N/A	S	O
OLD_CAS_MGCPACKAGE	The package used to control a particular CAS service for MGCP.	N/A	N/A	S	O
OLD_CAS_ANSUPVTO	When answer supervision is enabled, specifies the timeout period, in seconds, from the egress receiving the first backwards message from the called party exchange (Call Proceeding, Alerting, Call Progress) until the call is answered. If the timeout period expires, the answer supervision action specified is triggered.	N/A	N/A	S	O
OLD_CAS_LSGSANSWERSUPV	Specifies whether line side answer supervision is supported.	N/A	N/A	S	O
OLD_CAS_RXSEIZERING	Specifies the time interval, in milliseconds, that a seizure signal must be received in order to be considered a seizure/ ring.	N/A	N/A	S	O

Table 2–85   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_CAS_ RXFXSANSWER	Specifies the time interval, in milliseconds, that the RLCF signal must be received in order to be considered an answer. This parameter is only meaningful for SIGNALTYPEs lsFxs and gsFxs.	N/A	N/A	S	O
OLD_CAS_ RXFXSDISC	Specifies the time interval, in milliseconds, that the LCFO signal must be received in order to be considered a disconnect. This parameter is meaningful only for SIGNALTYPEs lsFxS and gsFxs.	N/A	N/A	S	O
OLD_CAS_ RXLSFXSRINGCESS	Specifies the time interval, in milliseconds, that the lack of a Ring signal must be detected in order to be considered an abandoned call. This parameter is meaningful only for SIGNALTYPE lsFxs.	N/A	N/A	S	O
OLD_CAS_ TXLSFXODISC	Specifies the time interval, in milliseconds, that the LCFO signal must be transmitted by the foreign exchange office (FXO) side in order to release a call. When you specify a value of 0, the LCFO signal is disabled. This parameter is meaningful only for SIGNALTYPE lsFxo.	N/A	N/A	S	O
OLD_CAS_ TXFXORINGON	Specifies the time interval, in milliseconds, that the Ring on signal must be transmitted by the FXO side. This parameter is meaningful only for SIGNALTYPEs lsFxo and gsFxo.	N/A	N/A	S	O
OLD_CAS_ TXFXORINGOFF	Specifies the time interval, in milliseconds, that the Ring off signal must be transmitted by the FXO side. This parameter is meaningful only for SIGNALTYPEs lsFxo and gsFxo.	N/A	N/A	S	O
OLD_CAS_ CBPROFNO	The index number of the CRANKBACK PROFILE to use with this CAS service group.	N/A	N/A	S	O
OLD_CAS_ ANUMLENGTH	For R2, specifies the length of a transmitted calling party number. A value of 0 implies variable length terminated by an end of digits signal. Otherwise, the value specifies the fixed length of the calling party number.	N/A	N/A	S	O
OLD_CAS_ TXR2ENDDIGIT	For R2, specifies the transmit end of the digits signal.	N/A	N/A	S	O
OLD_CAS_RXR2SEIZE	For R2, specifies the duration (in milliseconds) that a seize signal must be present before it is considered a valid signal.	N/A	N/A	S	O
OLD_CAS_ RXR2SEIZEACK	For R2, specifies the duration (in milliseconds) that a seize ACK signal must be present before it is considered a valid signal.	N/A	N/A	S	O

Table 2–85   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_CAS_ RXR2ANSWER	For R2, specifies the duration (in milliseconds) that an answer signal must be present before it is considered a valid signal.	N/A	N/A	S	O
OLD_CAS_ RXR2CLEARBACK	For R2, specifies the duration (in milliseconds) that a clear back signal must be present before it is considered a valid signal.	N/A	N/A	S	O
OLD_CAS_ RXR2CLEARFWD	For R2, specifies the duration (in milliseconds) that a clear forward signal must be present before it is considered a valid signal.	N/A	N/A	S	O
OLD_CAS_ RXR2IDLEBACK	For R2, specifies the duration (in milliseconds) that an idle back signal must be present before it is considered a valid signal.	N/A	N/A	S	O
OLD_CAS_ RXR2BLOCK	For R2, specifies the duration (in milliseconds) that a block signal must be present before it is considered a valid signal.	N/A	N/A	S	O
OLD_CAS_ CGRTIMEOUT	The time (in seconds) to wait to release a call when that call was rejected due to congestion. This parameter effectively prevents the machine congestion level from escalating due to rapid repeated call attempts by equipment that does not support congestion detection.	N/A	N/A	S	O
OLD_CAS_MODE	The operational state of the CAS service.	N/A	N/A	S	O
OLD_CAS_ACTION	The method by which calls on the channels using this CAS service are processed when oper-state goes to outOfService.	N/A	N/A	S	O
OLD_CAS_TIMEOUT	The time (in minutes) to wait to place the CAS channels in the outOfService oper-state.	N/A	N/A	S	O
OLD_CAS_GROUP	An operation to be applied to the underlying CAS service group.	N/A	N/A	S	O
OLD_CAS_STATE	The administrative state of this CAS service group.	N/A	N/A	S	O
OLD_CAS_SKIP_CB_ PROF	The index number of the SKIP CRANKBACK PROFILE to use with this CAS service group. This must specify a valid Skip Crankback profile index	N/A	N/A	S	O
OLD_CAS_LDC_ ACTION	Specifies the action to take if the Long Duration Call (LDC) timer expires. The call may be released, a SNMP trap may be generated, or both	N/A	N/A	S	O
OLD_CAS_LDC_ EMERGENCY_CALLS	Specifies whether emergency calls should be excluded from, or included in Long Duration Call (LDC) disconnect procedures	N/A	N/A	S	O

Table 2–85   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_CAS_LDC_ RELEASE_CAUSE	Specifies the GSX disconnect reason used to release the call if the call is released due to Long Duration Call (LDC) timer expiry	N/A	N/A	S	O
OLD_CAS_LDC_ TIMEOUT	Specifies the timeout value of the Long Duration Call (LDC) timer in minutes.	N/A	N/A	S	O
OLD_CAS_TXOSI	For Visual Message Waiting Indicator, specifies the length (in milliseconds) that the Open Switching Interval (OSI) signal is sent	N/A	N/A	S	O
OLD_CAS_ CALLWAITING_ CALLERID_SSP	Specifies a CAS Signaling Sequence Profile (SSP) to execute for call waiting caller ID.	N/A	N/A	S	O

MML commands

MML Syntax :

```
This method rolls back an unsuccessful modification of a CAS Service Configuration
on GSX.
```

```
Command:
```

```
 CONFIGURE CAS SERVICE servicename PROFILENAME profilename
 TRUNKGROUP tgname
 HUNT hunt
 COST cost
 SIGNALTYPE signaltype
 INGRESS_SSP ingrsspname
 EGRESS_SSP egrsspname
 HOOKFLASH_SSP hkfsspname
 PSC_SSP pscsspname
 MAINTBUSY maintbusy
 DTMFPROFILE dtmfprofile
 MFPROFILE mfprofile
 CPTONEPKG cptonepkg
 CPTONEREQ cptonereq
 CPTONEPROV cptoneprov
 RXWINKMIN rxwinkmin
 RXWINKMAX rxwinkmax
 RXFLASHMIN rxflashmin
 RXFLASHMAX rxflashmax
 TXWINK txwink
 TXFLASH txflash
 GUARDTIME guardtime
 AUTOBUSYTHRESHOLD autobusy
 DTPROFILE dtprofile
 SUSPENDTIME suspendtime
 SWITCHSIDE switchside
 SIGVARIANT sigvariant
 BNUMENDDIGIT bnumenddigit
 MFCR2PROFILE mfcr2profile
 CLRTOIDLETIME clrtoidletime
 E1CBIT e1cbit
```

```
E1DBIT e1dbit
MGCPACKAGE mgcpackage
ANSWER SUPERVISION TIMEOUT ansupvto
LSGSANSWERSUPV lsgsanswersupv
RXSEIZERING rxseizering
RXFXSANSWER rxfxsanswer
RXFXSDISC rxfxsdisc
RXLSFXSRINGCESS rxlsfxsringcess
TXLSFXODISC txlsfxodisc
TXFXORINGON txfxoringon
TXFXORINGOFF txfxoringoff
CRANKBACK PROFILE cbprofno
SKIP CRANKBACK PROFILE skipcbprofile
ANUMLENGTH anumlength
TXR2ENDDIGIT txr2enddigit
RXR2SEIZE rxr2seize
RXR2SEIZEACK rxr2seizeack
RXR2ANSWER rxr2answer
RXR2CLEARBACK rxr2clearback
RXR2CLEARFWD rxr2clearfwd
RXR2IDLEBACK rxr2idleback
RXR2BLOCK rxr2block
CONGESTION RELEASE TIMER cgrtimeout
LDC ACTION ldcaction
LDC EMERGENCY CALLS ldcemergcalls
LDC RELEASE CAUSE ldcrelcause
LDC TIMEOUT ldctimeout
CALLWAITING CALLERID SSP calleridssp
TXOSI txosi
```

Output Parameters

GSX_MOD_CAS_SERVICE_CONF_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_CAS_SERVICE_CONF_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM.

A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-MODE

Modify CAS service mode. It is implemented by the Java method
**com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningCasService.modCASServiceMode.**

Table 2–86   A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
CAS_SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
CAS_ACTION	The method by which calls on the channels using this CAS service are processed when oper-state goes to outOfService.	N/A	N/A	S	O

Table 2–86   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-MODE

Parameter Name	Description	Range	Default Value	Type	Class
CAS_TIMEOUT	The time (in minutes) to wait to place the CAS channels in the outOfService oper-state. Must be 1-1440.	N/A	N/A	S	O
CAS_MODE	The operational state of the CAS service.	N/A	N/A	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

```
This method modifies MODE of a CAS Service on GSX.

Command:
 CONFIGURE CAS SERVICE servicename
 MODE oper-state ACTION action TIMEOUT timeout
```

Output Parameters

GSX_MOD_CAS_SERVICE_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_CAS_SERVICE_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-MODE-RB

Rollback Modify CAS mode. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningCasService.modCASServiceModeRb.**

Table 2–87   A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-MODE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
OLD_CAS_ SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
OLD_CAS_ACTION	The method by which calls on the channels using this CAS service are processed when oper-state goes to outOfService.	N/A	N/A	S	O
OLD_CAS_TIMEOUT	The time (in minutes) to wait to place the CAS channels in the outOfService oper-state. Must be 1-1440.	N/A	N/A	S	O
OLD_CAS_MODE	The operational state of the CAS service.	N/A	N/A	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

This method rollbacks an unsuccessful modification of an existing MODE of a CAS
Service on GSX.

```
Command:
 CONFIGURE CAS SERVICE servicename
 MODE oper-state ACTION action TIMEOUT timeout
```

Output Parameters

GSX_MOD_CAS_SERVICE_MODE_RB_RETCODE as CSDL parameter to the SARM
table TBL_SRQ_PARM.

GSX_MOD_CAS_SERVICE_MODE_RB_RETCODE as INFO parameter to the SARM
table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-STATE

Modify CAS Service state. It is implemented by the Java method
com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningCasService.modCASServiceState.

Table 2–88   A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
CAS_SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
CAS_STATE	Administrative state of CAS Service.	N/A	N/A	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

This method modifies administrative state of a CAS Service on GSX.

```
Command:
 CONFIGURE CAS SERVICE servicename STATE admin-state
```

Output Parameters

GSX_MOD_CAS_SERVICE_STATE_RETCODE as CSDL parameter to the SARM table
TBL_SRQ_PARM.

GSX_MOD_CAS_SERVICE_STATE_RETCODE as INFO parameter to the SARM table
TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-STATE-RB

Rollback modify CAS state. It is implemented by the Java method
com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningCasService.modCASServiceStateRb.

Table 2–89   A_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-STATE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
OLD_CAS_SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
OLD_CAS_STATE	Administrative state of CAS Service.	N/A	N/A	S	O
RETURN_DATA_PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

This method rollbacks an unsucessful modification of administrative state of a CAS Service on GSX.

```
Command:
 CONFIGURE CAS SERVICE servicename STATE admin-state
```

Output Parameters

GSX_MOD_CAS_SERVICE_STATE_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_CAS_SERVICE_STATE_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL

Modifies a configuration for ISDN B-channel(s). It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.modISDNBChannel.**

Table 2–90   A_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
INTERFACE	The number of the ISDN Interface that contains the designated B-channels. Must be 0-20.	N/A	N/A	S	R
BCHANNEL	A single B-channel number or a set of B-channels. Must be one or more ranges of Bchannels within the overall range 1-23.	N/A	N/A	S	R

Table 2–90   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL

Parameter Name	Description	Range	Default Value	Type	Class
CIRCUITPROFILENA ME	The name of the Circuit Service Profile that you are applying to the designated B-channels.	N/A	N/A	S	O
BCHANNEL_ DIRECTION	The direction of traffic allowed on the designated Bchannel(s): twoWay (accept all calls), oneWayIn (accept only inbound calls), oneWayOut (accept only outbound calls).	N/A	N/A	S	O
BCHANNEL_TRUNK_ MEMBER	A number that uniquely identifies this circuit endpoint within the trunk group. The GSX software maintains a list of available trunk member numbers for every trunk group. The trunk member number that is assigned to the BCHANNEL number must be available. Must be 0-65535.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN BCHANNEL SERVICE servicename ..
INTERFACE interface
BCHANNEL bchannel
CIRCUITPROFILENAME circuitprofilename
DIRECTION direction
TRUNK MEMBER tmember-no
TRUNK MEMBER UNSET
```

Output Parameters

GSX_MOD_ISDN_BCHANNEL_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISDN_BCHANNEL_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL-MODE

Modifies the operational state to inservice or outofservice. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.modISDNBChannelMode.**

Table 2–91   A_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
INTERFACE	The number of the ISDN Interface that contains the designated B-channels. Must be 0-20.	N/A	N/A	S	R

Table 2–91   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL-MODE

Parameter Name	Description	Range	Default Value	Type	Class
BCHANNEL	A single B-channel number or a set of B-channels. Must be one or more ranges of Bchannels within the overall range 1-23.	N/A	N/A	S	R
BCHANNEL_MODE	The operational state of the server module in the GSX chassis: inservice (active), outofservice (not active, able to put into disabled administrative state), maintenance (out of service, maintenance).	N/A	N/A	S	O
BCHANNEL_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
BCHANNEL_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN BCHANNEL SERVICE servicename ..
INTERFACE interface
BCHANNEL bchannelrange or  bchannel
MODE oper-state
ACTION action
TIMEOUT timeout
```

Output Parameters

GSX_MOD_ISDN_BCHANNEL_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM

GSX_MOD_ISDN_BCHANNEL_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL-MODE-RB

Rolls back the modification of the operational state. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.modISDNBChannelModeRb.**

Table 2–92   A_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL-MODE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
INTERFACE	The number of the ISDN Interface that contains the designated B-channels. Must be 0-20.	N/A	N/A	S	R
BCHANNEL	A single B-channel number or a set of B-channels. Must be one or more ranges of Bchannels within the overall range 1-23.	N/A	N/A	S	R
OLD_BCHANNEL_ MODE	The previous operational state of the server module in the GSX chassis: inservice (active), outofservice (not active, able to put into disabled administrative state), maintenance (out of service, maintenance).	N/A	N/A	S	O
OLD_BCHANNEL_ ACTION	The previous method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
OLD_BCHANNEL_ TIMEOUT	The previous time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN BCHANNEL SERVICE servicename ..
INTERFACE interface
BCHANNEL bchannelrange or  bchannel
MODE oper-state
ACTION action
TIMEOUT timeout
```

Output Parameters

GSX_MOD_ISDN_BCHANNEL_MODE_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM

GSX_MOD_ISDN_BCHANNEL_MODE_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM.

A_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL-RB

Rolls back the modification to a configuration for ISDN B-channel(s). It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningISDN.modISDNBChannelRb.**

Table 2–93   A_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
INTERFACE	The previous number of the ISDN Interface that contains the designated B-channels. Must be 0-20.	N/A	N/A	S	R
BCHANNEL	The previous single B-channel number or a set of B-channels. Must be one or more ranges of Bchannels within the overall range 1-23.	N/A	N/A	S	R
OLD_CIRCUITPROFILENAME	The previous name of the Circuit Service Profile that you are applying to the designated B-channels.	N/A	N/A	S	O
OLD_BCHANNEL_DIRECTION	The previous direction of traffic allowed on the designated Bchannel(s): twoWay (accept all calls), oneWayIn (accept only inbound calls), oneWayOut (accept only outbound calls).	N/A	N/A	S	O
OLD_BCHANNEL_TRUNK_MEMBER	The previous number that uniquely identifies this circuit endpoint within the trunk group. The GSX software maintains a list of available trunk member numbers for every trunk group. The trunk member number that is assigned to the BCHANNEL number must be available. Must be 0-65535.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN BCHANNEL SERVICE servicename ..
INTERFACE interface
BCHANNEL bchannel
CIRCUITPROFILENAME circuitprofilename
DIRECTION direction
TRUNK MEMBER tmember-no
TRUNK MEMBER UNSET
```

Output Parameters

GSX_MOD_ISDN_BCHANNEL_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM

GSX_MOD_ISDN_BCHANNEL_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL-STATE

Modifies the administrative state to enabled or disabled. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.modISDNBChannelState.**

Table 2–94   A_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
INTERFACE	The number of the ISDN Interface that contains the designated B-channels. Must be 0-20.	N/A	N/A	S	R
BCHANNEL	A single B-channel number or a set of B-channels. Must be one or more ranges of Bchannels within the overall range 1-23.	N/A	N/A	S	R
BCHANNEL_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE ISDN BCHANNEL SERVICE servicename ..
INTERFACE interface
BCHANNEL bchannel or bchannelrange
STATE admin-state
```

Output Parameters

GSX_MOD_ISDN_BCHANNEL_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISDN_BCHANNEL_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL-STATE-RB

Rolls back modifications to the administrative state. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.modISDNBChannelStateRb.**

Table 2–95   A_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL-STATE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
INTERFACE	The number of the ISDN Interface that contains the designated B-channels. Must be 0-20.	N/A	N/A	S	R
BCHANNEL	A single B-channel number or a set of B-channels. Must be one or more ranges of Bchannels within the overall range 1-23.	N/A	N/A	S	R
OLD_BCHANNEL_STATE	The previous administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	O
BCHANNEL_STATE	The previous administrative state of the module in the chassis slot. Values: disabled or enabled. Use for the rollback when OLD state is not provided.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN BCHANNEL SERVICE servicename ..
INTERFACE interface
BCHANNEL bchannel
CIRCUITPROFILENAME circuitprofilename
DIRECTION direction
TRUNK MEMBER tmember-no
TRUNK MEMBER UNSET
```

Output Parameters

GSX_MOD_ISDN_BCHANNEL_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM

GSX_MOD_ISDN_BCHANNEL_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-BACKUP

Modifies a configuration for ISDN backup D-channel(s). It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningISDN.modISDNDChannelBackup.**

Table 2–96   A_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-BACKUP

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
BACKUP_INTERFACE	The ISDN service group backup D-channel interface. Must be 0-20, default is 1.	N/A	N/A	S	R
BACKUP_TIMESLOT	The ISDN service group backup D-channel time slot. Must be 0-31, default is 24, or 16 when SWITCHTYPE is euroIsdn.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename ..
BACKUP DCHANNEL INTERFACE pdi
BACKUP DCHANNEL TIMESLOT pdts
```

Output Parameters

GSX_MOD_ISDN_DCHANNEL_BACKUP_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISDN_DCHANNEL_BACKUP_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-BACKUP-MODE

Modifies the operational state to inservice outofservice or maintenance. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningISDN.modISDNDChannelBackupMode.**

Table 2–97   A_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-BACKUP-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
BACKUP_MODE	The ISDN service group backup D-channel mode: inService (active), outOfService (inactive), unEquipped (unable to be used for signaling).	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename ..
BACKUP DCHANNEL MODE pdm
```

Output Parameters

GSX_MOD_ISDN_DCHANNEL_BACKUP_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISDN_DCHANNEL_BACKUP_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-BACKUP-MODE-RB

Rolls back the modification of the operational state. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.modISDNDChannelBackupModeRb.**

Table 2–98   A_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-BACKUP-MODE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
OLD_BACKUP_MODE	The previous ISDN service group backup D-channel mode: inService (active), outOfService (inactive), unEquipped (unable to be used for signaling).	N/A	N/A	S	O
BACKUP_MODE	The previous ISDN service group backup D-channel mode: inService (active), outOfService (inactive), unEquipped (unable to be used for signaling). Use for the rollback if OLD Mode is not provided.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename ..
BACKUP DCHANNEL MODE pdm
```

Output Parameters

GSX_MOD_ISDN_DCHANNEL_BACKUP_MODE_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISDN_DCHANNEL_BACKUP_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-BACKUP-RB

Rolls back the modification of a configuration for ISDN backup D-channel(s). It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.modISDNDChannelBackupRb.**

Table 2–99   A_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-BACKUP-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
OLD_BACKUP_ INTERFACE	The previous ISDN service group backup D-channel interface. Must be 0-20, default is 1.	N/A	N/A	S	R
OLD_BACKUP_ TIMESLOT	The previous ISDN service group backup D-channel time slot. Must be 0-31, default is 24, or 16 when SWITCHTYPE is euroIsdn.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename ..
BACKUP DCHANNEL INTERFACE pdi
BACKUP DCHANNEL TIMESLOT pdts
```

Output Parameters

GSX_MOD_ISDN_DCHANNEL_BACKUP_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISDN_DCHANNEL_BACKUP_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM.

A_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-PRIMARY

Modifies a configuration for ISDN primary D-channel(s). It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.modISDNDChannelPrimary.**

Table 2–100   A_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-PRIMARY

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
PRIMARY_ INTERFACE	The ISDN service group primary D-channel interface. Must be 0-20, default is 0.	N/A	N/A	S	R
PRIMARY_TIMESLOT	The ISDN service group primary D-channel time slot. Must be 0-31, default is 24, or 16 when SWITCHTYPE is euroIsdn.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename ..
PRIMARY DCHANNEL INTERFACE pdi
PRIMARY DCHANNEL TIMESLOT pdts
```

Output Parameters

GSX_MOD_ISDN_DCHANNEL_PRIMARY_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISDN_DCHANNEL_PRIMARY_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-PRIMARY-MODE

Modifies the operational state to inservice or outofservice. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.modISDNDChannelPrimaryMode.**

Table 2–101   A_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-PRIMARY-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
PRIMARY_MODE	The ISDN service group primary D-channel mode: inService (active), outOfService (inactive).	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename ..
PRIMARY DCHANNEL MODE pdm
```

Output Parameters

GSX_MOD_ISDN_DCHANNEL_PRIMARY_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISDN_DCHANNEL_PRIMARY_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-PRIMARY-MODE-RB

Rolls back the modification to the operational state. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.modISDNDChannelPrimaryModeRb.**

Table 2–102   A_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-PRIMARY-MODE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
OLD_PRIMARY_ MODE	The previous ISDN service group primary D-channel mode: inService (active), outOfService (inactive).	N/A	N/A	S	O
PRIMARY_MODE	The previous ISDN service group primary D-channel mode: inService (active), outOfService (inactive). Use for the rollback if OLD mode is not provided.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename ..
PRIMARY DCHANNEL MODE pdm
```

Output Parameters

GSX_MOD_ISDN_DCHANNEL_PRIMARY_MODE_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISDN_DCHANNEL_PRIMARY_MODE_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-PRIMARY-RB

Rolls back the modification of a configuration for ISDN primary D-channel(s). It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.modISDNDChannelPrimaryRb.**

Table 2–103   A_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-PRIMARY-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
OLD_PRIMARY_ INTERFACE	The previous ISDN service group primary D-channel interface. Must be 0-20, default is 0.	N/A	N/A	S	R
OLD_PRIMARY_ TIMESLOT	The previous ISDN service group primary D-channel time slot. Must be 0-31, default is 24, or 16 when SWITCHTYPE is euroIsdn.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename ..
PRIMARY DCHANNEL INTERFACE pdi
PRIMARY DCHANNEL TIMESLOT pdts
```

Output Parameters

GSX_MOD_ISDN_DCHANNEL_PRIMARY_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISDN_DCHANNEL_PRIMARY_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE-CONF

Modifies an existing ISDN interface configuration. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningISDN.modISDNInterfaceConf.**

Table 2–104   A_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which this ISDN Interface is linked.	N/A	N/A	S	R
INTERFACE	The Q.931 interface identifier. Must be 0-19 or 1-20.	N/A	N/A	S	R
ISDN_INTERFACE_T1NAME	The automatically created name of the T1 or E1 span that is assigned to the ISDN interface.	N/A	N/A	S	O
ISDN_INTERFACE_SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
ISDN_INTERFACE_SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
ISDN_INTERFACE_SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
ISDN_INTERFACE_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN INTERFACE SERVICE servicename ..
INTERFACE interface PORT port
```

Output Parameters

GSX_MOD_ISDN_INTERFACE_CONF_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM

GSX_MOD_ISDN_INTERFACE_CONF_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM.

A_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE-CONF-RB

Rolls back the modification to an existing ISDN interface configuration. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningISDN.modISDNInterfaceConfRb.**

Table 2–105   A_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which this ISDN Interface is linked.	N/A	N/A	S	R
INTERFACE	The Q.931 interface identifier. Must be 0-19 or 1-20.	N/A	N/A	S	R
OLD_ISDN_ INTERFACE_T1NAME	The previous automatically created name of the T1 or E1 span that is assigned to the ISDN interface.	N/A	N/A	S	O
OLD_ISDN_ INTERFACE_ SHELFNUMBER	The previous shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
OLD_ISDN_ INTERFACE_ SLOTNUMBER	The previous slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
OLD_ISDN_ INTERFACE_SPAN	The previous span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
OLD_ISDN_ INTERFACE_PORT	The previous port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN INTERFACE SERVICE servicename ..
INTERFACE interface PORT port
```

Output Parameters

GSX_MOD_ISDN_INTERFACE_CONF_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISDN_INTERFACE_CONF_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE-STATE

Modifies an ISDN interface administrative state. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.modISDNInterfaceState.**

Table 2–106   A_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which this ISDN Interface is linked.	N/A	N/A	S	R
INTERFACE	The Q.931 interface identifier. Must be 0-19 or 1-20.	N/A	N/A	S	R
ISDN_INTERFACE_ STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE ISDN INTERFACE SERVICE servicename ..
INTERFACE interface STATE admin-state
```

Output Parameters

GSX_MOD_ISDN_INTERFACE_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISDN_INTERFACE_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE-STATE-RB

Rolls back the modification to an ISDN interface administrative state. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.modISDNInterfaceStateRb.**

Table 2–107   A_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE-STATE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which this ISDN Interface is linked.	N/A	N/A	S	R
INTERFACE	The Q.931 interface identifier. Must be 0-19 or 1-20.	N/A	N/A	S	R
OLD_ISDN_ INTERFACE_STATE	The previous administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	O
ISDN_INTERFACE_ STATE	The previous administrative state of the module in the chassis slot. Values: disabled or enabled. Use when OLD state is not provided for the rollback.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN INTERFACE SERVICE servicename ..
INTERFACE interface STATE admin-state
```

Output Parameters

GSX_MOD_ISDN_INTERFACE_STATE_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM

GSX_MOD_ISDN_INTERFACE_STATE_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM.

A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-CONF

Modify existing ISDN Service Configuration. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.modISDNServiceConf.**

Table 2–108   A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service that is being created and configured.	N/A	N/A	S	R
ISDN_TGNAME	The name of the trunk group that this ISDN service belongs to.	N/A	N/A	S	O
ISDN_HUNT	The hunt algorithm used to select channels for calls destined to this service group: lowlow, highhigh, circularforward, circularbackward.	N/A	N/A	S	O
ISDN_COST	The (relative) routing cost to the ISDN service group. Must be 0-100, default is 50. A value of 100 represents the highest possible cost.	N/A	N/A	S	O
SWITCHSIDE	The switch side that this ISDN service group should act as: network (a switch on the network side), user (a switch on the user side).	N/A	N/A	S	O
ISDN_SWITCHTYPE	The network switch type the ISDN service group will emulate: ni2, dms250, dms100, 5ess, 4ess, euroIsdn, ins1500.	N/A	N/A	S	O
DIRECTORY_ NUMBER	The default directory number (DN). When a calling party number (CPN) is provided in the incoming setup, the DN is used as the billing number. When the CPN is absent from the incoming setup, the DN is used as the CPN.	N/A	N/A	S	O
CALLING_PARTY_ NUM_PROVISION	Specifies whether a CPN is required in the incoming setup: necessary-the incoming call is rejected if no CPN is provided. Values include: notNecessary (the DN must be specified and is used as the CPN).	N/A	N/A	S	O

Table 2–108   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
CALLING_PARTY_ NUM_DISCARD	Specifies whether a CPN, or Redirecting Number (RN), that is not screened or that fails screening is discarded: no, yes.	N/A	N/A	S	O
CALLING_PARTY_ NUM_ PRESENTATION	Specifies the default presentation indicator: no (presentation prohibited), yes (presentation allowed).	N/A	N/A	S	O
CALLING_PARTY_ NUM_DELIVERY	Specifies whether a CPN or RN is included within an outgoing setup: no, yes.	N/A	N/A	S	O
CALLING_PARTY_ SUBADDRESS_ TRANSFER	Specifies whether a calling party subaddress information element (CPS) is accepted in the incoming setup: no (discard the CPS), yes (accept the CPS), conditional.	N/A	N/A	S	O
CALLING_PARTY_ SUBADDRESS_ DELIVERY	cps_deliver N/A Specifies whether a CPS is included within an outgoing setup for delivery to the Customer Provided Equipment (CPE): no (discard the CPS), yes (include the CPS in the setup), conditional (include the CPS if the CPN was also accepted).	N/A	N/A	S	O
CALLED_PARTY_ SUBADDRESS_ TRANSFER	Specifies whether a called party subaddress information element is accepted in the incoming setup: no, yes, conditional.	N/A	N/A	S	O
CALLED_PARTY_ SUBADDRESS_ DELIVERY	Specifies whether a called party subaddress information element is included within an outgoing setup for delivery to the Customer Provided Equipment (CPE): no, yes, conditional.	N/A	N/A	S	O
BCHANNEL_ SIGNALING	Specifies whether SERVICE messages will be used to communicate the B-channel state: yes (service messages are used), no (service messages disabled).	N/A	N/A	S	O
BCHANNEL_ RESTART	Specifies whether B-channels are brought into service with RESTART messages: yes-RESTARTs are sent for each channel when datalink establishes. Values are: yes (RESTARTs are sent for each channel when datalink establishes, no (the channels are brought into service with SERVICE messages, unless bcas is no).	N/A	N/A	S	O
DISCONNECT_ PROFILE	The name of a Disconnect Treatment Profile that will be used to map a disconnect reason code to a Disconnect Signaling Sequence Profile (SSP) for this service group.	N/A	N/A	S	O
TONE_PACKAGE	The name of a tone package to be used by this ISDN service group.	N/A	N/A	S	O

Table 2–108   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
SWITCHPROFILE	The name of the ISDN switch profile to be used by the ISDN service group. This file has embedded information that describes the SWITCHTYPE.	N/A	N/A	S	O
PROFILENAME	The name of an ISDN service profile to use to provide all undeclared parameter values in this ISDN service.	N/A	N/A	S	O
CALLING_PARTY_ NAME_DELIVER	Specifies whether the Calling Party Name is delivered in an outgoing SETUP message: no, yes.	N/A	N/A	S	O
REMOTE_SWITCH_ TYPE	The remote switch type. This should only be set to something other than default if the remote switch type has unique behavior. Currently, the unique behavior is meridian: default, meridian.	N/A	N/A	S	O
EARLY_ACM_FOR_ ISUP	When interworking between ISDN and ISUP, specifies whether or not to deliver an early address complete message (ACM): no, yes.	N/A	N/A	S	O
EARLY_CUT_ AUDIBLE_RING	Specifies whether early cut through is allowed on an audible ring: no (disable early cut through), yes (enable early cut through).	N/A	N/A	S	O
EARLY_CUT_ NETWORK_ INTERWORK	Specifies whether early cut through is allowed on network interworking: no (disable early cut through), yes (enable early cut through).	N/A	N/A	S	O
DISCONNECT_SSP	The name of a Disconnect SSP Profile that will be used for this service group.	N/A	N/A	S	O
BEARER_ CAPABILITY_ FALLBACK	Specifies whether bearer capability fall back is allowed on the network: no (not allowed), yes (allowed).	N/A	N/A	S	O
DIAL_TONE	Specifies the dial tone to play when the ISDN service group is emulating a euroIsdn switch and overlap addressing is in effect.	N/A	N/A	S	O
CONFIRMATION_ TONE	Specifies a confirmation tone to play when the ISDN call is answered (prior to media cut through). The confirmation tone must be configured as part of the ISDN service group's TONE PACKAGE.	N/A	N/A	S	O
TWO_BCHANNEL_ ENABLED	Specifies whether ISDN PRI Two B-channel Transfer (TBCT) is enabled for this ISDN service group: yes (permit TBCT call transfers), no (do not permit TBCT call transfers).	N/A	N/A	S	O
TWO_BCHANNEL_ ACKNOWLEDGE	Specifies the type of message to carry the TBCT acknowledgement: facility (send a FACILITY message to carry the ACK), disconnect (carry the ACK in the DISC message used to clear the call leg to the controller).	N/A	N/A	S	O

Table 2–108   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
TWO_BCHANNEL_ NOTIFICATION_ USERS	Specifies whether a notification is provided to the transferred users when a TBCT occurs: yes (provide user with notification when the call is transferred), no (do not provide notification).	N/A	N/A	S	O
TWO_BCHANNEL_ NOTIFICATION_ CONTROLLER	Specifies whether a notification is provided to the ISDN controller when a TBCT is cleared: yes (provide controller notification when the call is cleared), no (do not provide notification to the controller).	N/A	N/A	S	O
TWO_BCHANNEL_ ACTIVE_LIMIT	Specifies the number of simultaneously active TBCTs allowed on the configured PRI. Must be 0 to 60000. Default is 100. A value of 0 indicates no limit.	N/A	N/A	S	O
TWO_BCHANNEL_ INTERVAL_LIMIT	Specifies the number of transfer requests allowed on the configured PRI within a 10 second interval. Must be 0 to 500. Default is 10. A value of 0 indicates no limit.	N/A	N/A	S	O
MIN_DIGITS_DS_ QUERY	Specifies the minimum number of CalledAddress digits to collect before attempting a route query, when overlap addressing is supported and CalledAddress receive is not complete. Must be 0-30, default is 0 (digits).	N/A	N/A	S	O
SERVICETYPE	Specifies the type of ISDN service group to be configured: default - Standard service for trunk groups that use contiguous spans of B-channels: dchannel - A service associated exclusively with the D-channel: bchannel - A call processing service associated with B-channels and assigned to a trunk group.	N/A	N/A	S	O
ISDN_ ANSSUPVTIMEOUT	When answer supervision is enabled, specifies the timeout period, in seconds, from the egress receiving the first backwards message from the called party exchange (Call Proceeding, Alerting, Call Progress) until the call is answered. If the timeout period expires, the answer supervision action specified is triggered. Must be 1-1000.	N/A	N/A	S	O
GUARDTIMER	Specifies the time, in milliseconds, to delay subsequent hunting of a channel after a call is released. Must be 0-9999 (milliseconds), default is 0. A value of 0 directs immediate hunting of the channel. An incoming call will be allowed to proceed, even if the timer is running.	N/A	N/A	S	O

Table 2–108   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
CGRTIMEOUT	The time (in seconds) to wait to release a call when that call was rejected due to congestion. This parameter effectively prevents the machine congestion level from escalating due to rapid repeated call attempts by equipment that does notsupport congestion detection. Must be 0-5 (seconds), default is 0. A value of 0 disables this timer.	N/A	N/A	S	O
CALLING_PARTY_ NAME_RECEIVE_ TIMER	Specifies timer to wait for the name. If the timer expires before the name is received, the call proceeds without the name. 0 = Disabled. The GSX ignores any indication (in a Setup) that information is following, processes the call normally, and ignores any CNAME that arrives later. 1-3600 = Enabled; When there is indication that information is following, the GSX begins processing the call but holds the Setup until the CNAME is received or until the timer expires, whichever comes first.	N/A	N/A	S	O
OLI_DELIVERY	Specifies whether Originating Line Identification (OLI) delivery is supported on ISDN switch types	N/A	N/A	S	O
BCHANNEL_ NEGOTIATION	The time (in seconds) to wait to release a call when that call was rejected due to congestion.	N/A	N/A	S	O
SKIP_CB_PROFILE	The index number of the SKIP CRANKBACK PROFILE to use with this ISDN service group.	N/A	N/A	S	O
LDC_ACTION	Specifies the action to take if the Long Duration Call (LDC) timer expires. The call may be released, a SNMP trap may be generated, or both	N/A	N/A	S	O
LDC_EMERGENCY_ CALLS	Specifies whether emergency calls should be excluded from, or included in Long Duration Call (LDC) disconnect procedures	N/A	N/A	S	O
LDC_RELEASE_ CAUSE	Specifies the GSX disconnect reason used to release the call if the call is released due to Long Duration Call (LDC) timer expiry	N/A	N/A	S	O
LDC_TIMEOUT	Specifies the timeout value of the Long Duration Call (LDC) timer in minutes.	N/A	N/A	S	O
PROGRESS_ON_ ACM_WITH_CAUSE	Specifies whether a Progress message is sent on receiving an ACM/CPG with Cause Indicators (ISDN to ISUP/SIP-I calls only)	N/A	N/A	S	O

Table 2–108   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
CRANKBACK_ PROFILE	The index number of the CRANKBACK PROFILE to use with this ISUP service group. This must specify a valid Call Crankback profile index, in the range 1-10. The default is 1, or Call Crankback Profile default.	N/A	N/A	S	O
CONF_TONE_ OVERRIDE	Specifies support for subscriber-level confirmation tore	N/A	N/A	S	O
IMMEDIATE_DISC_ INBAND_TONES	Specifies action to take when the GSX receives a DISCONNECT with inband tones	N/A	N/A	S	O
ANSWER_SUPV_ TIMEOUT_ACTION	Specifies action to take when the answer supervision timer expires	N/A	N/A	S	O

MML commands

MML Syntax :

This method modifies ISDN Service Configuration.

```
CONFIGURE ISDN SERVICE servicename ..
TRUNK GROUP tgname
TRUNK GROUP NONE
HUNT hunt
COST cost
SWITCHSIDE switchside
SWITCHTYPE switchtype
DIRECTORY NUMBER NONE
DIRECTORY NUMBER dirnum
CALLING PARTY NUMBER PROVISION cpn_prov
CALLING PARTY NUMBER DISCARD cpn_disc
CALLING PARTY NUMBER PRESENTATION cpn_present
CALLING PARTY NUMBER DELIVERY cpn_deliver
CALLING PARTY SUBADDRESS TRANSFER cps_tran
CALLING PARTY SUBADDRESS DELIVERY cps_deliver
CALLING PARTY NAME DELIVERY cpnam_deliver
CALLING PARTY NAME RECEIVE TIMER calling_party_name_receive_timer
OLI_DELIVERY olidelivery
BCHANNEL AVAILABILITY SIGNALING bcas
BCHANNEL INITIAL RESTART initialres
BCHANNEL NEGOTIATION negotiation
DISCONNECT TREATMENT PROFILE dtprofile
TONE PACKAGE tonepkg
SWITCHPROFILE switchprofile
PROFILENAME profilename
CALLED PARTY SUBADDRESS TRANSFER cdps_tran
CALLED PARTY SUBADDRESS DELIVERY cdps_deliver
REMOTE SWITCH TYPE rswitchtype
EARLY ACM FOR INTERWORKING WITH ISUP earlyacm
EARLY CUT THROUGH AUDIBLE RING ectar
EARLY CUT THROUGH NETWORK INTERWORKING ectni
DISCONNECT SSP dssp
DISCONNECT SSP NONE
```

```
BEARER CAPABILITY FALLBACK bearcapfall
DIAL TONE dialtone
DIAL TONE NONE
CONFIRMATION TONE confirmationtone
CONFIRMATION TONE NONE
TWO BCHANNEL TRANSFER ENABLED bchanxfer
TWO BCHANNEL TRANSFER ACKNOWLEDGE bchanxferack
TWO BCHANNEL TRANSFER NOTIFICATION TO TRANSFERRED USERS bchanxferntu
TWO BCHANNEL TRANSFER NOTIFICATION TO CONTROLLER .. bchanxfernc
TWO BCHANNEL TRANSFER ACTIVE LIMIT bchanxferal
TWO BCHANNEL TRANSFER INTERVAL LIMIT bchanxferil
MINIMUM DIGITS FOR SENDING DS QUERY mindsqdigits
ANSWER SUPERVISION TIMEOUT anssupvtimeout
SERVICE TYPE servicetype
SKIP CRANKBACK PROFILE skipcbprofile
GUARD TIMER guardtimer
CONGESTION RELEASE TIMEOUT cgrtimeout
LDC ACTION ldcaction
LDC EMERGENCY CALLS ldcemergcalls
LDC RELEASE CAUSE ldcrelcause
LDC TIMEOUT ldctimeout
PROGRESS ON ACM WITH CAUSE progressonacm
```

Output Parameters

GSX_MOD_ISDN_SERVICE_CONF_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISDN_SERVICE_CONF_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM.

A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-CONF-RB

Rolls back modifications to an existing ISDN Service Configuration. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.modISDNServiceConfRb.**

Table 2–109   A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service that is being created and configured.	N/A	N/A	S	R
OLD_ISDN_TGNAME	The previous name of the trunk group that this ISDN service belongs to.	N/A	N/A	S	O
OLD_ISDN_HUNT	The previous hunt algorithm used to select channels for calls destined to this service group: lowlow, highhigh, circularforward, circularbackward.	N/A	N/A	S	O
OLD_ISDN_COST	The previous (relative) routing cost to the ISDN service group. Must be 0-100, default is 50. A value of 100 represents the highest possible cost.	N/A	N/A	S	O
OLD_SWITCHSIDE	The previous switch side that this ISDN service group should act as: network (a switch on the network side), user (a switch on the user side).	N/A	N/A	S	O

Table 2–109   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_ISDN_ SWITCHTYPE	The previous network switch type the ISDN service group will emulate: ni2, dms250, dms100, 5ess, 4ess, euroIsdn, ins1500.	N/A	N/A	S	O
OLD_DIRECTORY_ NUMBER	The previous default directory number (DN). When a calling party number (CPN) is provided in the incoming setup, the DN is used as the billing number. When the CPN is absent from the incoming setup, the DN is used as the CPN.	N/A	N/A	S	O
OLD_CALLING_ PARTY_NUM_ PROVISION	Specifies whether a CPN is required in the incoming setup: necessary-the incoming call is rejected if no CPN is provided. notNecessary (the DN must be specified and is used as the CPN).	N/A	N/A	S	O
OLD_CALLING_ PARTY_NUM_ DISCARD	Specifies whether a CPN, or Redirecting Number (RN), that is not screened or that fails screening is discarded: no, yes.	N/A	N/A	S	O
OLD_CALLING_ PARTY_NUM_ PRESENTATION	The previous default presentation indicator: no (presentation prohibited), yes (presentation allowed).	N/A	N/A	S	O
OLD_CALLING_ PARTY_NUM_ DELIVERY	Specifies whether a CPN or RN is included within an outgoing setup: no, yes.	N/A	N/A	S	O
OLD_CALLING_ PARTY_ SUBADDRESS_ TRANSFER	Specifies whether a calling party subaddress information element (CPS) is accepted in the incoming setup: no-discard the CPS. yes-accept the CPS. conditional	N/A	N/A	S	O
OLD_CALLING_ PARTY_ SUBADDRESS_ DELIVERY	Specifies whether a CPS is included within an outgoing setup for delivery to the Customer Provided Equipment (CPE): no (discard the CPS), yes (include the CPS in the setup), conditional (include the CPS if the CPN was also accepted).	N/A	N/A	S	O
OLD_CALLED_ PARTY_ SUBADDRESS_ TRANSFER	Specifies whether a called party subaddress information element is accepted in the incoming setup: no, yes, conditional.	N/A	N/A	S	O
OLD_CALLED_ PARTY_ SUBADDRESS_ DELIVERY	Specifies whether a called party subaddress information element is included within an outgoing setup for delivery to the Customer Provided Equipment (CPE): no, yes, conditional.	N/A	N/A	S	O
OLD_BCHANNEL_ SIGNALING	Specifies whether SERVICE messages will be used to communicate the B-channel state: yes (service messages are used), no (service messages disabled).	N/A	N/A	S	O

Table 2–109   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_BCHANNEL_ RESTART	Specifies whether B-channels are brought into service with RESTART messages: yes-RESTARTs are sent for each channel when datalink establishes. Values are: yes (RESTARTs are sent for each channel when datalink establishes), no (the channels are brought into service with SERVICE messages, unless bcas is no).	N/A	N/A	S	O
OLD_DISCONNECT_ PROFILE	The previous name of a Disconnect Treatment Profile that will be used to map a disconnect reason code to a Disconnect Signaling Sequence Profile (SSP) for this service group.	N/A	N/A	S	O
OLD_TONE_ PACKAGE	The name of a tone package to be used by this ISDN service group.	N/A	N/A	S	O
OLD_ SWITCHPROFILE	The previous name of the ISDN switch profile to be used by the ISDN service group. This file has embedded information that describes the SWITCHTYPE.	N/A	N/A	S	O
OLD_PROFILENAME	The previous name of an ISDN service profile to use to provide all undeclared parameter values in this ISDN service.	N/A	N/A	S	O
OLD_CALLING_ PARTY_NAME_ DELIVER	Specifies whether the Calling Party Name is delivered in an outgoing SETUP message: no, yes.	N/A	N/A	S	O
OLD_REMOTE_ SWITCH_TYPE	The previous remote switch type. This should only be set to something other than default if the remote switch type has unique behavior. Currently, the unique behavior is meridian: default, meridian.	N/A	N/A	S	O
OLD_EARLY_ACM_ FOR_ISUP	When interworking between ISDN and ISUP, specifies whether or not to deliver an early address complete message (ACM): no, yes.	N/A	N/A	S	O
OLD_EARLY_CUT_ AUDIBLE_RING	Specifies whether early cut through is allowed on an audible ring: no (disable early cut through), yes (enable early cut through).	N/A	N/A	S	O
OLD_EARLY_CUT_ NETWORK_ INTERWORK	Specifies whether early cut through is allowed on network interworking: no (disable early cut through), yes)enable early cut through).	N/A	N/A	S	O
OLD_DISCONNECT_ SSP	The previous name of a Disconnect SSP Profile that will be used for this service group.	N/A	N/A	S	O
OLD_BEARER_ CAPABILITY_ FALLBACK	Specifies whether bearer capability fall back is allowed on the network: no (not allowed), yes (allowed).	N/A	N/A	S	O

Table 2–109   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_DIAL_TONE	The previous dial tone to play when the ISDN service group is emulating a euroIsdn switch and overlap addressing is in effect.	N/A	N/A	S	O
OLD_ CONFIRMATION_ TONE	The previous confirmation tone to play when the ISDN call is answered (prior to media cut through). The confirmation tone must be configured as part of the ISDN service group's TONE PACKAGE.	N/A	N/A	S	O
OLD_TWO_ BCHANNEL_ ENABLED	Specifies whether ISDN PRI Two B-channel Transfer (TBCT) is enabled for this ISDN service group: yes-permit TBCT call transfers no-do not permit TBCT call transfers.	N/A	N/A	S	O
OLD_TWO_ BCHANNEL_ ACKNOWLEDGE	The previous type of message to carry the TBCT acknowledgement: facility (send a FACILITY message to carry the ACK), disconnect (carry the ACK in the DISC message used to clear the call leg to the controller).	N/A	N/A	S	O
OLD_TWO_ BCHANNEL_ NOTIFICATION_ USERS	The previous notification provided to the transferred users when a TBCT occurs: yes (provide user with notification when the call is transferred), no (do not provide notification).	N/A	N/A	S	O
OLD_TWO_ BCHANNEL_ NOTIFICATION_ CONTROLLER	The previous notification provided to the ISDN controller when a TBCT is cleared: yes (provide controller notification when the call is cleared), no (do not provide notification to the controller).	N/A	N/A	S	O
OLD_TWO_ BCHANNEL_ ACTIVE_LIMIT	The previous number of simultaneously active TBCTs allowed on the configured PRI. Must be 0 to 60000. Default is 100. A value of 0 indicates no limit.	N/A	N/A	S	O
OLD_TWO_ BCHANNEL_ INTERVAL_LIMIT	The previous number of transfer requests allowed on the configured PRI within a 10 second interval. Must be 0 to 500. Default is 10. A value of 0 indicates no limit.	N/A	N/A	S	O
OLD_MIN_DIGITS_ DS_QUERY	The previous minimum number of CalledAddress digits to collect before attempting a route query, when overlap addressing is supported and CalledAddress receive is not complete. Must be 0-30, default is 0 (digits).	N/A	N/A	S	O
OLD_SERVICETYPE	Specifies the type of ISDN service group to be configured: default - Standard service for trunk groups that use contiguous spans of B-channels: dchannel - A service associated exclusively with the D-channel: bchannel - A call processing service associated with B-channels and assigned to a trunk group.	N/A	N/A	S	O

Table 2–109   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_ISDN_ ANSSUPVTIMEOUT	When answer supervision is enabled, specifies the timeout period, in seconds, from the egress receiving the first backwards message from the called party exchange (Call Proceeding, Alerting, Call Progress) until the call is answered. If the timeout period expires, the answer supervision action specified is triggered. Must be 1-1000.	N/A	N/A	S	O
OLD_GUARDTIMER	Specifies the time, in milliseconds, to delay subsequent hunting of a channel after a call is released. Must be 0-9999(milliseconds), default is 0. A value of 0 directs immediate hunting of the channel. An incoming call will be allowed to proceed, even if the timer is running.	N/A	N/A	S	O
OLD_CGRTIMEOUT	The time (in seconds) to wait to release a call when that call was rejected due to congestion. This parameter effectively prevents the machine congestion level from escalating due to rapid repeated call attempts by equipment that does notsupport congestion detection. Must be 0-5 (seconds), default is 0. A value of 0 disables this timer.	N/A	N/A	S	O
OLD_CALLING_ PARTY_NAME_ RECEIVE_TIMER	Specifies timer to wait for the name. If the timer expires before the name is received, the call proceeds without the name. 0 = Disabled. The GSX ignores any indication (in a Setup) that information is following, processes the call normally, and ignores any CNAME that arrives later. 1-3600 = Enabled; When there is indication that information is following, the GSX begins processing the call but holds the Setup until the CNAME is received or until the timer expires, whichever comes first.	N/A	N/A	S	O
OLD_OLI_DELIVERY	Specifies whether Originating Line Identification (OLI) delivery is supported on ISDN switch types	N/A	N/A	S	O
OLD_BCHANNEL_ NEGOTIATION	The time (in seconds) to wait to release a call when that call was rejected due to congestion.	N/A	N/A	S	O
OLD_SKIP_CB_ PROFILE	The index number of the SKIP CRANKBACK PROFILE to use with this ISDN service group.	N/A	N/A	S	O
OLD_LDC_ACTION	Specifies the action to take if the Long Duration Call (LDC) timer expires. The call may be released, a SNMP trap may be generated, or both	N/A	N/A	S	O

Table 2–109   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_LDC_ EMERGENCY_CALLS	Specifies whether emergency calls should be excluded from, or included in Long Duration Call (LDC) disconnect procedures	N/A	N/A	S	O
OLD_LDC_RELEASE_ CAUSE	Specifies the GSX disconnect reason used to release the call if the call is released due to Long Duration Call (LDC) timer expiry	N/A	N/A	S	O
OLD_LDC_TIMEOUT	Specifies the timeout value of the Long Duration Call (LDC) timer in minutes.	N/A	N/A	S	O
OLD_PROGRESS_ON_ ACM_WITH_CAUSE	Specifies whether a Progress message is sent on receiving an ACM/CPG with Cause Indicators (ISDN to ISUP/SIP-I calls only)	N/A	N/A	S	O
OLD_CRANKBACK_ PROFILE	The index number of the CRANKBACK PROFILE to use with this ISUP service group. This must specify a valid Call Crankback profile index, in the range 1-10. The default is 1, or Call Crankback Profile default.	N/A	N/A	S	O
OLD_CONF_TONE_ OVERRIDE	Specifies support for subscriber-level confirmation tore	N/A	N/A	S	O
OLD_IMMEDIATE_ DISC_INBAND_ TONES	Specifies action to take when the GSX receives a DISCONNECT with inband tones	N/A	N/A	S	O
OLD_ANSWER_ SUPV_TIMEOUT_ ACTION	Specifies action to take when the answer supervision timer expires	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename ..
TRUNK GROUP tgname
TRUNK GROUP NONE
HUNT hunt
COST cost
SWITCHSIDE switchside
SWITCHTYPE switchtype
DIRECTORY NUMBER NONE
DIRECTORY NUMBER dirnum
CALLING PARTY NUMBER PROVISION cpn_prov
CALLING PARTY NUMBER DISCARD cpn_disc
CALLING PARTY NUMBER PRESENTATION cpn_present
CALLING PARTY NUMBER DELIVERY cpn_deliver
CALLING PARTY SUBADDRESS TRANSFER cps_tran
CALLING PARTY SUBADDRESS DELIVERY cps_deliver
CALLING PARTY NAME DELIVERY cpnam_deliver
CALLING PARTY NAME RECEIVE TIMER calling_party_name_receive_timer
OLI_DELIVERY olidelivery
BCHANNEL AVAILABILITY SIGNALING bcas
```

```
BCHANNEL INITIAL RESTART initialres
BCHANNEL NEGOTIATION negotiation
DISCONNECT TREATMENT PROFILE dtprofile
TONE PACKAGE tonepkg
SWITCHPROFILE switchprofile
PROFILENAME profilename
CALLED PARTY SUBADDRESS TRANSFER cdps_tran
CALLED PARTY SUBADDRESS DELIVERY cdps_deliver
REMOTE SWITCH TYPE rswitchtype
EARLY ACM FOR INTERWORKING WITH ISUP earlyacm
EARLY CUT THROUGH AUDIBLE RING ectar
EARLY CUT THROUGH NETWORK INTERWORKING ectni
DISCONNECT SSP dssp
DISCONNECT SSP NONE
BEARER CAPABILITY FALLBACK bearcapfall
DIAL TONE dialtone
DIAL TONE NONE
CONFIRMATION TONE confirmationtone
CONFIRMATION TONE NONE
TWO BCHANNEL TRANSFER ENABLED bchanxfer
TWO BCHANNEL TRANSFER ACKNOWLEDGE bchanxferack
TWO BCHANNEL TRANSFER NOTIFICATION TO TRANSFERRED USERS bchanxferntu
TWO BCHANNEL TRANSFER NOTIFICATION TO CONTROLLER .. bchanxfernc
TWO BCHANNEL TRANSFER ACTIVE LIMIT bchanxferal
TWO BCHANNEL TRANSFER INTERVAL LIMIT bchanxferil
MINIMUM DIGITS FOR SENDING DS QUERY mindsqdigits
ANSWER SUPERVISION TIMEOUT anssupvtimeout
SERVICE TYPE servicetype
SKIP CRANKBACK PROFILE skipcbprofile
GUARD TIMER guardtimer
CONGESTION RELEASE TIMEOUT cgrtimeout
LDC ACTION ldcaction
LDC EMERGENCY CALLS ldcemergcalls
LDC RELEASE CAUSE ldcrelcause
LDC TIMEOUT ldctimeout
PROGRESS ON ACM WITH CAUSE progressonacm
```

Output Parameters

GSX_MOD_ISDN_SERVICE_CONF_RB_RETCODE as CSDL parameter to the SARM
table TBL_SRQ_PARM.

GSX_MOD_ISDN_SERVICE_CONF_RB_RETCODE as INFO parameter to the SARM
table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-GROUP

Modifies the ISDN Service Group. It is implemented by the Java method
**com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningISDN.modISDNServiceGroup.**

Table 2–110   A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service that is being created and configured.	N/A	N/A	S	R
GROUP	An operation to be applied either to the underlying B-channels of the ISDN service group: outOfService (place B-channels out of service), maintenance (place B-channels in maintenance state), inService (place B-channels in service), restart (restart B-channel).	N/A	N/A	S	R
ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup-all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped. force-all calls are dropped immediately.	N/A	N/A	S	O
TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename ..
GROUP group ACTION action TIMEOUT timeout
```

Output Parameters

GSX_MOD_ISDN_SERVICE_GROUP_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM

GSX_MOD_ISDN_SERVICE_GROUP_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-GROUP-RB

Rols back the modification of the ISDN Service Group. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningISDN.modISDNServiceGroupRb.**

Table 2–111   A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-GROUP-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service that is being created and configured.	N/A	N/A	S	R
OLD_GROUP	An previous operation to be applied either to the underlying B-channels of the ISDN service group: outOfService (place B-channels out of service), maintenance (place B-channels in maintenance state), inService (place B-channels in service), restart (restart B-channel).	N/A	N/A	S	O
OLD_ACTION	The previous method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
OLD_TIMEOUT	The previous time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename ..
GROUP group ACTION action TIMEOUT timeout
```

Output Parameters

GSX_MOD_ISDN_SERVICE_GROUP_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISDN_SERVICE_GROUP_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-MODE

Modifies the Operational state to inservice or outofservice. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningISDN.modISDNServiceMode.**

Table 2–112   A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service that is being created and configured.	N/A	N/A	S	R
ISDN_MODE	The operational state of the server module in the GSX chassis: inservice (active), outofservice (not active, able to put into disabled administrative state).	N/A	N/A	S	O
ISDN_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
ISDN_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename ..
MODE oper-state ACTION action TIMEOUT timeout
```

Output Parameters

GSX_MOD_ISDN_SERVICE_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISDN_SERVICE_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-MODE-RB

Rolls back modications to the operational state. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningISDN.modISDNServiceModeRb.**

Table 2–113   A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-MODE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service that is being created and configured.	N/A	N/A	S	R
OLD_ISDN_MODE	The previous operational state of the server module in the GSX chassis: inservice (active), outofservice (not active, able to put into disabled administrative state).	N/A	N/A	S	O
OLD_ISDN_ACTION	The previous method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
OLD_ISDN_TIMEOUT	The previous time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename ..
MODE oper-state ACTION action TIMEOUT timeout
```

Output Parameters

GSX_MOD_ISDN_SERVICE_MODE_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISDN_SERVICE_MODE_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-STATE

Modifies the Administrative state to enabled or disabled. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.modISDNServiceState.**

Table 2–114   A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service that is being created and configured.	N/A	N/A	S	R
ISDN_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename STATE admin-state
```

Output Parameters

GSX_MOD_ISDN_SERVICE_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISDN_SERVICE_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM.

A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-STATE-RB

Rolls back the modification of the Administrative state. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningISDN.modISDNServiceStateRb.**

Table 2–115   A_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-STATE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service that is being created and configured.	N/A	N/A	S	R
OLD_ISDN_STATE	The previous administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	O
ISDN_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled. Use for the rollback, if OLD state is not provided.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISDN SERVICE servicename STATE admin-state
```

Output Parameters

GSX_MOD_ISDN_SERVICE_STATE_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISDN_SERVICE_STATE_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISUP-ACC-RESPONSE

Modify ACC Response process to disabled or enabled in the ISUP Service. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISUP.modISUPAccResponse.**

Table 2–116   A_SONUS-GSX9000_7-3-X_MOD_ISUP-ACC-RESPONSE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
ACCRESPPROCESS	Sets the Automatic Congestion Control (ACC) Response Process to disabled or enabled.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE ISUP SERVICE isname ACC RESPPROCESS accresproc
```

Output Parameters

GSX_MOD_ISUP_ACC_RESPONSE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISUP_ACC_RESPONSE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISUP-ACC-RESPONSE-RB

Modify ACC Response process to disabled or enabled in the ISUP Service Rollback. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISUP.modISUPAccResponseRb.**

Table 2–117   A_SONUS-GSX9000_7-3-X_MOD_ISUP-ACC-RESPONSE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
OLD_ ACCRESPPROCESS	Sets the Automatic Congestion Control (ACC) Response Process to disabled or enabled.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISUP SERVICE isname ACC RESPPROCESS accresproc
```

Output Parameters

GSX_MOD_ISUP_ACC_RESPONSE_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISUP_ACC_RESPONSE_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-CONF

Modifies an ISUP Circuit Service Configuration. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISUP.modISUPCircuitConf.**

Table 2–118   A_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-CONF

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISCNAME	The name of the ISUP service used by the circuit that you are configuring.	N/A	N/A	S	R
CIC	The set of CICs that comprises this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0, 16383, ANSI1992, and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R
ISC_T1NAME	The (automatically generated and possibly changed) name of the T1 span that contains the channels that comprise this ISUP circuit. Values can be CNS10 T1-shn-sln-spn or T1-shn-sln-ptn-spn.	N/A	N/A	S	O
ISC_SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
ISC_SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
ISC_SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
ISC_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O

Table 2–118   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-CONF

Parameter Name	Description	Range	Default Value	Type	Class
CHANNEL	The set of channels that the CICs (above) are bound to. Must be in the overall range 1-32, but is limited to 1-24 when the PORT is a T1 span. Any discrete set of channels within this range may be specified as discussed below.	N/A	N/A	S	O
SERVICEPROFILENAME	The name of the Circuit Service Profile that you are applying to this ISUP circuit.	N/A	N/A	S	O
DIRECTION	The type of call traffic these CICs can handle: twoway (accept all PSTN calls), onewayin (accept only inbound PSTN calls), onewayout (accept only outbound PSTN calls).	N/A	N/A	S	O
TRUNK_MEMBER	A range of numbers with a one-to-one correspondence to the CIC range that uniquely identifies the circuit endpoints within the trunk group. The GSX software maintains a list of available trunk member numbers for every trunk group. The size of the range must equal the size of the CIC range and each member of the range must be available. Must be 0-65535.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISUP CIRCUIT SERVICE icsname CIC cicrange ..
PORT t1name CHANNEL chanrange
SERVICEPROFILENAME csprofilename
DIRECTION direction
TRUNK MEMBER tmember
TRUNK MEMBER UNSET
```

Output Parameters

GSX_MOD_ISUP_CIRCUIT_CONF_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISUP_CIRCUIT_CONF_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-CONF-RB

Rolls back the modification of an ISUP Circuit Service Configuration. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningISUP.modISUPCircuitConfRb.**

Table 2–119   A_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISCNAME	The name of the ISUP service used by the circuit that you are configuring.	N/A	N/A	S	R
CIC	The set of CICs that comprise this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0-16383-ANSI1992 and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R
OLD_ISC_T1NAME	The previous (automatically generated and possibly changed) name of the T1 span that contains the channels that comprise this ISUP circuit.	N/A	N/A	S	O
OLD_CHANNEL	The previous set of channels that the CICs (above) are bound to. Must be in the overall range 1-32, but is limited to 1-24 when the PORT is a T1 span. Any discrete set of channels within this range may be specified.	N/A	N/A	S	O
OLD_ SERVICEPROFILENA ME	The previous name of the Circuit Service Profile that you are applying to this ISUP circuit.	N/A	N/A	S	O
OLD_DIRECTION	The previous type of call traffic these CICs can handle: twoway (accept all PSTN calls), onewayin (accept only inbound PSTN calls), onewayout (accept only outbound PSTN calls).	N/A	N/A	S	O
OLD_TRUNK_ MEMBER	The previous value within the range of numbers with a one-to-one correspondence to the CIC range that uniquely identifies the circuit endpoints within the trunk group. The GSX software maintains a list of available trunk member numbers for every trunk group. The size of the range must equal the size of the CIC range and each member of the range must be available. Must be 0-65535.	N/A	N/A	S	O
OLD_ISC_ SHELFNUMBER	The previous shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	N/A	S	O

Table 2–119   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_ISC_ SLOTNUMBER	The previous slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
OLD_ISC_SPAN	The previous span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
OLD_ISC_PORT	The previous port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISUP CIRCUIT SERVICE icsname CIC cicrange ..
PORT t1name CHANNEL chanrange
SERVICEPROFILENAME csprofilename
DIRECTION direction
TRUNK MEMBER tmember
TRUNK MEMBER UNSET
```

Output Parameters

GSX_MOD_ISUP_CIRCUIT_CONF_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM

GSX_MOD_ISUP_CIRCUIT_CONF_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-MODE

Modifies the Operational state to inservice or outofservice. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISUP.modISUPCircuitMode.**

Table 2–120   A_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISCNAME	The name of the ISUP service used by the circuit that you are configuring.	N/A	N/A	S	R
CIC	The set of CICs that comprise this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0-16383-ANSI1992 and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R

Table 2–120   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-MODE

Parameter Name	Description	Range	Default Value	Type	Class
ISC_MODE	The operational state of the server module in the GSX chassis: BLOCK , UNBLOCK , RESET , COT	N/A	N/A	S	R
ISC_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE BLOCK is requested: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
ISC_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE BLOCK. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISUP CIRCUIT SERVICE icsname CIC cicrange ..
MODE oper-state ACTION action TIMEOUT timeout
```

Output Parameters

GSX_MOD_ISUP_CIRCUIT_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISUP_CIRCUIT_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-MODE-RB

Rolls back the modification of the Operational state. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningISUP.modISUPCircuitModeRb.**

Table 2–121   A_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-MODE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISCNAME	The name of the ISUP service used by the circuit that you are configuring.	N/A	N/A	S	R
CIC	The set of CICs that comprise this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0-16383-ANSI1992 and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R

Table 2–121 (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-MODE-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_ISC_MODE	The operational state of the server module in the GSX chassis: BLOCK , UNBLOCK , RESET , COT	N/A	N/A	S	O
OLD_ISC_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE BLOCK is requested: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
OLD_ISC_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE BLOCK. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISUP CIRCUIT SERVICE icsname CIC cicrange ..
MODE oper-state ACTION action TIMEOUT timeout
```

Output Parameters

GSX_MOD_ISUP_CIRCUIT_MODE_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISUP_CIRCUIT_MODE_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-STATE

Modifies the Administrative state to enabled or disabled. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISUP.modISUPCircuitState.**

Table 2–122 A_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R

Table 2–122   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-STATE

Parameter Name	Description	Range	Default Value	Type	Class
ISCNAME	The name of the ISUP service used by the circuit that you are configuring.	N/A	N/A	S	R
CIC	The set of CICs that comprise this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0-16383-ANSI1992 and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R
ISC_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE ISUP CIRCUIT SERVICE icsname CIC cicrange ..
STATE admin-state
```

Output Parameters

GSX_MOD_ISUP_CIRCUIT_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISUP_CIRCUIT_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-STATE-RB

Rolls back modifications to the Administrative state. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISUP.modISUPCircuitStateRb.**

Table 2–123   A_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-STATE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISCNAME	The name of the ISUP service used by the circuit that you are configuring.	N/A	N/A	S	R

Table 2–123   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-STATE-RB

Parameter Name	Description	Range	Default Value	Type	Class
CIC	The set of CICs that comprise this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0-16383-ANSI1992 and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R
OLD_ISC_STATE	The previous administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	O
ISC_STATE	The previous administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISUP CIRCUIT SERVICE icsname CIC cicrange ..
STATE admin-state
```

Output Parameters

GSX_MOD_ISUP_CIRCUIT_STATE_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISUP_CIRCUIT_STATE_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-ACC

Modifies the ISUP service ACC configuration. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningISUP.modISUPServiceAcc.**

Table 2–124   A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-ACC

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
ACCL1ARCANCELPERCENT	Automatic Congestion Control (ACC) Level 1 (L1) Alternate Routed (AR) Cancel Percentage. Indicates the percentage of alternate-routed calls to be released. Must be 0-100.	N/A	N/A	S	O

Table 2–124   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-ACC

Parameter Name	Description	Range	Default Value	Type	Class
ACCL1DRCANCELPERCENT	ACC Level 1 Direct Routed (DR) Cancel Percentage. Specifies percentage of direct-routed calls to be released. A call is considered direct-routed when it first arrives to a service group to be routed, and retry has not yet been attempted. Must be 0-100.	N/A	N/A	S	O
ACCL2ARCANCELPERCENT	ACC Level 2 AR Cancel Percentage. Must be 0-100.	N/A	N/A	S	O
ACCL2DRCANCELPERCENT	ACC Level 2 DR Cancel Percentage. Must be 0-100.	N/A	N/A	S	O
ACCL3ARCANCELPERCENT	ACC Level 3 AR Cancel Percentage. Must be 0-100.	N/A	N/A	S	O
ACCL3DRCANCELPERCENT	ACC Level 3 DR Cancel Percentage. Must be 0-100.	N/A	N/A	S	O
ACCSENDACL	Specifies the maximum ACL value sent to a remote node for this ISUP Service Group. 0 means ACC is disabled. Must be 0-3.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISUP SERVICE isname
ACC
L1ARCANCELPERCENT accl1ARcanperc
L1DRCANCELPERCENT accl1DRperc
L2ARCANCELPERCENT accl2ARperc
L2DRCANCELPERCENT acc2DRperc
L3ARCANCELPERCENT accl3ARcanperc
L3DRCANCELPERCENT accl3DRcanperc
SENDACL accSendACL
```

Output Parameters

GSX_MOD_ISUP_SERVICE_ACC_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISUP_SERVICE_ACC_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-ACC-RB

Modifies the ISUP service ACC configuration Rb. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISUP.modISUPServiceAccRb.**

Table 2–125   A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-ACC-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
OLD_ ACCL1ARCANCELPE RCENT	The previous Automatic Congestion Control (ACC) Level 1 (L1) Alternate Routed (AR) Cancel Percentage. Indicates percentage of alternate-routed calls to be released. Must be 0-100.	N/A	N/A	S	O
OLD_ ACCL1DRCANCELPE RCENT	The previous ACC Level 1 Direct Routed (DR) Cancel Percentage. Specifies percentage of direct-routed calls to be released. A call is considered direct-routed when it first arrives to a service group to be routed, and retry has not yet been attempted. Must be 0-100.	N/A	N/A	S	O
OLD_ ACCL2ARCANCELPE RCENT	The previous ACC Level 2 AR Cancel Percentage. Must be 0-100.	N/A	N/A	S	O
OLD_ ACCL2DRCANCELPE RCENT	The previous ACC Level 2 DR Cancel Percentage. Must be 0-100.	N/A	N/A	S	O
OLD_ ACCL3ARCANCELPE RCENT	The previous ACC Level 3 AR Cancel Percentage. Must be 0-100.	N/A	N/A	S	O
OLD_ ACCL3DRCANCELPE RCENT	The previous ACC Level 3 DR Cancel Percentage. Must be 0-100.	N/A	N/A	S	O
OLD_ACCSENDACL	The previous maximum ACL value sent to a remote node for this ISUP Service Group. 0 means ACC is disabled. Must be 0-3.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISUP SERVICE isname
ACC
L1ARCANCELPERCENT accl1ARcanperc
L1DRCANCELPERCENT accl1DRperc
L2ARCANCELPERCENT accl2ARperc
L2DRCANCELPERCENT acc2DRperc
L3ARCANCELPERCENT accl3ARcanperc
L3DRCANCELPERCENT accl3DRcanperc
SENDACL accSendACL
```

Output Parameters

GSX_MOD_ISUP_SERVICE_ACC_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISUP_SERVICE_ACC_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-CONF

Modifies the ISUP service configuration. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISUP.modISUPService.**

Table 2–126   A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
PROFILENAME	The name of the ISUP service profile that you are applying to this ISUP service.	N/A	N/A	S	O
SIGNALING_PROFILE	The name of the ISUP signaling profile that you are applying to this ISUP service.	N/A	N/A	S	O
TRUNK_GROUP	The name of the trunk group to which this ISUP service belongs.	N/A	N/A	S	O
DPC	The destination point code of the central office switch that this service is connected to.	N/A	N/A	S	O
REVISION	The ISUP protocol revision that will be supported for this ISUP service.	N/A	N/A	S	O
HUNT	The hunt algorithm for choosing a specific CIC within a trunk group. This algorithm must complement the one that is in effect at the central office switch.	N/A	N/A	S	O
COST	The relative cost of using the CICs configured in this service. Must be 0-100. A value of 100 represents the highest possible cost.	N/A	N/A	S	O
CONTROL	The set of CICs controlled by this GSX for the sake of resolving dual-seizure scenarios. Additionally, if the HUNT parameter is set to mostnleastidle, a CIC search algorithm is also implied.	N/A	N/A	S	O
CONTFREQ	The frequency with which Continuity Tests will be performed on each ISUP Service Group circuit. Must be 0-16.	N/A	N/A	S	O
HOPCOUNTVALUE	The initial Hop Counter value to use (if hopcountstat is enabled). Must be 10-32.	N/A	N/A	S	O
HOPCOUNTSTATE	The state of Hop Counting procedures for this service group.	N/A	N/A	S	O
DISCONNECT_ TREATMENT_ PROFILE	The name of a Disconnect Treatment Profile that will be used to map a disconnect reason code to a Disconnect Signaling Sequence Profile (SSP) for the ISUP service.	N/A	N/A	S	O

Table 2–126   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
TONE_PACKAGE	The name of a tone package to be used by the ISUP service.	N/A	N/A	S	O
GRSATSTARTUP	Specifies whether to issue reset messages to all circuits in this service group when a CNS module is started or restarted.	N/A	N/A	S	O
INSPECTION_TIME	Inspection time, specified in date-time format. The INSPECTION parameters provide a way to set up automatic regular testing and synchronization of call and maintenance states on all circuits in the ISUP service group.	N/A	N/A	S	O
INSPECTION_ FREQUENCY	The default inspection frequency is once per day. The date-time for each inspection is calculated from the initial INSPECTION TIME, so that correct frequency and timing is maintained even if the GSX has been rebooted.	N/A	N/A	S	O
INSPECTION_STATE	Sets the occurrence of circuit inspections off or on. Valid values: disabled or enabled.	N/A	N/A	S	O
OLIPCHECK	When a call with a Charge Number and a Calling Party Number arrives, by default the GSX checks for Originating Line Information Parameters (OLIP) and rejects the call if they are not present. Valid values: on (check for OLIP), off	N/A	N/A	S	O
INR_INF_PROFILE	Name of the INR INF profile used by this ISUP service. This name is identical to the name of the ISUP signaling profile used by this ISUP service.	N/A	N/A	S	O
CLLI_TOWN_CODE	The town code to be used in the CLLI parameter for ANSI GR317 circuit validation test failure. Must be a four character string, default is 0000.	N/A	N/A	S	O
CLLI_STATE_CODE	The state code to be used in the CLLI parameter for ANSI GR317 circuit validation test failure. Must be a two character string, default is 00.	N/A	N/A	S	O
CLLI_BUILDING_ CODE	The building code to be used in the CLLI parameter for ANSI GR317 circuit validation test failure. Must be a two character string, default is 00.	N/A	N/A	S	O
CLLI_BUILDING_ SUB_DIVISION_CODE	The building sub division code to be used in the CLLI parameter for ANSI GR317 circuit validation test failure. Must be a three character string, default is 000.	N/A	N/A	S	O
CLUSTER_ROUTING	Specifies whether this DPC supports cluster routing (also known as member routing). Valid values: unsupported or supported.	N/A	N/A	S	O

Table 2–126   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
SENDINGOLIPCHECK	When a call with a Charge Number and a Calling Party Number is sent, by default the GSX checks for Originating Line Information Parameters (OLIP) and rejects the call if they are not present. This parameter turns OLIP checking off for certain switches that do not supply OLIP information to such calls.	N/A	N/A	S	O
MINIMUM_DIGITS_ FOR_SENDING_DS_ QUERY	The minimum number of CalledAddress digits to collect before attempting a route query, when overlap addressing is supported and CalledAddress receive is not complete. Must be 0-30, default is 0 (digits).	N/A	N/A	S	O
CONFIRMATION_ TONE	A confirmation tone to play when the ISUP call is answered (prior to media cut through). The confirmation tone must be configured as part of the ISUP service group's TONE PACKAGE. A confirmation tone is typically used by a calling PBX to begin billing.	N/A	N/A	S	O
CONFTONEOVER	Specifies support for subscriber-level confirmation tone: suppported - a confirmation tone plays for all ingress calls: unsupported - use the Calling Party Subscriber screen on the PSX to activate the confirmation tone.	N/A	N/A	S	O
ANSSUPVTIMEOUT	When answer supervision is enabled, specifies the timeout period, in seconds, from the egress receiving the first backwards message from the called party exchange (Call Proceeding, Alerting, Call Progress) until the call is answered.	N/A	N/A	S	O
ANSSUPVTIMEOACT	Specifies the action to take if the answer supervision timer expires (i.e. no signaled answer is received): release - release the call: softanswer - answer the call.	N/A	N/A	S	O
CUTTHRUOVERRIDE	Specifies whether to override the protocol-specific cut through direction when the ACM is receivedwith a backward call indicator (BCI) of Interworking Encountered: unsupported - no override will occurl: backwardscutthru - perform backwards cut through: fullduplexcutthru - perform a full duplex cut through: nocutthru - perform no cut through	N/A	N/A	S	O

Table 2–126   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
SEQUENTIALGRS	Specifies whether to issue the Circuit Group ResetMessage (GRS) in parallel or sequentially to the circuits. unsupported - Issue the reset messages in parallelon the circuits. supported - Reset all circuits by sequentiallyissuing GRS one at a time per remote point code.This may be necessary for inter-working with carrierswho become congested or overloaded whenprocessing large numbers of GRS messages at once.	N/A	N/A	S	O
CBPROFNO	The index number of the CRANKBACK PROFILE to use with this ISUP service group. This must specify a valid Call Crankback profile index, in the range 1-10. The default is 1, or Call Crankback Profile default.	N/A	N/A	S	O
CGRTIMEOUT	The time (in seconds) to wait to release a call when that call was rejected due to congestion. This parametereffectively prevents the machine congestion level from escalating due to rapid repeated call attempts byequipment that does not support congestion detection. Must be 0-5 (seconds), default is 0. A value of 0disables this timer.If this value is nonzero, the timer is started when a call is rejected due to congestion. When the timer expires, the network release is sent and the call resources are deallocated. If a network release is received during the delay, the timer is stopped and the call resources are deallocated.	N/A	N/A	S	O
LDC_TIMEOUT	Specifies the timeout value of the Long Duration Call (LDC) timer in minutes	N/A	N/A	S	O
LDC_ACTION	Specifies the action to take if the Long Duration Call (LDC) timer expires. The call may be released, a SNMP trap may be generated, or both	N/A	N/A	S	O
LDC_RELEASE_ CAUSE	Specifies the GSX disconnect reason used to release the call if the call is released due to Long Duration Call (LDC) timer expiry.	N/A	N/A	S	O
LDC_EMERGENCY_ CALLS	Specifies whether emergency calls should be excluded from, or included in Long Duration Call (LDC) disconnect procedures	N/A	N/A	S	O
NODE_IDENTITY	Specifies whether to generate an Application Transport Mechanism (APM) message with Charging Tariff (CRGT) data in response to an IAM for this service group	N/A	N/A	S	O

Table 2–126 (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-CONF

Parameter Name	Description	Range	Default Value	Type	Class
LOCATION_REL42	Specifies an updated Cause Indicator Location Value to set in the ISUP REL message sent to the ingress network for release cause 42 Switching equipment congestion	N/A	N/A	S	O
LOCATION_REL34	Specifies an updated Cause Indicator Location Value to set in the ISUP REL message sent to the ingress network for Release Cause 34 No circuit/channel available	N/A	N/A	S	O
LOCATION_REL	Specifies the Cause Indicator Location Value to set in ACM/CPG or REL messages when the GSX internally releases the call.	N/A	N/A	S	O
TANDEM_LIMIT_COUNTER	Specifies a Limit Counter to be set in an outgoing IAM when a TANDEMCALLCOUNTER parameter is not received.	N/A	N/A	S	O
DEL_IXC_TC_CODE	Specifies whether to prevent (delete) transit carrier (TC) or inter-exchange carrier (IXC) sub-parameters from being sent in the carrier information transfer (CIT) parameter.	N/A	N/A	S	O
SKIP_CB_PROFILE	The index number of the SKIP CRANKBACK PROFILE to use with this ISUP service group.	N/A	N/A	S	O
CHARGE_AREA	Specifies the 5-digit Terminating Charge Area value. The Charge Area is set in the ACM or CPG message if a script is returned from the PSX or for a Disconnect Treatment Profile.	N/A	N/A	S	O

MML commands

MML Syntax :

```
 CONFIGURE ISUP SERVICE isname ..
DPC dpc
TRUNK GROUP tgname
REVISION revision
HUNT hdirection
COST cost
CONTROL cicControl
CONTFREQ continuityTestFreq
PROFILENAME profilename
HOPCOUNTSTATE hopcountstat
HOPCOUNTVALUE hopcountval
DISCONNECT TREATMENT PROFILE dtprofile
TONE PACKAGE tonepkg
GRSATSTARTUP grsatstartup
SEQUENTIAL GRS sequentialgrs
INSPECTION TIME insptime
INSPECTION FREQUENCY inspfreq
INSPECTION STATE inspstate
```

```
            SIGNALING PROFILE sigprofilename
            OLIPCHECK olipcheck
            INR INF PROFILE inrfprof
            CLLI TOWN CODE cllitown
            CLLI STATE CODE cllistate
            CLLI BUILDING CODE cllibldg
            CLLI BUILDING SUB DIVISION CODE cllibldgsd
            CLUSTER ROUTING clusrouting
            SENDINGOLIPCHECK sendingolipchk
            MINIMUM DIGITS FOR SENDING DS QUERY mindsqdigits
            CONFIRMATION TONE conftone
            CONFIRMATION TONE NONE
            CONFIRMATION TONE OVERRIDE conftoneover
            ANSWER SUPERVISION TIMEOUT anssupvtimeout
            ANSWER SUPERVISION TIMEOUT ACTION anssupvtimeoact
            CUT THROUGH OVERRIDE ACM RECEIVED WITH BCI INTERWORKING ..
            cutthruoverride
            CRANKBACK PROFILE cbprofno
            SKIP CRANKBACK PROFILE skipcbprofile
            CONGESTION RELEASE TIMEOUT cgrtimeout
            MESSAGE THROTTLING mssgthrottling
            MESSAGE THROTTLING TIMER mssgthrottlingtimer
            CALLSPERSEGMENT callspersegment
            INTERSEGMENTTIMER intersegtimer
            LDC TIMEOUT timeout
            LDC ACTION action
            LDC RELEASE CAUSE relcause
            LDC EMERGENCY CALLS emergencyCalls
            MESSAGE PRIORITY RESET messagereset
            LOOKAHEADFORBUSY lkaheadforbusy
            NETWORK IDENTITY networkid
            CHARGE AREA chargearea
            LOCATION OF REL locationrel
            CHARGE AREA chargearea
            NODE IDENTITY node_identity
            LOCATION OF REL locationrel
            LOCATION OF REL34 location_rel34
            LOCATION OF REL42 location_rel42
            TANDEM LIMIT COUNTER tandemlimitcount
            DELETE IXC TC CODE delixccode
```

A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-CONF-RB

Rolls back modifications to the ISUP Service Configuration. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningISUP.modISUPServiceRb.**

Table 2–127   A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
OLD_PROFILENAME	The previous name of the ISUP service profile that you are applying to this ISUP service.	N/A	N/A	S	O

Table 2–127 (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_SIGNALING_ PROFILE	The previous name of the ISUP signaling profile that you are applying to this ISUP service.	N/A	N/A	S	O
OLD_TRUNK_GROUP	The previous name of the trunk group to which this ISUP service belongs.	N/A	N/A	S	O
OLD_DPC	The previous destination point code of the central office switch that this service is connected to.	N/A	N/A	S	O
OLD_REVISION	The previous ISUP protocol revision that will be supported for this ISUP service.	N/A	N/A	S	O
OLD_HUNT	The previous hunt algorithm for choosing a specific CIC within a trunk group. This algorithm must complement the one that is in effect at the central office switch.	N/A	N/A	S	O
OLD_COST	The previous relative cost of using the CICs configured in this service. Must be 0-100. A value of 100 represents the highest possible cost.	N/A	N/A	S	O
OLD_CONTROL	The previous set of CICs controlled by this GSX for the sake of resolving dual-seizure scenarios. Additionally, if the HUNT parameter is set to mostnleastidle, a CIC search algorithm is also implied.	N/A	N/A	S	O
OLD_CONTFREQ	The previous frequency with which Continuity Tests will be performed on each ISUP Service Group circuit. Must be 0-16.	N/A	N/A	S	O
OLD_ HOPCOUNTVALUE	The previous initial Hop Counter value to use (if hopcountstat is enabled). Must be 10-32.	N/A	N/A	S	O
OLD_ HOPCOUNTSTATE	The previous state of Hop Counting procedures for this service group.	N/A	N/A	S	O
OLD_DISCONNECT_ TREATMENT_ PROFILE	The previous name of a Disconnect Treatment Profile that will be used to map a disconnect reason code to a Disconnect Signaling Sequence Profile (SSP) for the ISUP service.	N/A	N/A	S	O
OLD_TONE_ PACKAGE	The previous name of a tone package to be used by the ISUP service.	N/A	N/A	S	O
OLD_ GRSATSTARTUP	Specifies whether it was previously required to issue reset messages to all circuits in this service group when a CNS module is started or restarted.	N/A	N/A	S	O

Table 2–127   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_INSPECTION_TIME	The previous inspection time, specified in date-time format. The INSPECTION parameters provide a way to set up automatic regular testing and synchronization of call and maintenance states on all circuits in the ISUP service group.	N/A	N/A	S	O
OLD_INSPECTION_FREQUENCY	The previous default inspection frequency is once per day. The date-time for each inspection is calculated from the initial INSPECTION TIME, so that correct frequency and timing is maintained even if the GSX has been rebooted.	N/A	N/A	S	O
OLD_INSPECTION_STATE	The previous occurrence of circuit inspections off or on. Valid values: disabled or enabled.	N/A	N/A	S	O
OLD_OLIPCHECK	When a call with a Charge Number and a Calling Party Number arrives, by default the GSX checks for Originating Line Information Parameters (OLIP) and rejects the call if they are not present. Valid values: on (check for OLIP), off (don't check for OLIP).	N/A	N/A	S	O
OLD_INR_INF_PROFILE	The previous name of the INR INF profile used by this ISUP service. This name is identical to the name of the ISUP signaling profile used by this ISUP service.	N/A	N/A	S	O
OLD_CLLI_TOWN_CODE	The previous town code to be used in the CLLI parameter for ANSI GR317 circuit validation test failure. Must be a four character string, default is 0000.	N/A	N/A	S	O
OLD_CLLI_STATE_CODE	The previous state code to be used in the CLLI parameter for ANSI GR317 circuit validation test failure. Must be a two character string, default is 00.	N/A	N/A	S	O
OLD_CLLI_BUILDING_CODE	The previous building code to be used in the CLLI parameter for ANSI GR317 circuit validation test failure. Must be a two character string, default is 00.	N/A	N/A	S	O
OLD_CLLI_BUILDING_SUB_DIVISION_CODE	The previous building subdivision code to be used in the CLLI parameter for ANSI GR317 circuit validation test failure. Must be a three character string, default is 000.	N/A	N/A	S	O
OLD_CLUSTER_ROUTING	Specifies whether this DPC was previously set to support cluster routing (also known as member routing). Valid values: unsupported or supported.	N/A	N/A	S	O

Table 2–127   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_ SENDINGOLIPCHECK	When a call with a Charge Number and a Calling Party Number is sent, by default the GSX checks for Originating Line Information Parameters (OLIP) and rejects the call if they are not present. This parameter turns OLIP checking off for certain switches that do not supply OLIP information to such calls.	N/A	N/A	S	O
OLD_MINIMUM_ DIGITS_FOR_ SENDING_DS_QUERY	The previous minimum number of CalledAddress digits to collect before attempting a route query, when overlap addressing is supported and CalledAddress receive is not complete. Must be 0-30, default is 0 (digits).	N/A	N/A	S	O
OLD_ CONFIRMATION_ TONE	THe previous confirmation tone to play when the ISUP call is answered (prior to media cut through). The confirmation tone must be configured as part of the ISUP service group's TONE PACKAGE. A confirmation tone is typically used by a calling PBX to begin billing.	N/A	N/A	S	O
OLD_ CONFTONEOVER	Specifies support for subscriber-level confirmation tone: suppported - a confirmation tone plays for all ingress calls: unsupported - use the Calling Party Subscriber screen on the PSX to activate the confirmation tone.	N/A	N/A	S	O
OLD_ ANSSUPVTIMEOUT	When answer supervision is enabled, specifies the timeout period, in seconds, from the egress receiving the first backwards message from the called party exchange (Call Proceeding, Alerting, Call Progress) until the call is answered.	N/A	N/A	S	O
OLD_ ANSSUPVTIMEOACT	Specifies the action to take if the answer supervision timer expires (i.e. no signaled answer is received): release - release the call: softanswer - answer the call.	N/A	N/A	S	O
OLD_ CUTTHRUOVERRIDE	Specifies whether to override the protocol-specific cut through direction when the ACM is receivedwith a backward call indicator (BCI) of Interworking Encountered: unsupported - no override will occurl: backwardscutthru - perform backwards cut through: fullduplexcutthru - perform a full duplex cut through: nocutthru - perform no cut through	N/A	N/A	S	O

Table 2–127 (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_ SEQUENTIALGRS	Specifies whether to issue the Circuit Group ResetMessage (GRS) in parallel or sequentially to the circuits. unsupported - Issue the reset messages in parallelon the circuits. supported - Reset all circuits by sequentiallyissuing GRS one at a time per remote point code.This may be necessary for inter-working with carrierswho become congested or overloaded whenprocessing large numbers of GRS messages at once.	N/A	N/A	S	O
OLD_CBPROFNO	The index number of the CRANKBACK PROFILE to use with this ISUP service group. This must specify a valid Call Crankback profile index, in the range 1-10. The default is 1, or Call Crankback Profile default.	N/A	N/A	S	O
OLD_CGRTIMEOUT	The time (in seconds) to wait to release a call when that call was rejected due to congestion. This parametereffectively prevents the machine congestion level from escalating due to rapid repeated call attempts byequipment that does not support congestion detection. Must be 0-5 (seconds), default is 0. A value of 0disables this timer.If this value is nonzero, the timer is started when a call is rejected due to congestion. When the timer expires, the network release is sent and the call resources are deallocated. If a network release is received during the delay, the timer is stopped and the call resources are deallocated.	N/A	N/A	S	O
OLD_LDC_TIMEOUT	Specifies the timeout value of the Long Duration Call (LDC) timer in minutes	N/A	N/A	S	O
OLD_LDC_ACTION	Specifies the action to take if the Long Duration Call (LDC) timer expires. The call may be released, a SNMP trap may be generated, or both	N/A	N/A	S	O
OLD_LDC_RELEASE_ CAUSE	Specifies the GSX disconnect reason used to release the call if the call is released due to Long Duration Call (LDC) timer expiry.	N/A	N/A	S	O
OLD_LDC_ EMERGENCY_CALLS	Specifies whether emergency calls should be excluded from, or included in Long Duration Call (LDC) disconnect procedures	N/A	N/A	S	O
OLD_NODE_ IDENTITY	Specifies whether to generate an Application Transport Mechanism (APM) message with Charging Tariff (CRGT) data in response to an IAM for this service group	N/A	N/A	S	O

Table 2–127   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_LOCATION_ REL42	Specifies an updated Cause Indicator Location Value to set in the ISUP REL message sent to the ingress network for release cause 42,Switching equipment congestion	N/A	N/A	S	O
OLD_LOCATION_ REL34	Specifies an updated Cause Indicator Location Value to set in the ISUP REL message sent to the ingress network for Release Cause 34,No circuit/channel available	N/A	N/A	S	O
OLD_LOCATION_REL	Specifies the Cause Indicator Location Value to set in ACM/CPG or REL messages when the GSX internally releases the call.	N/A	N/A	S	O
OLD_TANDEM_ LIMIT_COUNTER	Specifies a Limit Counter to be set in an outgoing IAM when a TANDEMCALLCOUNTER parameter is not received.	N/A	N/A	S	O
OLD_DEL_IXC_TC_ CODE	Specifies whether to prevent (delete) transit carrier (TC) or inter-exchange carrier (IXC) sub-parameters from being sent in the carrier information transfer (CIT) parameter.	N/A	N/A	S	O
OLD_SKIP_CB_ PROFILE	The index number of the SKIP CRANKBACK PROFILE to use with this ISUP service group.	N/A	N/A	S	O
OLD_CHARGE_AREA	Specifies the 5-digit Terminating Charge Area value. The Charge Area is set in the ACM or CPG message if a script is returned from the PSX or for a Disconnect Treatment Profile.	N/A	N/A	S	O

MML commands

MML Syntax :

```
 CONFIGURE ISUP SERVICE isname ..
DPC dpc
TRUNK GROUP tgname
REVISION revision
HUNT hdirection
COST cost
CONTROL cicControl
CONTFREQ continuityTestFreq
PROFILENAME profilename
HOPCOUNTSTATE hopcountstat
HOPCOUNTVALUE hopcountval
DISCONNECT TREATMENT PROFILE dtprofile
TONE PACKAGE tonepkg
GRSATSTARTUP grsatstartup
SEQUENTIAL GRS sequentialgrs
INSPECTION TIME insptime
INSPECTION FREQUENCY inspfreq
INSPECTION STATE inspstate
```

```
SIGNALING PROFILE sigprofilename
OLIPCHECK olipcheck
INR INF PROFILE inrfprof
CLLI TOWN CODE cllitown
CLLI STATE CODE cllistate
CLLI BUILDING CODE cllibldg
CLLI BUILDING SUB DIVISION CODE cllibldgsd
CLUSTER ROUTING clusrouting
SENDINGOLIPCHECK sendingolipchk
MINIMUM DIGITS FOR SENDING DS QUERY mindsqdigits
CONFIRMATION TONE conftone
CONFIRMATION TONE NONE
CONFIRMATION TONE OVERRIDE conftoneover
ANSWER SUPERVISION TIMEOUT anssupvtimeout
ANSWER SUPERVISION TIMEOUT ACTION anssupvtimeoact
CUT THROUGH OVERRIDE ACM RECEIVED WITH BCI INTERWORKING ..
cutthruoverride
CRANKBACK PROFILE cbprofno
SKIP CRANKBACK PROFILE skipcbprofile
CONGESTION RELEASE TIMEOUT cgrtimeout
MESSAGE THROTTLING mssgthrottling
MESSAGE THROTTLING TIMER mssgthrottlingtimer
CALLSPERSEGMENT callspersegment
INTERSEGMENTTIMER intersegtimer
LDC TIMEOUT timeout
LDC ACTION action
LDC RELEASE CAUSE relcause
LDC EMERGENCY CALLS emergencyCalls
MESSAGE PRIORITY RESET messagereset
LOOKAHEADFORBUSY lkaheadforbusy
NETWORK IDENTITY networkid
CHARGE AREA chargearea
LOCATION OF REL locationrel
CHARGE AREA chargearea
NODE IDENTITY node_identity
LOCATION OF REL locationrel
LOCATION OF REL34 location_rel34
LOCATION OF REL42 location_rel42
TANDEM LIMIT COUNTER tandemlimitcount
DELETE IXC TC CODE delixccode
```

Output Parameters

GSX_MOD_ISUP_CIRCUIT_CONF_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM

GSX_MOD_ISUP_CIRCUIT_CONF_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-GROUP

Modifies the ISUP service group. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISUP.modISUPServiceGroup.**

Table 2–128   A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
GROUP	A wild-card means of blocking or unblocking all of the underlying ISUP circuits in the service group. Valid values: blocked, unblocked, reset.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE ISUP SERVICE isname ..
GROUP group
ACTION action
TIMEOUT timeout
```

Output Parameters

GSX_MOD_ISUP_SERVICE_GROUP_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISUP_SERVICE_GROUP_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-GROUP-RB

Rolls back the modification of the ISUP Service Group. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISUP.modISUPServiceGroupRb.**

Table 2–129   A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-GROUP-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
OLD_ACTION	The previous method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
OLD_TIMEOUT	The previous time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
OLD_GROUP	The previous wild-card means of blocking or unblocking all of the underlying ISUP circuits in the service group. Valid values: blocked, unblocked, reset.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE ISUP SERVICE isname ..
GROUP group
ACTION action
TIMEOUT timeout
```

Output Parameters

GSX_MOD_ISUP_SERVICE_GROUP_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISUP_SERVICE_GROUP_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-MODE

Modifies the operational state to inservice or outOfService. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningISUP.modISUPServiceMode.**

Table 2–130   A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
ISUP_MODE	The operational state of the server module in the GSX chassis. Valid values: inservice (Active), outofservice (Not active, able to put into disabled administrative state).	N/A	N/A	S	R
ISUP_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
ISUP_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISUP SERVICE isname ..
MODE oper-state
ACTION action
TIMEOUT timeout
```

Output Parameters

GSX_MOD_ISUP_SERVICE_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISUP_SERVICE_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-MODE-RB

Rolls back the modification of the operational state. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningISUP.modISUPServiceModeRb.**

Table 2–131   A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-MODE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
OLD_ISUP_MODE	The previous operational state of the server module in the GSX chassis. Valid values: inservice (Active), outofservice (Not active, able to put into disabled administrative state).	N/A	N/A	S	O
OLD_ISUP_ACTION	The previous method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup)all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
OLD_ISUP_TIMEOUT	The previous time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISUP SERVICE isname ..
MODE oper-state
ACTION action
TIMEOUT timeout
```

Output Parameters

GSX_MOD_ISUP_SERVICE_MODE_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISUP_SERVICE_MODE_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-STATE

Modifies the administrative state to enabled or disabled. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISUP.modISUPServiceState.**

Table 2–132   A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
ISUP_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE ISUP SERVICE isname STATE admin-state
```

Output Parameters

GSX_MOD_ISUP_SERVICE_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISUP_SERVICE_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-STATE-RB

Rolls back the modification of the administrative state. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISUP.modISUPServiceStateRb.**

Table 2–133   A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-STATE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
OLD_ISUP_STATE	The previous administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	O
ISUP_STATE	The previous administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE ISUP SERVICE isname STATE admin-state
```

Output Parameters

GSX_MOD_ISUP_SERVICE_STATE_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_ISUP_SERVICE_STATE_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM.

A_SONUS-GSX9000_7-3-X_MOD_SERVER-MODE

Modifies the operational state to outOfService or inService. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningServer.modServerMode.**

Table 2–134   A_SONUS-GSX9000_7-3-X_MOD_SERVER-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	R
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	R
SERVER_MODE	The operational state of the server module in the GSX chassis: inservice (Active) or outofservice (not active, able to put into disabled administrative state).	N/A	N/A	S	O
CORE_DUMP	The action to be taken when a fatal software fault is detected in the module. Values: disabled or enabled (perform core dump, then reboot).	N/A	N/A	S	O
SERVER_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE SERVER SHELF shelfnumber ..
SLOT slotnumber
CORE DUMP cdump-state
MODE oper-state
ACTION action

NOTE: You can either provide CORE DUMP or MODE value when you are provisioning
this MML command.
When both CORE DUMP and MODE are present, CORE DUMP will be given precedence and
MODE will be ingnored in the MML.
To configure MODE, avoid CORE DUMP parameter in the Work Order.If MODE is
outOfService, ACTION parameter is mandatory.
```

Output Parameters

GSX_MOD_SERVER_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM

GSX_MOD_SERVER_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_SERVER-MODE-RB

Rolls back the modification to the operational state. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningServer.modServerModeRb.**

Table 2–135   A_SONUS-GSX9000_7-3-X_MOD_SERVER-MODE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	R
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	R
OLD_SERVER_MODE	The previous operational state of the server module in the GSX chassis: inservice (Active) or outofservice (Not active, able to put into disabled administrative state).	N/A	N/A	S	O
OLD_CORE_DUMP	The previous action to be taken when a fatal software fault is detected in the module. Values: disabled or enabled (perform core dump, then reboot).	N/A	N/A	S	O
OLD_SERVER_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE SERVER SHELF shelfnumber ..
SLOT slotnumber
CORE DUMP cdump-state
MODE oper-state
ACTION action

Note: You can either provide CORE DUMP or MODE value when you are provisioning
this MML command.
```

```
ACTION is mandatory if MODE is outOfService.
```

Output Parameters

GSX_MOD_SERVER_MODE_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_SERVER_MODE_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_SERVER-STATE

Modifies the Administrative state to enabled or disabled. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningServer.modServerState.**

Table 2–136   A_SONUS-GSX9000_7-3-X_MOD_SERVER-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	R
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	R
SERVER_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE SERVER SHELF shelfnumber ..
SLOT slotnumber
STATE admin-state
```

Output Parameters

GSX_MOD_SERVER_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_SERVER_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_SERVER-STATE-RB

Rolls back the modification to the administrative state. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningServer.modServerStateRb.**

Table 2–137   A_SONUS-GSX9000_7-3-X_MOD_SERVER-STATE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	R
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	R
SERVER_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	O
OLD_SERVER_STATE	The previous administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE SERVER SHELF shelfnumber ..
SLOT slotnumber
STATE admin-state
```

Output Parameters

GSX_MOD_SERVER_STATE_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_SERVER_STATE_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-IDLECODE

Modify T1 channel configuration IDLECODE option. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningT1Channel.modT1ChannelIdlecode.**

Table 2–138   A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-IDLECODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration.	N/A	N/A	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O

Table 2–138   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-IDLECODE

Parameter Name	Description	Range	Default Value	Type	Class
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1CHANNEL	T1 Channel number or T1 Channel range.	N/A	N/A	S	R
T1_CHANNEL_IDLECODE	This value is inserted in an idle channel. Must be 0-255. The value should be in Hex format (0xN, example 0x7F for 127).	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE T1 <T1NAME> CHANNEL <T1CHANNEL> IDLECODE <T1_CHANNEL_IDLECODE>
```

Output Parameters

GSX_MOD_T1_CHANNEL_IDLECODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_T1_CHANNEL_IDLECODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-IDLECODE-RB

Rollback for Modify T1 channel configuration IDLECODE option. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningT1Channel.modT1ChannelIdlecodeRB.**

Table 2–139   A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-IDLECODE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration.	N/A	N/A	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O

Table 2–139   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-IDLECODE-RB

Parameter Name	Description	Range	Default Value	Type	Class
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1CHANNEL	T1 Channel number or T1 Channel range.	N/A	N/A	S	R
OLD_T1_CHANNEL_IDLECODE	This value is inserted in an idle channel. Must be 0-255. The value should be in Hex format (0xN, example 0x7F for 127).	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE T1 <T1NAME> CHANNEL <T1CHANNEL> IDLECODE <OLD_T1_CHANNEL_IDLECODE>

Note: Rollback of Modify Channel Config "IDLECODE" option will not work properly
with channel range.
```

Output Parameters

GSX_MOD_T1_CHANNEL_IDLECODE_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_T1_CHANNEL_IDLECODE_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM.

A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-LOOPBACK

Modify T1 channel configuration LOOPBACK option. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningT1Channel.modT1ChannelLoopback.**

Table 2–140   A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-LOOPBACK

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration.	N/A	N/A	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1CHANNEL	T1 Channel number or T1 Channel range.	N/A	N/A	S	R
T1_CHANNEL_ LOOPBACK	The type channel loopback.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE T1 <T1NAME> CHANNEL <T1CHANNEL> LOOPBACK <T1_CHANNEL_LOOPBACK>
```

Output Parameters

GSX_MOD_T1_CHANNEL_LOOPBACK_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_T1_CHANNEL_LOOPBACK_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-LOOPBACK-RB

Rollback for Modify T1 channel configuration LOOPBACK option. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningT1Channel.modT1ChannelLoopbackRB.**

Table 2–141   A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-LOOPBACK-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration.	N/A	N/A	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1CHANNEL	T1 Channel number or T1 Channel range.	N/A	N/A	S	R
OLD_T1_CHANNEL_ LOOPBACK	The type of channel loopback.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE T1 <T1NAME> CHANNEL <T1CHANNEL> LOOPBACK <OLD_T1_CHANNEL_LOOPBACK>

Note: Rollback of Modify Chnnel Config "LOOPBACK" option will not work properly
with channel range.
```

Output Parameters

GSX_MOD_T1_CHANNEL_LOOPBACK_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_T1_CHANNEL_LOOPBACK_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-MODE

Modify T1 channel configuration MODE option. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningT1Channel.modT1ChannelMode.**

Table 2–142   A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration.	N/A	N/A	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1CHANNEL	T1 Channel number or T1 Channel range.	N/A	N/A	S	R
T1_CHANNEL_MODE	The operational state of the server module in the GSX chassis. Values are: inservice (Active), outofservice (Not active, able to put into disabled administrative state).	N/A	N/A	S	R
T1_CHANNEL_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Values are dryup (all active calls are allowed to complete until the timeout interval expires), force (all calls are dropped immediately).	N/A	N/A	S	O
T1_CHANNEL_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE T1 <T1NAME> CHANNEL <T1CHANNEL> MODE <T1_CHANNEL_MOD>
CONFIGURE T1 <T1NAME> CHANNEL <T1CHANNEL> MODE <T1_CHANNEL_MOD> ACTION <T1_
CHANNEL_ACTION>
CONFIGURE T1 <T1NAME> CHANNEL <T1CHANNEL> MODE <T1_CHANNEL_MOD> ACTION <T1_
CHANNEL_ACTION> TIMEOUT <T1_CHANNEL_TIMEOUT>
```

Output Parameters

GSX_MOD_T1_CHANNEL_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_T1_CHANNEL_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-MODE-RB

Rollback for Modify T1 channel configuration MODE option. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningT1Channel.modT1ChannelModeRB.**

Table 2–143   A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-MODE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration.	N/A	N/A	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1CHANNEL	T1 Channel number or T1 Channel range.	N/A	N/A	S	R

Table 2–143   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-MODE-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_T1_CHANNEL_ MODE	The operational state of the server module in the GSX chassis. Values are: inservice (Active), outofservice (Not active, able to put into disabled administrative state).	N/A	N/A	S	R
OLD_T1_CHANNEL_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Values are dryup (all active calls are allowed to complete until the timeout interval expires), force (all calls are dropped immediately).	N/A	N/A	S	O
OLD_T1_CHANNEL_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE T1 <T1NAME> CHANNEL <T1CHANNEL> MODE <OLD_T1_CHANNEL_MOD>
CONFIGURE T1 <T1NAME> CHANNEL <T1CHANNEL> MODE <OLD_T1_CHANNEL_MOD> ACTION <OLD_
T1_CHANNEL_ACTION>
CONFIGURE T1 <T1NAME> CHANNEL <T1CHANNEL> MODE <OLD_T1_CHANNEL_MOD> ACTION <OLD_
T1_CHANNEL_ACTION> TIMEOUT <OLD_T1_CHANNEL_TIMEOUT>


Note: Rollback of Modify Channel Config "MODE" option will not work properly with
channel range.
```

Output Parameters

GSX_MOD_T1_CHANNEL_MODE_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_T1_CHANNEL_MODE_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-TONE

Modify T1 channel configuration TONE option. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningT1Channel.modT1ChannelTone.**

Table 2–144   A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-TONE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration.	N/A	N/A	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1CHANNEL	T1 Channel number or T1 Channel range.	N/A	N/A	S	R
T1_CHANNEL_TONE	Specifies whether call progress tones are provided by the far end switch on egress calls.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE T1 <T1NAME> CHANNEL <T1CHANNEL> TONE <T1_CHANNEL_TONE>
```

Output Parameters

GSX_MOD_T1_CHANNEL_TONE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_T1_CHANNEL_TONE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-TONE-RB

Rollback for Modify T1 channel configuration TONE option. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningT1Channel.modT1ChannelToneRB.**

Table 2–145   A_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-TONE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration.	N/A	N/A	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1CHANNEL	T1 Channel number or T1 Channel range.	N/A	N/A	S	R
OLD_T1_CHANNEL_TONE	Specifies whether call progress tones are provided by the far end switch on egress calls.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE T1 <T1NAME> CHANNEL <T1CHANNEL> TONE <OLD_T1_CHANNEL_TONE>

Note: Rollback of Modify Channel Config "TONE" option will not work properly with
channel range.
```

Output Parameters

GSX_MOD_T1_CHANNEL_TONE_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_T1_CHANNEL_TONE_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_T1-CIRCUIT

Modifies a T1 circuit that is supported by a Circuit Network Server on the GSX. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningT1Circuit.modT1Circuit.**

Table 2–146   A_SONUS-GSX9000_7-3-X_MOD_T1-CIRCUIT

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port Number; always 1 for CNS30/CNS31, or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
PROFILE	The name of the profile to be applied to this T1 object.	N/A	N/A	S	O
BUILDOUT	The length of T1 wire that must be driven, expressed in increments of 110 feet. This is the length between the GSX and a repeater or patch panel.	N/A	N/A	S	O
LINETYPE	The frame format used on the T1: ESF, D4.	N/A	N/A	S	O
CODING	The T1 line coding: AMI, B8ZS. Note that this parameter is not accessible on spans that belong to a T3 circuit.	N/A	N/A	S	O
SIGNALING	Signaling used for this T1: none, robbedBit. In-band signaling achieved by stealing bits from the speech path; required by CAS services.	N/A	N/A	S	O
IDLECODE	This value is inserted in an idle channel. Must be 0-255, default is 127 (0x7F).	N/A	N/A	S	O
AVAILABLE_ CHANNELS	The set of available channels for this T1. Maximum range is 1-24, default is 1-24 (a full T1). Any discrete set of channels within this range may be specified.	N/A	N/A	S	O

Table 2–146 (Cont.) A_SONUS-GSX9000_7-3-X_MOD_T1-CIRCUIT

Parameter Name	Description	Range	Default Value	Type	Class
ZEROSUPPRESSION	Specifies the zero suppression control to be appliedon this T1 span values: none, jamBit8, signalFrameOnlyJamBit8, gteZeroSuppression, bellZeroSuppression	N/A	N/A	S	O
ECHO_PROFILE	The name of an echo canceller profile to be applied to this T1 circuit.	N/A	N/A	S	O
CIRCUIT_ID	The name of the circuit ID.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE T1 t1name ..
PROFILE t1profile
BUILDOUT buildout
LINETYPE linetype
CODING coding
IDLECODE idlecode
SIGNALING signaling
AVAILABLE CHANNELS avchannels
ZEROSUPPRESSION zerosup
ECHO PROFILE ecprofile
CIRCUIT ID circuitid
```

Output Parameters

GSX_MOD_T1_CIRCUIT_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_T1_CIRCUIT_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_T1-CIRCUIT-MODE

Modifies the operational state to outOfService or inService. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningT1Circuit.modT1CircuitMode.**

Table 2–147 A_SONUS-GSX9000_7-3-X_MOD_T1-CIRCUIT-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O

Table 2–147   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_T1-CIRCUIT-MODE

Parameter Name	Description	Range	Default Value	Type	Class
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1_CIRCUIT_MODE	The operational state of the server module in the GSX chassis. Values are: inservice (Active), outofservice (Not active, able to put into disabled administrative state).	N/A	inService	S	O
T1_CIRCUIT_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Values are dryup (all active calls are allowed to complete until the timeout interval expires), force (all calls are dropped immediately).	N/A	N/A	S	O
T1_CIRCUIT_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE T1 t1name MODE oper-state ..
ACTION action TIMEOUT timeout
```

Output Parameters

GSX_MOD_T1_CIRCUIT_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_T1_CIRCUIT_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_T1-CIRCUIT-MODE-RB

Rolls back the modification of the Operational state to outOfService or inService. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningT1Circuit.modT1CircuitModeRb.**

Table 2–148   A_SONUS-GSX9000_7-3-X_MOD_T1-CIRCUIT-MODE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, shn is the shelf, sln is the slot, and spn is the span number (1-12).For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
OLD_T1_CIRCUIT_MODE	The previous operational state of the server module in the GSX chassis. Values are: inservice (Active), outofservice (Not active, able to put into disabled administrative state).	N/A	N/A	S	O
OLD_T1_CIRCUIT_ACTION	The previous method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Values are: dryup (all active calls are allowed to complete until the timeout interval expires), force (all calls are dropped immediately).	N/A	N/A	S	O
OLD_T1_CIRCUIT_TIMEOUT	The previous time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE T1 t1name ..
PROFILE t1profile
BUILDOUT buildout
LINETYPE linetype
CODING coding
SIGNALING signaling
```

```
IDLECODE idlecode
AVAILABLE CHANNELS avchannels
ZEROSUPPRESSION zerosup
ECHO PROFILE ecprofile
CIRCUIT ID circuited
```

Output Parameters

GSX_MOD_T1_CIRCUIT_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_T1_CIRCUIT_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_T1-CIRCUIT-RB

Rolls back the modification of a T1 circuit that is supported by a Circuit Network Server on the GSX. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningT1Circuit.modT1CircuitRb.**

Table 2–149   A_SONUS-GSX9000_7-3-X_MOD_T1-CIRCUIT-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
OLD_PROFILE	The previous name of the profile to be applied to this T1object.	N/A	N/A	S	O
OLD_BUILDOUT	The previous length of T1 wire that must be driven, expressed in increments of 110 feet. This is the length between the GSX and a repeater or patch panel.	N/A	N/A	S	O
OLD_LINETYPE	The previous frame format used on the T1: ESF, D4.	N/A	N/A	S	O

Table 2–149   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_T1-CIRCUIT-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_CODING	The previous T1 line coding: AMI, B8ZS. Note that this parameter is not accessible on spans that belong to a T3 circuit.	N/A	N/A	S	O
OLD_SIGNALING	The previous signaling used for this T1: none, robbedBit. In-band signaling achieved by stealing bits from the speech path; required by CAS services.	N/A	N/A	S	O
OLD_IDLECODE	The previous value inserted in an idle channel. Must be 0-255, default is 127 (0x7F).	N/A	N/A	S	O
OLD_AVAILABLE_ CHANNELS	The previous set of available channels for this T1. Maximum range is 1-24, default is 1-24 (a full T1). Any discrete set of channels within this range may be specified as discussed below.	N/A	N/A	S	O
OLD_ ZEROSUPPRESSION	The previous zero suppression control to be applied on this T1 span values: none, jamBit8, signalFrameOnlyJamBit8, gteZeroSuppression, bellZeroSuppression.	N/A	N/A	S	O
OLD_ECHO_PROFILE	The previous name of an echo canceller profile to be applied to this T1 circuit.	N/A	N/A	S	O
OLD_CIRCUIT_ID	The previous name of the circuit ID.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE T1 t1name ..
PROFILE t1profile
BUILDOUT buildout
LINETYPE linetype
CODING coding
IDLECODE idlecode
SIGNALING signaling
AVAILABLE CHANNELS avchannels
ZEROSUPPRESSION zerosup
ECHO PROFILE ecprofile
CIRCUIT ID circuited
```

Output Parameters

GSX_MOD_T1_CIRCUIT_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_T1_CIRCUIT_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_T1-CIRCUIT-STATE

Modifies the administrative state to enabled or disabled. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningT1Circuit.modT1CircuitState.**

Table 2–150   A_SONUS-GSX9000_7-3-X_MOD_T1-CIRCUIT-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1_CIRCUIT_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	enabled	S	R

MML commands

MML Syntax :

```
CONFIGURE T1 t1name STATE admin-state
```

Output Parameters

GSX_MOD_T1_CIRCUIT_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_T1_CIRCUIT_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM.

A_SONUS-GSX9000_7-3-X_MOD_T1-CIRCUIT-STATE-RB

Rolls back modifications to the administrative state. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningT1Circuit.modT1CircuitStateRb.**

Table 2–151   A_SONUS-GSX9000_7-3-X_MOD_T1-CIRCUIT-STATE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
OLD_T1_CIRCUIT_ STATE	The previous administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	O
T1_CIRCUIT_STATE	The previous administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	enabled	S	O

MML commands

MML Syntax :

```
CONFIGURE T1 t1name STATE admin-state
```

Output Parameters

GSX_MOD_T1_CIRCUIT_STATE_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_T1_CIRCUIT_STATE_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_T1-LOCAL-LOOPBACK

Modifies the T1 local loopback type. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningT1Circuit.modT1LocalLoopback.**

Table 2–152   A_SONUS-GSX9000_7-3-X_MOD_T1-LOCAL-LOOPBACK

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
T1NAME	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
SPAN	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1_PORT	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
NEAREND	The type of local loopback: noloop, payloadloop, lineloop, inwardloop, dualloop.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE T1 t1name LOOPBACK NEAREND nearend
```

Output Parameters

GSX_MOD_T1_LOCAL_LOOPBACK_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_T1_LOCAL_LOOPBACK_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_T1-LOCAL-LOOPBACK-RB

Rolls back modifications to the T1 local loopback type. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningT1Circuit.modT1LocalLoopbackRb.**

Table 2–153   A_SONUS-GSX9000_7-3-X_MOD_T1-LOCAL-LOOPBACK-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
OLD_NEAREND	The previous type of local loopback: noloop, payloadloop, lineloop, inwardloop, dualloop.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE T1 t1name LOOPBACK NEAREND nearend
```

Output Parameters

GSX_MOD_T1_LOCAL_LOOPBACK_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_T1_LOCAL_LOOPBACK_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_T1-REMOTE-LOOPBACK

Modifies the T1 remote loopback type. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningT1Circuit.modT1RemoteLoopback.**

Table 2–154   A_SONUS-GSX9000_7-3-X_MOD_T1-REMOTE-LOOPBACK

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
FAREND	The type of remote loopback: sendnocode, sendlinecode, sendresetcode, sendqrspattern, send2in24pattern.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE T1 t1name LOOPBACK FAREND farend
```

Output Parameters

GSX_MOD_T1_REMOTE_LOOPBACK_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_T1_REMOTE_LOOPBACK_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_T1-REMOTE-LOOPBACK-RB

Rolls back modifications to the T1 remote loopback type. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningT1Circuit.modT1RemoteLoopbackRb.**

Table 2–155   A_SONUS-GSX9000_7-3-X_MOD_T1-REMOTE-LOOPBACK-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
OLD_FAREND	The type of remote loopback: sendnocode, sendlinecode, sendresetcode, sendqrspattern, send2in24pattern.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE T1 t1name LOOPBACK FAREND farend
```

Output Parameters

GSX_MOD_T1_REMOTE_LOOPBACK_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_T1_REMOTE_LOOPBACK_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_T1-TCAF-STATE

Modify the state of the TCA Filter. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningT1Circuit.modT1TcafState.**

Table 2–156   A_SONUS-GSX9000_7-3-X_MOD_T1-TCAF-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
ERROR_TYPE	Particular Error Type. Values are:ALL, CV-L, ES-L, SES-EL, CV-P, ES-P, SES-P, SAS-P, CSS-P, SEFS-P, UAS-P.	N/A	N/A	S	R
TCAF_STATE	Specifies the state of the threshold crossing alert filter for the particular error type: disabled - Do not generate a threshold crossing alert event when the threshold is exceeded for this error type: enabled - Generate a threshold crossing alert event when the threshold is exceeded for this error type.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE T1 t1name PERMON TCA FILTER error_type tcaf_state
```

Output Parameters

GSX_MOD_T1_TCAF_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_T1_TCAF_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_T1-TCAF-STATE-RB

Rollback of the Modify the state of the TCA Filter. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningT1Circuit.modT1TcafStateRb.**

Table 2–157   A_SONUS-GSX9000_7-3-X_MOD_T1-TCAF-STATE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
TCAF_STATE	Specifies the state of the threshold crossing alert filter for the particular error type: disabled (default) - Do not generate a threshold crossing alert event when the threshold is exceeded for this error type. enabled - Generate a threshold crossing alert event when the threshold is exceeded for this error type.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE T1 t1name PERFMON TCA FILTER error_type tcaf_state
```

Output Parameters

GSX_MOD_T1_TCAF_RB_RETCODE as CSDL parameter to the SARM table TBL_ SRQ_PARM.

GSX_MOD_T1_TCAF_RB_RETCODE as INFO parameter to the SARM table TBL_ INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-CONF

Modifies the existing trunk group configuration. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningTrunkGroup.modTrunkGroupConf.**

Table 2–158   A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-CONF

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
TGNAME	The name of the trunk group being configured. This name may not contain a period.	N/A	N/A	S	R
TRUNKPROFILENAME E	The name of the trunk group profile to apply to this trunk group.	N/A	N/A	S	O
SELECT	The method of hunting through service groups for trunk resources.	N/A	N/A	S	O
RENAME_TIMER	The amount of time in seconds that the previous trunk group name, saved in ALTERNATE NAME, will be accepted when a trunk group is renamed. During this time, the previous trunk group name cannot be used for the name of another trunk group. Must be 0-3600 (seconds), default is 10.	N/A	N/A	S	O
INBOUND	The percent of channels reserved for inbound calls in PSTN trunk groups. Must be 0-100, in increments of 5. Default is 0.	N/A	N/A	S	O
NAME	The new name of the trunkgroup. When an inService trunk group is renamed, the tgname string is saved in ALTERNATE NAME and this string replaces tgname.	N/A	N/A	S	O
CARRIER	The name of the carrier that supports this trunk group.	N/A	N/A	S	O
SS7_NODE	The name of the SS7 node that provides SS7 signaling for this trunk group.	N/A	N/A	S	O
CIRCUIT_ RESERVATION_ STATE	The state of the circuit reservation feature. Values are: disabled, enabled.	N/A	N/A	S	O
PRIORITY_CALL	The minimum number of priority call circuits to be reserved for this trunk group. Must be 0-100, default is 1.	N/A	N/A	S	O
INCOMING_CALL	The minimum number of incoming call circuits to be reserved for this trunk group. Must be 0-128, default is 1.	N/A	N/A	S	O
OUTGOING_CALL	The minimum percentage of outgoing call circuits to be reserved for this trunk group. This percentage is applied to the total number of circuits less the circuits reserved for incoming calls less the circuits reserved for priority calls. Must be 0-100, default is 10.	N/A	N/A	S	O

Table 2–158   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-CONF

Parameter Name	Description	Range	Default Value	Type	Class
SFG_TYPE	The type of Simulated Facility Group (SFG) used by this trunk group. Valid values: none, ni2, dms, user.	N/A	N/A	S	O
NUMBER	A unique number that may be assigned to the trunk group by the customer and used for circuit validation testing purposes. Default value is 0000.	N/A	N/A	S	O
SILCSTATE	The administrative state of Selective Incoming LoadControl (SILC), a control that cancels specified percentages of incoming calls for machine congestion levels MC1 and MC2:enabled - SILC control is active: disabled - SILC control is not in effect	N/A	N/A	S	O
L1CALLS	Specifies the percentage of ingress calls that are permitted on this IP trunk group when SILC STATE is enabled and the congestion level is MC1. Must be 0-100, default is 75.	N/A	N/A	S	O
L2CALLS	Specifies the percentage of ingress calls that are permitted on this IP trunk group when SILC STATE is enabled and the congestion level is MC2. Must be 0-100, default is 25.	N/A	N/A	S	O
PIPTGROUP	Specifies the parent IP trunk group. Used to build a hierarchy of IP trunk group relationships.	N/A	N/A	S	O
IPCLIMIT	Maximum number of calls allowed for an IP trunk group. Must be -1 or 0-147483647 as follows: -1 - do not enforce any limit: 0 - do not allow any calls: non-zero - allow up to the specified number of calls. Default is -1, or no limit on calls.	N/A	N/A	S	O
IPBWLIMIT	Maximum amount of bandwidth allowed for this IP trunk group in units of 1K bits per second. Must be - 1 or 0-2147483647 as follows: -1 - do not enforce any limit: 0 - do not allow any calls: non-zero - allow up to the specified number of calls. Default is -1, or no limit on bandwidth.	N/A	N/A	S	O
TG_DIRECTION	The direction of calls on this IP trunk group. This object is only valid for IP trunk groups: inComing - inbound. outGoing - outbound. bothWays - inbound and outbound.	N/A	N/A	S	O
NSTABLENAME	Specifies the name of the Network Selector Table.Each entry in this table is a network selector that specifies the group of signaling peers that use a particular IP trunk group.	N/A	N/A	S	O

Table 2–158   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-CONF

Parameter Name	Description	Range	Default Value	Type	Class
MINDUR	Specifies the minimum period of outage for a call, in milliseconds, for that call to be counted as part of the packet outage detection algorithm. Must be 0- 65535, default is 6000 (milliseconds).	N/A	N/A	S	O
MINCALLS	Specifies, for the current interval, the number of calls with outages that are required to declare a packet outage event. Must be 0-65535, default is1000 (calls).	N/A	N/A	S	O
PODINTERVAL	Specifies the time interval, in minutes, for detecting packet outages via the packet outage detection algorithm.Must be 5-1440, default is 15 (minutes).This object is only valid for IP trunk groups.	N/A	N/A	S	O
BWLIMITREDUC	Specifies the amount to reduce the bandwidth limit (as a percentage of the configured limit) when a packet outage is detected. Must be 0-100, default is 50 (percent).	N/A	N/A	S	O
PODSTATE	Specifies the administrative state of packet outage detection: enabled - automatic bandwidth reduction will occur when a packet outage is detected: disabled - packet outages are not detected and the maximum bandwidth limit is restored.	N/A	N/A	S	O
MTGNAME	The name of the master trunk group to which the underlying trunk group belongs as a slave. Every trunk group either belongs to a master trunk group in this manner, or does not (MASTER TRUNKGROUP NAME NONE).	N/A	N/A	S	O
MCPERREQ	Specifies the number of calls allowed on the underlying slave IP trunk group after the slave has reachedits IP CALL LIMIT. Must be -1 or 0-2147483647 as follows: -1 - do not enforce any limit: 0 - do not allow any calls: non-zero - allow up to the specified number of callsDefault is 100.	N/A	N/A	S	O
MBWPERREQ	Specifies the amount of bandwidth allowed on the underlying slave IP trunk group after the slave has reached the IP BANDWIDTH LIMIT. Must be -1 or 0-2147483647 as follows:-1 - do not enforce any bandwidth limit: 0 - do not allow any bandwidth allocation: non-zero - allow up to the specified amount of bandwidth allocation. Default is 6400 (in units of 1K bits per second).	N/A	N/A	S	O
IP_REG_EST_CHILD_ REG	Specifies the estimated number of child registrations (including the parent).	N/A	N/A	S	O

Table 2–158   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-CONF

Parameter Name	Description	Range	Default Value	Type	Class
IP_REG_LIMIT	Specifies the maximum number of registrations admitted on this IP trunk group.	N/A	N/A	S	O
EMER_IP_OVERSUB_FACTOR	Specifies the percentage over the configured allowed resources for an IP trunk group that Emergency calls can consume	N/A	N/A	S	O
LOCAL_POLICY_TG_PROFILE	Specifies the name of the Local Policy Trunk Group Profile when the GSX is operating in Local Policy mode.	N/A	N/A	S	O
INGRESS_CALLRATE	In terms of the single token bucket IP policing paradigm, this is thefill rate used by the call policer on the call leg.	N/A	N/A	S	O
INGRESS_NONINVITE_RATE	In terms of the single token bucket IP policing paradigm, this is the fill rate used by the SIP NONINVITE call policer, in number of calls.	N/A	N/A	S	O
INGRESS_CALL_NONPRI_THRESHOLD	Specified the number of tokens reserved for priority calls when policing for non priority calls. This object is valid only for IP Trunk Groups.	N/A	N/A	S	O
EGRESS_CALLBURST	In terms of the single token bucket IP policing paradigm, this is the bucket size used by the call policer, in number of calls.	N/A	N/A	S	O
EGRESS_NONINVITE_BURST	In terms of the single token bucket IP policing paradigm, this is the bucket size used by the SIP NONINVITE policer on the call leg that is created when the initial NONINVITE is received on the GSX.	N/A	N/A	S	O
EGRESS_CALLRATE	In terms of the single token bucket IP policing paradigm, this is thefill rate used by the call policer on the call leg.	N/A	N/A	S	O
EGRESS_NONINVITE_RATE	In terms of the single token bucket IP policing paradigm, this is the fill rate used by the SIP NONINVITE call policer, in number of calls.	N/A	N/A	S	O
EGRESS_CALL_NONPRI_THRESHOLD	Specified the number of tokens reserved for priority calls when policing for non priority calls. This object is valid only for IP Trunk Groups.	N/A	N/A	S	O
INGRESS_CALLBURST	In terms of the single token bucket IP policing paradigm, this is the bucket size used by the call policer, in number of calls.	N/A	N/A	S	O
INGRESS_NONINVITE_BURST	In terms of the single token bucket IP policing paradigm, this is the bucket size used by the SIP NONINVITE policer on the call leg that is created when the initial NONINVITE is received on the GSX.	N/A	N/A	S	O

Table 2–158   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-CONF

Parameter Name	Description	Range	Default Value	Type	Class
HPCPROFILE	Specifies the name of the High Probability of Completion (HPC) trunk group profile.	N/A	N/A	S	O
EARLYACM	Specifies whether an ACM or SIP-18x will be sent when an HPC call is queued (when supporting HPC network capability)	N/A	N/A	S	O
OVERSUB	Specifies the percentage over the configured allowed resources for an IP trunk group that HPC calls can consume before being queued.	N/A	N/A	S	O
OVERRIDE	Specifies whether the IP oversubscription factor setting on this trunk group overrides the oversubscription factor setting on the associated trunk group profile	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE TRUNK GROUP tgname ..
TRUNKPROFILENAME profilename
SELECT selection
NAME newtgname
RENAME TIMER renametimer
ALTERNATE NAME NONE
INBOUND reserved
CARRIER carrier
SS7 NODE ss7nodename
CIRCUIT RESERVATION STATE crstate
PRIORITY CALL priority
INCOMING CALL incoming
OUTGOING CALL outgoing
SIMULATED FACILITY GROUP TYPE sfg-type
NUMBER number
SILC STATE silcstate
SILC CONGESTION LEVEL ONE CALLS ALLOWED l1calls
SILC CONGESTION LEVEL TWO CALLS ALLOWED l2calls
PARENT IP TRUNK GROUP piptgroup
PARENT IP TRUNK GROUP NONE
IP CALL LIMIT ipclimit
IP BANDWIDTH LIMIT ipbwlimit
IP REGISTRATION ESTIMATED CHILD REGISTRATIONS ipestchildreg
IP REGISTRATION LIMIT ipregistlimit
DIRECTION direction
NETWORK SELECTOR TABLE nstablename
NETWORK SELECTOR TABLE NONE
PACKET OUTAGE DETECTION MINIMUM DURATION mindur
PACKET OUTAGE DETECTION MINIMUM CALLS mincalls
PACKET OUTAGE DETECTION BANDWIDTH LIMIT REDUCTION bwlimitreduc
PACKET OUTAGE DETECTION STATE podstate
PACKET OUTAGE DETECTION INTERVAL podinterval
MASTER TRUNK GROUP mtgname
```

```
BANDWIDTH PER REQUEST mbwperreq
CALLS PER REQUEST mcperreq
POLICER EGRESS CALL NONPRIORITY THRESHOLD egnonpriothresh
POLICER EGRESS MAX CALL BURST egmaxcallburst
POLICER EGRESS MAX CALL RATE egmaxcallrate
POLICER EGRESS MAX NONINVITE BURST egmaxnoninviteburst
POLICER EGRESS MAX NONINVITE RATE egmaxnoninviterate
POLICER INGRESS CALL NONPRIORITY THRESHOLD ignonpriothresh
POLICER INGRESS MAX CALL BURST igmaxcallburst
POLICER INGRESS MAX CALL RATE igmaxcallrate
POLICER INGRESS MAX NONINVITE BURST igmaxnoninviteburst
POLICER INGRESS MAX NONINVITE RATE igmaxnoninviterate
LOCAL POLICY TRUNK GROUP PROFILE lptrgrprofile
EMERGENCY IP OVERSUBSCRIPTION FACTOR emergipoversub
HIGH PROBABILITY OF COMPLETION TRUNK GROUP PROFILE hpcprofile
HIGH PROBABILITY OF COMPLETION EARLY ACM earlyacm
HIGH PROBABILITY OF COMPLETION IP OVERSUBSCRIPTION FACTOR oversub
HIGH PROBABILITY OF COMPLETION IP OVERSUBSCRIPTION OVERRIDE override
```

Output Parameters

GSX_MOD_TRUNK_GROUP_CONF_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_TRUNK_GROUP_CONF_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-CONF-RB

Rolls back the modification of an existing Trunk Group configuration. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningTrunkGroup.modTrunkGroupConfRb.**

Table 2–159   A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
TGNAME	The name of the trunk group being configured. This name may not contain a period	N/A	N/A	S	R
OLD_ TRUNKPROFILENAM E	The previous name of the trunk group profile to apply to this trunk group.	N/A	N/A	S	O
OLD_SELECT	The previous method of hunting through service groups for trunk resources. Valid values: leastcost, configured, circularforward, circularbackward.	N/A	N/A	S	O
OLD_RENAME_ TIMER	The previous amount of time in seconds that the previous trunk group name, saved in ALTERNATE NAME, that will be accepted when a trunk group is renamed. During this time, the previous trunk group name cannot be used for the name of another trunk group. Must be 0-3600 (seconds), default is 10.	N/A	N/A	S	O

Table 2–159   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_INBOUND	The previous percent of channels reserved for inbound calls in PSTN trunk groups. Must be 0-100, in increments of 5. Default is 0.	N/A	N/A	S	O
NAME	The previous name of the trunk group. When an inService trunk group is renamed, the tgname string is saved in ALTERNATE NAME and this string replaces tgname.	N/A	N/A	S	O
OLD_CARRIER	The previous name of the carrier that supports this trunk group.	N/A	N/A	S	O
OLD_SS7_NODE	The previous name of the SS7 node that provides SS7 signaling for this trunk group.	N/A	N/A	S	O
OLD_CIRCUIT_RESERVATION_STATE	The previous state of the circuit reservation feature. Valid values: disabled, enabled.	N/A	N/A	S	O
OLD_PRIORITY_CALL	The previous minimum number of priority call circuits to be reserved for this trunk group. Must be 0-100, default is 1.	N/A	N/A	S	O
OLD_INCOMING_CALL	The previous minimum number of incoming call circuits to be reserved for this trunk group. Must be 0-128, default is 1.	N/A	N/A	S	O
OLD_OUTGOING_CALL	The previous minimum percentage of outgoing call circuits to be reserved for this trunk group. This percentage is applied to the total number of circuits less the circuits reserved for incoming calls less the circuits reserved for priority calls. Must be 0-100, default is 10%.	N/A	N/A	S	O
OLD_SFG_GROUP_TYPE	The previous type of Simulated Facility Group (SFG) used by this trunk group. Valid values: none, ni2, dms, user.	N/A	N/A	S	O
OLD_NUMBER	The previous number that may be assigned to the trunk group by the customer and used for circuit validation testing purposes. Default value is 0000.	N/A	N/A	S	O
OLD_SILCSTATE	The administrative state of Selective Incoming LoadControl (SILC), a control that cancels specified percentages of incoming calls for machine congestion levels MC1 and MC2:enabled - SILC control is active: disabled - SILC control is not in effect	N/A	N/A	S	O
OLD_L1CALLS	Specifies the percentage of ingress calls that are permitted on this IP trunk group when SILC STATE is enabled and the congestion level is MC1. Must be 0-100, default is 75.	N/A	N/A	S	O

Table 2–159   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_L2CALLS	Specifies the percentage of ingress calls that are permitted on this IP trunk group when SILC STATE is enabled and the congestion level is MC2. Must be 0-100, default is 25.	N/A	N/A	S	O
OLD_PIPTGROUP	Specifies the parent IP trunk group. Used to build a hierarchy of IP trunk group relationships.	N/A	N/A	S	O
OLD_IPCLIMIT	Maximum number of calls allowed for an IP trunk group. Must be -1 or 0-147483647 as follows: -1 - do not enforce any limit: 0 - do not allow any calls: non-zero - allow up to the specified number of calls. Default is -1, or no limit on calls.	N/A	N/A	S	O
OLD_IPBWLIMIT	Maximum amount of bandwidth allowed for this IP trunk group in units of 1K bits per second. Must be - 1 or 0-2147483647 as follows: -1 - do not enforce any limit: 0 - do not allow any calls: non-zero - allow up to the specified number of calls. Default is -1, or no limit on bandwidth.	N/A	N/A	S	O
OLD_TG_DIRECTION	The direction of calls on this IP trunk group. This object is only valid for IP trunk groups: inComing - inbound. outGoing - outbound. bothWays - inbound and outbound.	N/A	N/A	S	O
OLD_NSTABLENAME	Specifies the name of the Network Selector Table.Each entry in this table is a network selector that specifies the group of signaling peers that use a particular IP trunk group.	N/A	N/A	S	O
OLD_MINDUR	Specifies the minimum period of outage for a call, in milliseconds, for that call to be counted as part of the packet outage detection algorithm. Must be 0- 65535, default is 6000 (milliseconds).	N/A	N/A	S	O
OLD_MINCALLS	Specifies, for the current interval, the number of calls with outages that are required to declare a packet outage event. Must be 0-65535, default is1000 (calls).	N/A	N/A	S	O
OLD_PODINTERVAL	Specifies the time interval, in minutes, for detecting packet outages via the packet outage detection algorithm.Must be 5-1440, default is 15 (minutes).This object is only valid for IP trunk groups.	N/A	N/A	S	O
OLD_ BWLIMITREDUC	Specifies the amount to reduce the bandwidth limit (as a percentage of the configured limit) when a packet outage is detected. Must be 0-100, default is 50 (percent).	N/A	N/A	S	O

Table 2–159   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_PODSTATE	Specifies the administrative state of packet outage detection: enabled - automatic bandwidth reduction will occur when a packet outage is detected: disabled - packet outages are not detected and the maximum bandwidth limit is restored.	N/A	N/A	S	O
OLD_MTGNAME	The name of the master trunk group to which the underlying trunk group belongs as a slave. Every trunk group either belongs to a master trunk group in this manner, or does not (MASTER TRUNKGROUP NAME NONE).	N/A	N/A	S	O
OLD_MCPERREQ	Specifies the number of calls allowed on the underlying slave IP trunk group after the slave has reachedits IP CALL LIMIT. Must be -1 or 0-2147483647 as follows: -1 - do not enforce any limit: 0 - do not allow any calls: non-zero - allow up to the specified number of callsDefault is 100.	N/A	N/A	S	O
OLD_MBWPERREQ	Specifies the amount of bandwidth allowed on the underlying slave IP trunk group after the slave has reached the IP BANDWIDTH LIMIT. Must be -1 or 0-2147483647 as follows:-1 - do not enforce any bandwidth limit: 0 - do not allow any bandwidth allocation: non-zero - allow up to the specified amount of bandwidth allocation. Default is 6400 (in units of 1K bits per second).	N/A	N/A	S	O
OLD_IP_REG_EST_ CHILD_REG	Specifies the estimated number of child registrations (including the parent).	N/A	N/A	S	O
OLD_IP_REG_LIMIT	Specifies the maximum number of registrations admitted on this IP trunk group.	N/A	N/A	S	O
OLD_EMER_IP_ OVERSUB_FACTOR	Specifies the percentage over the configured allowed resources for an IP trunk group that Emergency calls can consume	N/A	N/A	S	O
OLD_LOCAL_ POLICY_TG_PROFILE	Specifies the name of the Local Policy Trunk Group Profile when the GSX is operating in Local Policy mode.	N/A	N/A	S	O
OLD_LOCAL_ POLICY_TG_PROFILE	Specifies the name of the Local Policy Trunk Group Profile when the GSX is operating in Local Policy mode.	N/A	N/A	S	O
OLD_INGRESS_ CALLRATE	In terms of the single token bucket IP policing paradigm, this is thefill rate used by the call policer on the call leg.	N/A	N/A	S	O
OLD_INGRESS_ NONINVITE_RATE	In terms of the single token bucket IP policing paradigm, this is the fill rate used by the SIP NONINVITE call policer, in number of calls.	N/A	N/A	S	O

Table 2–159   (Cont.) A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_INGRESS_ CALL_NONPRI_ THRESHOLD	Specified the number of tokens reserved for priority calls when policing for non priority calls. This object is valid only for IP Trunk Groups.	N/A	N/A	S	O
OLD_EGRESS_ CALLBURST	In terms of the single token bucket IP policing paradigm, this is the bucket size used by the call policer, in number of calls.	N/A	N/A	S	O
OLD_EGRESS_ NONINVITE_BURST	In terms of the single token bucket IP policing paradigm, this is the bucket size used by the SIP NONINVITE policer on the call leg that is created when the initial NONINVITE is received on the GSX.	N/A	N/A	S	O
OLD_EGRESS_ CALLRATE	In terms of the single token bucket IP policing paradigm, this is thefill rate used by the call policer on the call leg.	N/A	N/A	S	O
OLD_EGRESS_ NONINVITE_RATE	In terms of the single token bucket IP policing paradigm, this is the fill rate used by the SIP NONINVITE call policer, in number of calls.	N/A	N/A	S	O
OLD_EGRESS_CALL_ NONPRI_ THRESHOLD	Specified the number of tokens reserved for priority calls when policing for non priority calls. This object is valid only for IP Trunk Groups.	N/A	N/A	S	O
OLD_INGRESS_ CALLBURST	In terms of the single token bucket IP policing paradigm, this is the bucket size used by the call policer, in number of calls.	N/A	N/A	S	O
OLD_INGRESS_ NONINVITE_BURST	In terms of the single token bucket IP policing paradigm, this is the bucket size used by the SIP NONINVITE policer on the call leg that is created when the initial NONINVITE is received on the GSX.	N/A	N/A	S	O
OLD_HPCPROFILE	Specifies the name of the High Probability of Completion (HPC) trunk group profile.	N/A	N/A	S	O
OLD_EARLYACM	Specifies whether an ACM or SIP-18x will be sent when an HPC call is queued (when supporting HPC network capability):	N/A	N/A	S	O
OLD_OVERSUB	Specifies the percentage over the configured allowed resources for an IP trunk group that HPC calls can consume before being queued.	N/A	N/A	S	O
OLD_OVERRIDE	Specifies whether the IP oversubscription factor setting on this trunk group overrides the oversubscription factor setting on the associated trunk group profile:	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE TRUNK GROUP tgname ..
TRUNKPROFILENAME profilename
SELECT selection
NAME newtgname
RENAME TIMER renametimer
ALTERNATE NAME NONE
INBOUND reserved
CARRIER carrier
SS7 NODE ss7nodename
CIRCUIT RESERVATION STATE crstate
PRIORITY CALL priority
INCOMING CALL incoming
OUTGOING CALL outgoing
SIMULATED FACILITY GROUP TYPE sfg-type
NUMBER number
SILC STATE silcstate
SILC CONGESTION LEVEL ONE CALLS ALLOWED l1calls
SILC CONGESTION LEVEL TWO CALLS ALLOWED l2calls
PARENT IP TRUNK GROUP piptgroup
PARENT IP TRUNK GROUP NONE
IP CALL LIMIT ipclimit
IP BANDWIDTH LIMIT ipbwlimit
IP REGISTRATION ESTIMATED CHILD REGISTRATIONS ipestchildreg
IP REGISTRATION LIMIT ipregistlimit
DIRECTION direction
NETWORK SELECTOR TABLE nstablename
NETWORK SELECTOR TABLE NONE
PACKET OUTAGE DETECTION MINIMUM DURATION mindur
PACKET OUTAGE DETECTION MINIMUM CALLS mincalls
PACKET OUTAGE DETECTION BANDWIDTH LIMIT REDUCTION bwlimitreduc
PACKET OUTAGE DETECTION STATE podstate
PACKET OUTAGE DETECTION INTERVAL podinterval
MASTER TRUNK GROUP mtgname
BANDWIDTH PER REQUEST mbwperreq
CALLS PER REQUEST mcperreq
POLICER EGRESS CALL NONPRIORITY THRESHOLD egnonpriothresh
POLICER EGRESS MAX CALL BURST egmaxcallburst
POLICER EGRESS MAX CALL RATE egmaxcallrate
POLICER EGRESS MAX NONINVITE BURST egmaxnoninviteburst
POLICER EGRESS MAX NONINVITE RATE egmaxnoninviterate
POLICER INGRESS CALL NONPRIORITY THRESHOLD ignonpriothresh
POLICER INGRESS MAX CALL BURST igmaxcallburst
POLICER INGRESS MAX CALL RATE igmaxcallrate
POLICER INGRESS MAX NONINVITE BURST igmaxnoninviteburst
POLICER INGRESS MAX NONINVITE RATE igmaxnoninviterate
LOCAL POLICY TRUNK GROUP PROFILE lptrgrprofile
EMERGENCY IP OVERSUBSCRIPTION FACTOR emergipoversub
HIGH PROBABILITY OF COMPLETION TRUNK GROUP PROFILE hpcprofile
HIGH PROBABILITY OF COMPLETION EARLY ACM earlyacm
HIGH PROBABILITY OF COMPLETION IP OVERSUBSCRIPTION FACTOR oversub
HIGH PROBABILITY OF COMPLETION IP OVERSUBSCRIPTION OVERRIDE override
```

Output Parameters

GSX_MOD_TRUNK_GROUP_CONF_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_TRUNK_GROUP_CONF_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-MODE

Changes the operational state to inservice or outOfService. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningTrunkGroup.modTrunkGroupMode.**

Table 2–160   A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-MODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
TGNAME	The name of the trunk group being configured. This name may not contain a period.	N/A	N/A	S	R
TG_MODE	The operational state of the server module in the GSX chassis: inservice (Active), outofservice (Not active, able to put into disabled administrative state).	N/A	N/A	S	O
TG_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
TG_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE TRUNK GROUP tgname ..
MODE oper-state
ACTION action
TIMEOUT timeout
```

Output Parameters

GSX_MOD_TRUNK_GROUP_MODE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_TRUNK_GROUP_MODE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-MODE-RB

Rolls back modifications to the operational state. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningTrunkGroup.modTrunkGroupModeRb.**

Table 2–161   A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-MODE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
TGNAME	The name of the trunk group being configured. This name may not contain a period.	N/A	N/A	S	R
OLD_TG_MODE	The previous operational state of the server module in the GSX chassis. Valid values: inservice (Active), outofservice (Not active, able to put into disabled administrative state).	N/A	N/A	S	O
OLD_TG_ACTION	The previous method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
OLD_TG_TIMEOUT	The previous time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE TRUNK GROUP tgname ..
MODE oper-state
ACTION action
TIMEOUT timeout
```

Output Parameters

GSX_MOD_TRUNK_GROUP_MODE_RB_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_TRUNK_GROUP_MODE_RB_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-STATE

Changes the administrative state to enabled or disabled. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningTrunkGroup.modTrunkGroupState.**

Table 2–162   A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-STATE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
TGNAME	The name of the trunk group being configured. This name may not contain a period	N/A	N/A	S	R
TG_STATE	The administrative state of the trunk group. Valid values: enabled or disabled.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CONFIGURE TRUNK GROUP tgname ..
STATE admin-state
```

Output Parameters

GSX_MOD_TRUNK_GROUP_STATE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_MOD_TRUNK_GROUP_STATE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-STATE-RB

Rolls back modifications to the administrative. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningTrunkGroup.modTrunkGroupStateRb.**

Table 2–163   A_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-STATE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
TGNAME	The name of the trunk group being configured. This name may not contain a period.	N/A	N/A	S	R
OLD_TG_STATE	The previous administrative state of the trunk group. Valid values: enabled or disabled.	N/A	N/A	S	O
TG_STATE	The previous administrative state of the trunk group. Valid values: enabled or disabled.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CONFIGURE TRUNK GROUP tgname ..
STATE admin-state
```

Output Parameters

GSX_MOD_TRUNK_GROUP_STATE_RB_RETCODE as INFO parameter to the
SARM table TBL_INFO_PARM.

GSX_MOD_TRUNK_GROUP_STATE_RB_RETCODE as CSDL parameter to the
SARM table TBL_SRQ_PARM

A_SONUS-GSX9000_7-3-X_QRY_ALL-CAS-CHANNEL

Query All CAS Channel from CAS Service name. It is implemented by the Java
method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningCasChannel.qryAllCASChannel.**

Table 2–164   A_SONUS-GSX9000_7-3-X_QRY_ALL-CAS-CHANNEL

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
CAS_CHAN_ SERVICENAME	The name of the CAS service to which the channels are being assigned.	N/A	N/A	S	R
CAS_CHAN_ CONFIGURATION	The configuration of the module. Possible values: ADMIN, STATUS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

N/A

Output Parameters

N/A

A_SONUS-GSX9000_7-3-X_QRY_ALL_ISUP-CIRCUIT

Queries all ISUP Circuits Service. It is implemented by the Java method
**com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningISUP.queryALLISUPCircuit.**

Table 2–165   A_SONUS-GSX9000_7-3-X_QRY_ALL_ISUP-CIRCUIT

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISCNAME	The name of the ISUP service used by the circuit that you are configuring.	N/A	N/A	S	R
CIC	The set of CICs that comprise this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0-16383-ANSI1992 and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R
ISC_ CONFIGURATION	The configuration of the module. Possible values: ADMIN, STATUS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	R

MML commands

MML Syntax :

```
SHOW ISUP CIRCUIT SERVICE icsname CIC cic ADMIN
SHOW ISUP CIRCUIT SERVICE icsname CIC cicrange ADMIN
SHOW ISUP CIRCUIT SERVICE icsname CIC ALL ADMIN
```

Output Parameters

GSX_QRY_ALL_ISUP_CIRCUIT_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_QRY_ALL_ISUP_CIRCUIT_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

Output parameters:(As INFO and CSDL)

TRUNK_GROUP= <Trunk Group>

ISUP_SERVICE= <ISUP Service>

POINT_CODE= <Point Code>

CIC[x] = CIC

ISC_T1NAME[x] = Port

CHANNEL[x] = Chnl

TRUNK_MEMBER[x] = Trunk Member

DIRECTION[x] = Direction

ISC_STATE[x] = Admin State

ISC_MODE[x] = Admin Mode

SERVICEPROFILENAME[x] = Profile

Where x = 1,2,3………..n

A_SONUS-GSX9000_7-3-X_QRY_CAS-CHANNEL

Query CAS Channel. It is implemented by the Java method
**com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningCasChannel.qryCASChannel.**

Table 2–166   A_SONUS-GSX9000_7-3-X_QRY_CAS-CHANNEL

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
CAS_CHAN_ SERVICENAME	The name of the CAS service to which the channels are being assigned.	N/A	N/A	S	R
CAS_CHAN_PORT	The automatically created (and possibly changed) name of the T1 or E1 span that is assigned to the CAS channels.	N/A	N/A	S	R
CAS_CHAN_ CHANRANGE	A set of channels. Must be one or more ranges of channels within the overall range 1-31.	N/A	N/A	S	R
CAS_CHAN_ CONFIGURATION	The configuration of the module. Possible values: ADMIN, STATUS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

```
This method queries a CAS Service Channel from GSX.

Command:
SHOW CAS CHANNEL SERVICE servicename PORT portnumber CHANNEL channelrange ADMIN
```

Output Parameters

GSX_QRY_CAS_CHANNEL_RETCODE as CSDL parameter to the SARM table TBL_
SRQ_PARM.

GSX_QRY_CAS_CHANNEL_RETCODE as INFO parameter to the SARM table TBL_
INFO_PARM.

If the activation command is successful, the CAS Channel service is returned.

CSDL Return Parameters

OLD_CAS_CHAN_SERVICENAME

OLD_CAS_CHAN_PORT

OLD_CAS_CHAN_CHANRANGE

OLD_CAS_CHAN_CIRCUITPROFILE

OLD_CAS_CHAN_DIRECTION

OLD_CAS_CHAN_TMEMBER

OLD_CAS_CHAN_MODE

OLD_CAS_CHAN_STATE

INFO Return Parameters

CAS_CHAN_SERVICENAME

CAS_CHAN_PORT

CAS_CHAN_CHANRANGE

CAS_CHAN_CIRCUITPROFILE

CAS_CHAN_DIRECTION

CAS_CHAN_TMEMBER

CAS_CHAN_MODE

CAS_CHAN_STATE

A_SONUS-GSX9000_7-3-X_QRY_CAS-SERVICE

Query CAS service. It is implemented by the Java method
**com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningCasService.qryCASService.**

Table 2–167   A_SONUS-GSX9000_7-3-X_QRY_CAS-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
CAS_SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
CAS_ CONFIGURATION	Displays the configuration ofCAS. Possible values: ADMIN and STATUS. ADMIN displays the configuration of the module, STATUS displays the status of the module.	N/A	ADMIN	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

MML commands

MML Syntax :

This method queries a CAS Service from GSX.

Command:
SHOW CAS SERVICE servicename ADMIN

Output Parameters

GSX_QRY_CAS_SERVICE_RETCODE as CSDL parameter to the SARM table TBL_ SRQ_PARM.

GSX_QRY_CAS_SERVICE_RETCODE as INFO parameter to the SARM table TBL_ INFO_PARM.

If the activation command is successful, the CAS service is returned.

CSDL Return Parameters

OLD_CAS_SERVICENAME

OLD_CAS_PROFILENAME

OLD_CAS_TGNAME

OLD_CAS_TRUNKGROUP

OLD_CAS_HUNT

OLD_CAS_COST

OLD_CAS_SIGNALTYPE

OLD_CAS_INGRSSPNAME

OLD_CAS_INGRESS_SSP

OLD_CAS_EGRSSPNAME

OLD_CAS_EGRESS_SSP

OLD_CAS_HKFSSPNAME

OLD_CAS_HOOKFLASH_SSP

OLD_CAS_PSCSSPNAME

OLD_CAS_PSC_SSP

OLD_CAS_MAINTBUSY

OLD_CAS_DTMFPROFILE

OLD_CAS_MFPROFILE

OLD_CAS_CPTONEPKG

OLD_CAS_CPTONEREQ

OLD_CAS_CPTONEPROV

OLD_CAS_RXWINKMIN

OLD_CAS_RXWINKMAX

OLD_CAS_RXFLASHMIN

OLD_CAS_RXFLASHMAX

OLD_CAS_TXWINK

OLD_CAS_TXFLASH

OLD_CAS_GUARDTIME

OLD_CAS_AUTOBUSY

OLD_CAS_AUTOBUSYTHRESHOLD

OLD_CAS_DTPROFILE

OLD_CAS_SUSPENDTIME

OLD_CAS_SWITCHSIDE

OLD_CAS_SIGVARIANT

OLD_CAS_BNUMENDDIGIT

OLD_CAS_MFCR2PROFILE

OLD_CAS_CLRTOIDLETIME

OLD_CAS_E1CBIT

OLD_CAS_E1DBIT

OLD_CAS_MGCPACKAGE

OLD_CAS_ANSUPVTO

OLD_CAS_LSGSANSWERSUPV

OLD_CAS_RXSEIZERING

OLD_CAS_RXFXSANSWER

OLD_CAS_RXFXSDISC

OLD_CAS_RXLSFXSRINGCESS

OLD_CAS_TXLSFXODISC

OLD_CAS_TXFXORINGON

OLD_CAS_TXFXORINGOFF

OLD_CAS_CBPROFNO

OLD_CAS_ANUMLENGTH

OLD_CAS_TXR2ENDDIGIT

OLD_CAS_RXR2SEIZE

OLD_CAS_RXR2SEIZEACK

OLD_CAS_RXR2ANSWER

OLD_CAS_RXR2CLEARBACK

OLD_CAS_RXR2CLEARFWD

OLD_CAS_RXR2IDLEBACK

OLD_CAS_RXR2BLOCK

OLD_CAS_CGRTIMEOUT

OLD_CAS_STATE

OLD_CAS_MODE

OLD_CAS_SKIP_CB_PROF

OLD_CAS_LDC_ACTION

OLD_CAS_LDC_EMERGENCY_CALLS

OLD_CAS_LDC_TIMEOUT

OLD_CAS_TXOSI

OLD_CAS_CALLWAITING_CALLERID_SSP

INFO Return Parameters

CAS_SERVICENAME

CAS_PROFILENAME

CAS_TGNAME

CAS_TRUNKGROUP

CAS_HUNT

CAS_COST

CAS_SIGNALTYPE

CAS_INGRSSPNAME

CAS_INGRESS_SSP

CAS_EGRSSPNAME

CAS_EGRESS_SSP

CAS_HKFSSPNAME

CAS_HOOKFLASH_SSP

CAS_PSCSSPNAME

CAS_PSC_SSP

CAS_MAINTBUSY

CAS_DTMFPROFILE

CAS_MFPROFILE

CAS_CPTONEPKG

CAS_CPTONEREQ

CAS_CPTONEPROV

CAS_RXWINKMIN

CAS_RXWINKMAX

CAS_RXFLASHMIN

CAS_RXFLASHMAX

CAS_TXWINK

CAS_TXFLASH

CAS_GUARDTIME

CAS_AUTOBUSY

CAS_AUTOBUSYTHRESHOLD

CAS_DTPROFILE

CAS_SUSPENDTIME

CAS_SWITCHSIDE

CAS_SIGVARIANT

CAS_BNUMENDDIGIT

CAS_MFCR2PROFILE

CAS_CLRTOIDLETIME

CAS_E1CBIT

CAS_E1DBIT

CAS_MGCPACKAGE

CAS_ANSUPVTO

CAS_LSGSANSWERSUPV

CAS_RXSEIZERING

CAS_RXFXSANSWER

CAS_RXFXSDISC

CAS_RXLSFXSRINGCESS

CAS_TXLSFXODISC

CAS_TXFXORINGON

CAS_TXFXORINGOFF

CAS_CBPROFNO

CAS_ANUMLENGTH

CAS_TXR2ENDDIGIT

CAS_RXR2SEIZE

CAS_RXR2SEIZEACK

CAS_RXR2ANSWER

CAS_RXR2CLEARBACK

CAS_RXR2CLEARFWD

CAS_RXR2IDLEBACK

CAS_RXR2BLOCK

CAS_CGRTIMEOUT

CAS_STATE

CAS_MODE

CAS_SKIP_CB_PROF

CAS_LDC_ACTION

CAS_LDC_EMERGENCY_CALLS

CAS_LDC_TIMEOUT

CAS_TXOSI

CAS_CALLWAITING_CALLERID_SSP

A_SONUS-GSX9000_7-3-X_QRY_ISDN-BCHANNEL

Queries a configuration for ISDN B-channels. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.qryISDNBChannel.**

Table 2–168   A_SONUS-GSX9000_7-3-X_QRY_ISDN-BCHANNEL

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R
INTERFACE	The number of the ISDN Interface that contains the designated B-channels. Must be 0-20.	N/A	N/A	S	R
BCHANNEL	A single B-channel number or a set of B-channels. Must be one or more ranges of Bchannels within the overall range 1-23.	N/A	N/A	S	R
BCHANNEL_ CONFIGURATION	The configuration of the module. Possible values: ADMIN, STATUS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	R

MML commands

MML Syntax :

```
SHOW ISDN BCHANNEL SERVICE servicename ADMIN
SHOW ISDN BCHANNEL SERVICE servicename ..
INTERFACE interface ADMIN
SHOW ISDN BCHANNEL SERVICE servicename ..
INTERFACE interface BCHANNEL bchannel ADMIN

SHOW ISDN BCHANNEL SERVICE servicename STATUS
SHOW ISDN BCHANNEL SERVICE servicename ..
INTERFACE interface STATUS
SHOW ISDN BCHANNEL SERVICE servicename ..
INTERFACE interface BCHANNEL bchannel STATUS
```

Output Parameters

GSX_QRY_ISDN_BCHANNEL_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_QRY_ISDN_BCHANNEL_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_QRY_ISDN-INTERFACE

Queries an ISDN interface. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.qryISDNInterface.**

Table 2–169   A_SONUS-GSX9000_7-3-X_QRY_ISDN-INTERFACE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which this ISDN Interface is linked.	N/A	N/A	S	R
INTERFACE	The Q.931 interface identifier. Must be 0-19 or 1-20.	N/A	N/A	S	R

MML commands

MML Syntax :

```
SHOW ISDN INTERFACE SERVICE servicename ..
INTERFACE interface ADMIN
SHOW ISDN INTERFACE SERVICE servicename ..
INTERFACE ALL ADMIN
```

Output Parameters

GSX_QRY_ISDN_INTERFACE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_QRY_ISDN_INTERFACE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_QRY_ISDN-SERVICE

Queries an ISDN service. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningISDN.qryISDNService.**

Table 2–170   A_SONUS-GSX9000_7-3-X_QRY_ISDN-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service that is being created and configured.	N/A	N/A	S	R
ISDN_ CONFIGURATION	The configuration of the module. Possible values: ADMIN, STATUS or PARAMETERS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	R

MML commands

MML Syntax :

```
SHOW ISDN SERVICE servicename ADMIN
SHOW ISDN SERVICE servicename STATUS
SHOW ISDN SERVICE servicename PARAMETERS
SHOW ISDN SERVICE ALL ADMIN
SHOW ISDN SERVICE ALL STATUS
```

Output Parameters

GSX_QRY_ISDN_SERVICE_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_QRY_ISDN_SERVICE_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_QRY_ISUP-CIRCUIT

Queries the ISUP Circuit Service. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningISUP.queryISUPCircuit.**

Table 2–171   A_SONUS-GSX9000_7-3-X_QRY_ISUP-CIRCUIT

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISCNAME	The name of the ISUP service used by the circuit that you are configuring.	N/A	N/A	S	R
CIC	The set of CICs that comprise this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0-16383-ANSI1992 and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R
ISC_CONFIGURATION	The configuration of the module. Possible values: ADMIN, STATUS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	R

MML commands

MML Syntax :

```
SHOW ISUP CIRCUIT SERVICE icsname CIC cicrange ADMIN
SHOW ISUP CIRCUIT SERVICE icsname CIC cicrange STATUS
SHOW ISUP CIRCUIT SERVICE icsname CIC ALL ADMIN
SHOW ISUP CIRCUIT SERVICE icsname CIC ALL STATUS
```

Output Parameters

GSX_QRY_ISUP_CIRCUIT_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_QRY_ISUP_CIRCUIT_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_QRY_ISUP-SERVICE

Queries ISUP services. It is implemented by the Java method
**com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningISUP.qryISUPService.**

Table 2–172   A_SONUS-GSX9000_7-3-X_QRY_ISUP-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
ISUP_ CONFIGURATION	The configuration of the module. Possible values: ADMIN, STATUS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	R

MML commands

MML Syntax :

```
SHOW ISUP SERVICE isname ADMIN
SHOW ISUP SERVICE isname STATUS
SHOW ISUP SERVICE ALL ADMIN
SHOW ISUP SERVICE ALL STATUS
```

Output Parameters

GSX_QRY_ISUP_SERVICE_RETCODE as CSDL parameter to the SARM table TBL_
SRQ_PARM.

GSX_QRY_ISUP_SERVICE_RETCODE as INFO parameter to the SARM table TBL_
INFO_PARM

This method will return all CSDL parameter labels with prefix 'OLD_' to use existing
value for the rollback action if 'update' fails.

The keyword is obtained by replacing the undersores with spaces in the CSDL
parameter label.

For example, the 'DISCONNECT_TREATMENT_PROFILE' label corresponds to the
'DISCONNECT TREATMENT PROFILE' keyword.' label corresponds to the 'ENABLE
TG STATE' keyword.

CSDL/Info parameter labels:commandparameters:

SERVICENAMEisname

TRUNKGROUPtgname

REVISIONrevision

COSTcost

DISCONNECT_TREATMENT_PROFILEdtprofile

GRSATSTARTUPgrsatstartup

HOPCOUNTERVALUEhopcountval

ACCRESPPROCESSaccresproc

ACCL1ARCANCELPERCENTaccl1ARcanper

ACCL2ARCANCELPERCENTaccl2ARcanper

ACCL3ARCANCELPERCENTaccl3ARcanper

INSPECTION_TIMEinsptime

INSPECTION_FREQUENCYinspfreq

INSPECTION_STATEinspstate

OLIPCHECKolipcheck

CLLI_TOWN_CODEcllitown

CLLI_BUILDING_CODEcllibldg

CLUSTERROUTINGclusrouting

CONFIRMATION_TONEconftone

ANSSUPVTIMEOUTanssupvtimeout

ACMWITHBCIIWcutthruoverride

CRANKBACKPROFILEcbprofno

STATEmssgthrottling

CALLSSEGMENTcallspersegment

NETWORKIDENTITYnetworkid

RESETmessagereset

ISUP_TIMEOUTtimeout

ISUP_MODEoper-state

CHARGE_AREAchargearea

LOCATION_RELlocation

TANDEM_LIMIT_COUNTERtandemlimitcounter

DEL_IXC_TC_CODEdelixctccode

SKIP_CB_PROFILEskipcrankbackprofile

A_SONUS-GSX9000_7-3-X_QRY_SERVER

Queries whether a server object at the GSX node is in ADMIN or STATUS mode. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningServer.qryServer.**

Table 2–173   A_SONUS-GSX9000_7-3-X_QRY_SERVER

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	R
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	R
SERVER_ CONFIGURATION	Displays the configuration of the module. Possible values: ADMIN and STATUS. ADMIN displays the configuration of the module, STATUS displays the status of the module.	N/A	ADMIN	S	R

MML commands

MML Syntax :

```
SHOW SERVER SHELF shelfnumber ..
SLOT slotnumber ADMIN
SHOW SERVER SHELF shelfnumber ..
SLOT slotnumber STATUS
SHOW SERVER SHELF shelfnumber SUMMARY
SHOW SHELF SHELF shelfnumber STATUS
```

Output Parameters

GSX_QRY_SERVER_RETCODE as CSDL parameter to the SARM table TBL_SRQ_ PARM.

GSX_QRY_SERVER_RETCODE as INFO parameter to the SARM table TBL_INFO_ PARM

A_SONUS-GSX9000_7-3-X_QRY_T1-CHANNEL-CONF

Query T1 Channel. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_ x.prov.ProvisioningT1Channel.qryT1Channel.**

Table 2–174   A_SONUS-GSX9000_7-3-X_QRY_T1-CHANNEL-CONF

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration.	N/A	N/A	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O

Table 2–174   (Cont.) A_SONUS-GSX9000_7-3-X_QRY_T1-CHANNEL-CONF

Parameter Name	Description	Range	Default Value	Type	Class
SPAN	The span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	The port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12).For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1CHANNEL	T1 Channel number or T1 Channel range.	N/A	N/A	S	R

MML commands

MML Syntax :

```
SHOW T1 <T1NAME> CHANNEL <T1CHANNEL> ADMIN
```

Output Parameters

GSX_QRY_T1_CHANNEL_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_QRY_T1_CHANNEL_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

Return Parameters:

T1CHANNEL[n](I), value <Channel>

OLD_T1CHANNEL[n](C), value <Channel>

T1_CHANNEL_STATE[n](I), value <State>

OLD_T1_CHANNEL_STATE[n](C), value <State>

T1_CHANNEL_MODE[n](I), value <Mode>

OLD_T1_CHANNEL_MODE[n](C), value <Mode>

T1_CHANNEL_IDLECODE[n](I), value <Idle Code>

OLD_T1_CHANNEL_IDLECODE[n](C), value <Idle Code>

T1_CHANNEL_TONE[n](I), value <Tone>

OLD_T1_CHANNEL_TONE[n](C), value <Tone>

T1_CHANNEL_LOOPBACK[n](I), value <Loopback>

OLD_T1_CHANNEL_LOOPBACK[n](C), value <Loopback>

where n is integer value as a index and starts with "1".

A_SONUS-GSX9000_7-3-X_QRY_T1-CHANNEL-CONF-RB

Rollback Query for T1 Channel. It is implemented by the Java method
**com.metasolv.cartridge.oss.sonus_gsx9000_7_3_
x.prov.ProvisioningT1Channel.qryT1ChannelRB.**

Table 2–175   A_SONUS-GSX9000_7-3-X_QRY_T1-CHANNEL-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration.	N/A	N/A	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	The span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	The port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12).For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1CHANNEL	T1 Channel number or T1 Channel range.	N/A	N/A	S	R

MML commands

MML Syntax :

```
SHOW T1 <T1NAME> CHANNEL <T1CHANNEL> ADMIN
```

Output Parameters

GSX_QRY_T1_CHANNEL_RB_RETCODE as CSDL parameter to the SARM table
TBL_SRQ_PARM.

GSX_QRY_T1_CHANNEL_RB_RETCODE as INFO parameter to the SARM table
TBL_INFO_PARM

Return Parameters:

T1CHANNEL(I), value <Channel>

OLD_T1CHANNEL(C), value <Channel>

T1_CHANNEL_STATE(I), value <State>

OLD_T1_CHANNEL_STATE(C), value <State>

T1_CHANNEL_MODE(I), value <Mode>

OLD_T1_CHANNEL_MODE(C), value <Mode>

T1_CHANNEL_IDLECODE(I), value <Idle Code>

OLD_T1_CHANNEL_IDLECODE(C), value <Idle Code>

T1_CHANNEL_TONE(I), value <Tone>

OLD_T1_CHANNEL_TONE(C), value <Tone>

T1_CHANNEL_LOOPBACK(I), value <Loopback>

OLD_T1_CHANNEL_LOOPBACK(C), value <Loopback>

A_SONUS-GSX9000_7-3-X_QRY_T1-CIRCUIT

Queries a T1 circuit that is supported by a Circuit Network Server on the GSX. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningT1Circuit.qryT1Circuit.**

Table 2–176   A_SONUS-GSX9000_7-3-X_QRY_T1-CIRCUIT

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O

Table 2–176   (Cont.) A_SONUS-GSX9000_7-3-X_QRY_T1-CIRCUIT

Parameter Name	Description	Range	Default Value	Type	Class
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1_CONFIGURATION	The configuration of the module. Possible values: ADMIN and STATUS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	R

MML commands

MML Syntax :

```
SHOW T1 t1name ADMIN
SHOW T1 t1name STATUS
```

Output Parameters

GSX_QRY_T1_CIRCUIT_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_QRY_T1_CIRCUIT_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM

A_SONUS-GSX9000_7-3-X_QRY_TRUNK-GROUP

Queries the trunk group. It is implemented by the Java method **com.metasolv.cartridge.oss.sonus_gsx9000_7_3_x.prov.ProvisioningTrunkGroup.qryTrunkGroup.**

Table 2–177   A_SONUS-GSX9000_7-3-X_QRY_TRUNK-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Remote Network Element name.	N/A	N/A	S	R
TGNAME	The name of the trunk group being configured. This name may not contain a period.	N/A	N/A	S	R
TG_CONFIGURATION	Displays the configuration of the module. Possible values: ADMIN, STATUS or SERVICEGROUPS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	R

MML commands

MML Syntax :

```
SHOW TRUNK GROUP tgname ADMIN
SHOW TRUNK GROUP tgname STATUS
SHOW TRUNK GROUP tgname SERVICEGROUPS
SHOW TRUNK GROUP ALL STATUS
SHOW TRUNK GROUP ALL ADMIN
```

Output Parameters

GSX_QRY_TRUNK_GROUP_RETCODE as CSDL parameter to the SARM table TBL_SRQ_PARM.

GSX_QRY_TRUNK_GROUP_RETCODE as INFO parameter to the SARM table TBL_INFO_PARM.

NE Response when MML is - SHOW TRUNK GROUP tg1 ADMIN and TG_TYPE=PSTN

This method will return all CSDL parameter labels with prefix 'OLD_' to use existing value for

the rollback action if 'update' fails.

CSDL/Info parameter labels:commandparameters:

CARRIERcarrier

SS7_NODESS7nodename

ENABLE_TG_STATEadmin-state

TG_STATEadmin-state

SELECTselection

INBOUNDreserved

ENABLE_TG_MODEoper-state

TG_MODEoper-state

ENABLE_TG_ACTIONaction

TG_ACTIONaction

ENABLE_TG_TIMEOUTtimeout

TG_TIMEOUTtimeout

CIRCUIT_RESERVATION_STATEcrstate

PRIORITY_CALLpriority

INCOMING_CALLincoming

OUTGOING_CALLoutgoing

SFG_TYPEsfg-type

NUMBERnumber

RENAME_TIMERrenametimer

SILCSTATEsilcstate

L1CALLSl1calls

L2CALLSl2calls

TG_TYPEtg-type

TG_DIRECTIONdirection

PIPTGROUPpiptgroup

NSTABLENAMEnstablename

IPCLIMITipclimit

IPBWLIMITipbwlimit

MINDURmindur

MINCALLSmincalls

BWLIMITREDUCbwlimitreduc

PODSTATEpodstate

PODINTERVALpodinterval

MTGNAMEmtgname

MCPERREQmcperreg

MBWPERREQmbwperreg

IP_REG_EST_CHILD_REGipestchildreg

IP_REG_LIMITipregistlimit

EMER_IP_OVERSUB_FACTORemergipoversub

LOCAL_POLICY_TG_PROFILElptrgrprofile

INGRESS_CALLBURSTigmaxcallburst

INGRESS_NONINVITE_BURSTigmaxnoninviteburst

INGRESS_CALLRATEigmaxcallrate

INGRESS_NONINVITE_RATEigmaxnoninviterate

INGRESS_CALL_NONPRI_THRESHOLDignonpriothresh

EGRESS_CALLBURSTegmaxcallburst

EGRESS_NONINVITE_BURSTegmaxnoninviteburst

EGRESS_CALLRATEegmaxcallrate

EGRESS_NONINVITE_RATE egmaxnoninviterate

EGRESS_CALL_NONPRI_THRESHOLD egnonpriothresh

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>
<searchPattern>101-110[201-215]</searchPattern>...4
<userType>U_SOFT_FAIL</userType>
<baseType>SOFT_FAIL</baseType>
<description>The ASDL has encountered a soft failure. Processing will
continue.</description>
</userDefinedExitType>
<userDefinedExitType>
<searchPattern>801-850</searchPattern>...5
<userType>U_MINOR_ERROR</userType>
<baseType>SOFT_FAIL</baseType>
<description>The ASDL has encountered a soft failure. Processing will
continue.</description>
</userDefinedExitType>
<userDefinedExitType>
<searchPattern>251-275&&[^261-265]</searchPattern>...6
<userType>U_DELAYED_FAIL</userType>
<baseType>DELAYED_FAIL</baseType>
<description>The ASDL has failed during provisioning.</description>
</userDefinedExitType>
```

```
<userDefinedExitType>
<neDescriptor>
<softwareLoad>BCS36</softwareLoad>
<technology>NORTEL_DMS</technology>
<neVendor>Nortel</neVendor>
</neDescriptor>
<searchPattern>*.</searchPattern>
<userType>U_MAINTAIN</userType>
<baseType>MAINTENANCE</baseType>
<description>The ASDL will Wait until the NE comes out of Maintenance
Mode</description>
</userDefinedExitType>
```

The 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 2–178   User Defined ASDL Exit Types

Search Pattern	User Type	Base Type	Description
((?s).)*GSX_MATCH_NOT_FOUND((?s).)*	GSX_MATCH_NOT_FOUND	FAIL	Unknown response from the NE.
((?s).)*ERR_DB_OPR_FAIL((?s).)*	GSX_ERR_DB_OPR_FAIL	FAIL	Database operation failed. The text error message might come directly from Oracle and/or Merant ODBC driver. The Oracle/ODBC error messages will be returned as is without any parsing.
((?s).)*ERR_REC_EXISTS((?s).)*	GSX_ERR_REC_EXISTS	FAIL	Trying to insert a record which already exists. For example, insert a carrier 02345 which already exists in database. Can only occur during CREATE commands.
((?s).)*ERR_REC_NOT_FOUND((?s).)*	GSX_REC_NOT_FOUND	FAIL	Record does not exist. For example, querying for a carrier 01234 which is not present in the database.
((?s).)*ERR_MISSING_VAL((?s).)*	GSX_ERR_MISSING_VAL	FAIL	An expected field value is missing, e.g. Subscriber Id not populated in a Subscriber insert request.
((?s).)*ERR_OUT_OF_RANGE((?s).)*	GSX_ERR_OUT_OF_RANGE	FAIL	The provided input data is not in range.
((?s).)*ERR_INVALID_VAL((?s).)*	GSX_ERR_INVALID_VAL	FAIL	The provided input data is invalid.
((?s).)*ERR_LEN((?s).)*	GSX_ERR_LEN	FAIL	The supplied length exceeds the limit associated with the value. For example, set the carrier value to 0123456789 where carrier id length is only 7 will result in this exception.
((?s).)*ERR_FKEY_NOT_FOUND((?s).)*	GSX_FKEY_NOT_FOUND	FAIL	Attempting to insert or update a record which contains a non-existent foreign key will result in this exception. For example, trying to use an authcode script ABC_SCR for a subscriber which doesn't exist.
((?s).)*ERR_FKEY_IN_USE((?s).)*	GSX_ERR_FKEY_IN_USE	FAIL	Entity is currently accessing this entities data.
((?s).)*ERR_TRANS_DEADLOCK((?s).)*	GSX_TRANS_DEADLOCK	FAIL	This indicates a serious error at the target GSX.
((?s).)*GEN_ERR((?s).)*	GSX_GEN_ERR	FAIL	General Errors.
((?s).)*No target found for instance provided((?s).)*	GSX_TARGET_EXCEPT	FAIL	Incorrect target instance or problem connecting.
((?s).)*ERR_API_INTERNAL((?s).)*	GSX_ERR_API_INTERNAL	FAIL	An unexpected error occurred in the server.

Table 2–178   (Cont.) User Defined ASDL Exit Types

Search Pattern	User Type	Base Type	Description
((?s).)*ERR_INTERNAL((?s).)*	GSX_ERR_INTERNAL	FAIL	This is an internal client API and/or PIPE server error error. The error message/code will be useful in detecting what went wrong.
((?s).)*ERR_IO((?s).)*	GSX_ERR_IO	RETRY	Connection with GSX server broken.
((?s).)*Telnet exception((?s).)*	GSX_TELEXCEPT	RETRY	Telnet exception on the NE.
((?s).)*IO Exception((?s).)*	GSX_IOEXCEPT	RETRY	IO Exception on the NE.
((?s).)*Result: Ok((?s).)*	GSX_COMPLD	SUCCEED	Successfully provisioned CLI command on the NE.
((?s).)*Error:((?s).)*	GSX_CMD_ERROR	FAIL	The MML command failed at the GSX NE.
((?s).)*error:((?s).)*	GSX_CMD_ERR	FAIL	The MML command failed at the GSX NE.
((?s).)*is not provided((?s).)*	GSX_MISS_MAND_PARMS	FAIL	Failure due to one or more missing mandatory parameters.

UserExitType.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<serviceModel xmlns="http://www.metasolv.com/ServiceActivation/2003/ServiceModel">
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>7-3-X<//softwareLoad>
            <technology>GSX9000<//technology>
            <neVendor>SONUS<//neVendor>
        <//neDescriptor>
        <searchPattern>((?s).)*GSX_MATCH_NOT_FOUND((?s).)*<//searchPattern>
        <userType>GSX_MATCH_NOT_FOUND<//userType>
        <baseType>FAIL<//baseType>
        <description>Unknown response from the NE.<//description>
    <//userDefinedExitType>
    ...................
    <//serviceModel >
```

3

Service Definition

The SONUS_GSX9000_7_3_X 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	Indicates one of the following parameter types: ■ S - Scalar, specifies the parameter label transmitted on the ASDL command. Scalar parameters are conventional name-value pair parameters. ■ C - Compound, specifies the base name of the compound parameter transmitted on the ASDL command. A compound parameter contains structures or arrays of information that are represented by a particular structure name or compound parameter name. Each compound parameter can contain a large number of elements. If you use compound parameters, you only require a single entry in the ASAP translation tables to call the compound parameter and all its associated parameter elements. ■ I - Indexed, identifies a parameter that contains a sequential numerical index value to tell the SARM that it should execute the same operation (for example, an ASDL command) for all occurrences of that index. Consequently, if there are several options on a particular CSDL command (OPT1, OPT2, OPT3, etc.), you can specify the OPT parameter as an indexed parameter. When you specify the OPT parameter as an indexed parameter, the SARM generates several occurrences of that same ASDL command and each command has a different value for the option being transmitted to the NEP. For more information on parameter types, refer to the *ASAP Developer's Guide*.

Table 3–1   (Cont.) ASDL Parameter Information

Item	Description
Class	Indicates one of the following parameter classifications: ■ R - Required scalar parameter ■ O - Optional scalar parameter ■ C - Required compound parameter ■ N - Optional compound parameter ■ M - Mandatory indexed parameter ■ I - Optional indexed parameter ■ S - Parameter count

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

CSDL Commands

This cartridge provides the following CSDL commands:

- C_SONUS-GSX9000_7-3-X_ADD_CAS-CHANNEL
- C_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE
- C_SONUS-GSX9000_7-3-X_ADD_ISDN-BCHANNEL
- C_SONUS-GSX9000_7-3-X_ADD_ISDN-BCHANNEL-OPERATION
- C_SONUS-GSX9000_7-3-X_ADD_ISDN-DCHANNEL
- C_SONUS-GSX9000_7-3-X_ADD_ISDN-INTERFACE
- C_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE
- C_SONUS-GSX9000_7-3-X_ADD_ISUP-CIRCUIT
- C_SONUS-GSX9000_7-3-X_ADD_ISUP-CIRCUIT-FAREND
- C_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE
- C_SONUS-GSX9000_7-3-X_ADD_SERVER
- C_SONUS-GSX9000_7-3-X_ADD_T1-FACILITY
- C_SONUS-GSX9000_7-3-X_ADD_T1-LOCAL-LOOPBACK
- C_SONUS-GSX9000_7-3-X_ADD_T1-PATTERN
- C_SONUS-GSX9000_7-3-X_ADD_T1-REMOTE-LOOPBACK
- C_SONUS-GSX9000_7-3-X_ADD_T1-TCAF-STATE
- C_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP
- C_SONUS-GSX9000_7-3-X_DEL_CAS-CHANNEL
- C_SONUS-GSX9000_7-3-X_DEL_CAS-SERVICE
- C_SONUS-GSX9000_7-3-X_DEL_ISDN-INTERFACE
- C_SONUS-GSX9000_7-3-X_DEL_ISDN-SERVICE
- C_SONUS-GSX9000_7-3-X_DEL_ISUP-CIRCUIT
- C_SONUS-GSX9000_7-3-X_DEL_ISUP-SERVICE

- C_SONUS-GSX9000_7-3-X_DEL_SERVER
- C_SONUS-GSX9000_7-3-X_DEL_TRUNK-GROUP
- C_SONUS-GSX9000_7-3-X_DIS_T1-FACILITY
- C_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL
- C_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-MODE
- C_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-STATE
- C_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE
- C_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-MODE
- C_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-STATE
- C_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL
- C_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL-MODE
- C_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL-STATE
- C_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL
- C_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-BACKUP-MODE
- C_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-PRIMARY-MODE
- C_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE
- C_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE-STATE
- C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE
- C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-GROUP
- C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-MODE
- C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-STATE
- C_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT
- C_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-MODE
- C_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-STATE
- C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE
- C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-ACC
- C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-GROUP
- C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-MODE
- C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-STATE
- C_SONUS-GSX9000_7-3-X_MOD_SERVER-MODE
- C_SONUS-GSX9000_7-3-X_MOD_SERVER-STATE
- C_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-IDLECODE
- C_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-LOOPBACK
- C_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-MODE
- C_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-TONE
- C_SONUS-GSX9000_7-3-X_MOD_T1-FACILITY
- C_SONUS-GSX9000_7-3-X_MOD_T1-FACILITY-MODE

- C_SONUS-GSX9000_7-3-X_MOD_T1-FACILITY-STATE
- C_SONUS-GSX9000_7-3-X_MOD_T1-LOCAL-LOOPBACK
- C_SONUS-GSX9000_7-3-X_MOD_T1-REMOTE-LOOPBACK
- C_SONUS-GSX9000_7-3-X_MOD_T1-TCAF-STATE
- C_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP
- C_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-MODE
- C_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-STATE
- C_SONUS-GSX9000_7-3-X_QRY_ALL-CAS-CHANNEL
- C_SONUS-GSX9000_7-3-X_QRY_ALL_ISUP-CIRCUIT
- C_SONUS-GSX9000_7-3-X_QRY_CAS-CHANNEL
- C_SONUS-GSX9000_7-3-X_QRY_CAS-SERVICE
- C_SONUS-GSX9000_7-3-X_QRY_ISDN-BCHANNEL
- C_SONUS-GSX9000_7-3-X_QRY_ISDN-INTERFACE
- C_SONUS-GSX9000_7-3-X_QRY_ISDN-SERVICE
- C_SONUS-GSX9000_7-3-X_QRY_ISUP-CIRCUIT
- C_SONUS-GSX9000_7-3-X_QRY_ISUP-SERVICE
- C_SONUS-GSX9000_7-3-X_QRY_SERVER
- C_SONUS-GSX9000_7-3-X_QRY_T1-CHANNEL-CONF
- C_SONUS-GSX9000_7-3-X_QRY_T1-CHANNEL-CONF-RB
- C_SONUS-GSX9000_7-3-X_QRY_T1-FACILITY
- C_SONUS-GSX9000_7-3-X_QRY_TRUNK-GROUP

C_SONUS-GSX9000_7-3-X_ADD_CAS-CHANNEL

Add CAS Channel.

Table 3–2   C_SONUS-GSX9000_7-3-X_ADD_CAS-CHANNEL

Parameter Name	Description	Range	Default Value	Type	Class
CAS_CHAN_ACTION	The method by which active calls on the designated channels are processed when oper-state goes to outOfService from inservice.	N/A	N/A	S	O
CAS_CHAN_ CHANRANGE	A set of channels. Must be one or more ranges of channels within the overall range 1-31.	N/A	N/A	S	R
CAS_CHAN_ CIRCUITPROFILE	The name of the Circuit Service Profile that you are applying to the designated channels.	N/A	N/A	S	O
CAS_CHAN_ DIRECTION	The direction of traffic allowed on the designated channel(s).	N/A	N/A	S	O
CAS_CHAN_MODE	The operational state of the designated channel(s).	N/A	N/A	S	O

Table 3–2   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_CAS-CHANNEL

Parameter Name	Description	Range	Default Value	Type	Class
CAS_CHAN_PORT	The automatically created (and possibly changed) name of the T1 or E1 span that is assigned to the CAS channels.	N/A	N/A	S	R
CAS_CHAN_ SERVICENAME	The name of the CAS service to which the channels are being assigned.	N/A	N/A	S	R
CAS_CHAN_STATE	The administrative state of the module in the CAS Channel. Values: disabled or enabled.	N/A	N/A	S	O
CAS_CHAN_ TIMEOUT	The time (in minutes) to wait to place the channel in the outOfService oper-state. Must be 1-1440, default is 5.	N/A	N/A	S	O
CAS_CHAN_ TMEMBER	A range of numbers with a one-to-one correspondence to the CHANNEL range that uniquely identifies the circuit endpoints within the trunk group. The GSX software maintains a list of available trunk member numbers for every trunk group. The size of the range must equal size of the CHANNEL range and each member of the range must be available.	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
OLD_CAS_CHAN_ ACTION	The method by which active calls on the designated channels are processed when oper-state goes to outOfService from inservice.	N/A	N/A	S	O
OLD_CAS_CHAN_ MODE	The operational state of the designated channel(s).	N/A	N/A	S	O
OLD_CAS_CHAN_ STATE	The administrative state of the module in the CAS Channel. Values: disabled or enabled. Use for the rollback action.	N/A	N/A	S	O
OLD_CAS_CHAN_ TIMEOUT	The time (in minutes) to wait to place the channel in the outOfService oper-state. Must be 1-1440, default is 5.	N/A	N/A	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

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_SONUS-GSX9000_7-3-X_ADD_CAS-CHANNEL	A_SONUS-GSX9000_7-3-X_ADD_CAS-CHANNEL

Table 3–3   (Cont.) CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_ADD_CAS-CHANNEL	A_SONUS-GSX9000_7-3-X_ADD_ CAS-CHANNEL-CONF
C_SONUS-GSX9000_7-3-X_ADD_CAS-CHANNEL	A_SONUS-GSX9000_7-3-X_ENABLE_ CAS-CHANNEL-MODE
C_SONUS-GSX9000_7-3-X_ADD_CAS-CHANNEL	A_SONUS-GSX9000_7-3-X_ENABLE_ CAS-CHANNEL-STATE

C_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE

Add CAS service.

Table 3–4   C_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
CAS_ACTION	The method by which calls on the channels using this CAS service are processed when oper-state goes to outOfService.	N/A	N/A	S	O
CAS_ANSUPVTO	When answer supervision is enabled, specifies the timeout period, in seconds, from the egress receiving the first backwards message from the called party exchange (Call Proceeding, Alerting, Call Progress) until the call is answered. If the timeout period expires, the answer supervision action specified is triggered.	N/A	N/A	S	O
CAS_ANUMLENGTH	For R2, specifies the length of a transmitted calling party number. A value of 0 implies variable length terminated by an end of digits signal. Otherwise, the value specifies the fixed length of the calling party number.	N/A	N/A	S	O
CAS_ AUTOBUSYTHRESHO LD	The number of signaling errors which are allowed prior to placing the channel into auto maintenance state. Once in this state the channel must be returned to service from the CLI. Must be 0-255, default is 0. Setting this field to 0 disables auto maintenance processing.	N/A	N/A	S	O
CAS_ BNUMENDDIGIT	BNUM End of Digits. Specifies whether the BNUM (or called party number/DNIS) should be terminated with the end of digits signal when dialed from the GSX.	N/A	N/A	S	O
CAS_CALLWAITING_ CALLERID_SSP	Specifies a CAS Signaling Sequence Profile (SSP) to execute for call waiting caller ID.	N/A	N/A	S	O
CAS_CBPROFNO	The index number of the CRANKBACK PROFILE to use with this CAS service group.	N/A	N/A	S	O

Table 3–4   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
CAS_CGRTIMEOUT	The time (in seconds) to wait to release a call when that call was rejected due to congestion. This parameter effectively prevents the machine congestion level from escalating due to rapid repeated call attempts by equipment that does not support congestion detection.	N/A	N/A	S	O
CAS_ CLRTOIDLETIME	Specifies the time, in milliseconds, that must elapse after a clear forward is received in order for a channel to be considered idle. This timer runs in parallel with the existing (and configurable) guard timer.	N/A	N/A	S	O
CAS_COST	The (relative) routing cost to the CAS service group. Must be 0-100, default is 50. A value of 100 represents the highest possible cost.	N/A	N/A	S	O
CAS_CPTONEPKG	Name of the call progress tone package. This profile defines ring back tones, dial tones, etc. The default profile is used by default for this function.	N/A	N/A	S	O
CAS_CPTONEPROV	Specifies whether call progress tones are provided by the far end switch on egress calls.	N/A	N/A	S	O
CAS_CPTONEREQ	Specifies whether call progress tones are required on ingress calls.	N/A	N/A	S	O
CAS_DTMFPROFILE	Name of the DTMF tone profile. This profile defines parameters specific to DTMF tone generation. The defaultDtmf profile is used by default for this function.	N/A	N/A	S	O
CAS_DTPROFILE	The name of the CAS Disconnect Treatment Profile that will be used to map a disconnect reason code to a Disconnect Signaling Sequence Profile (SSP) for this service group.	N/A	N/A	S	O
CAS_E1CBIT	Specifies the value of the forward/backward line signaling Cbit on E1 channels. This parameter is meaningful only when SIGNALTYPE is mfcr2.	N/A	N/A	S	O
CAS_E1DBIT	Specifies the value of the forward/backward line signaling Dbit on E1 channels. This parameter is meaningful only when SIGNALTYPE is mfcr2.	N/A	N/A	S	O
CAS_EGRESS_SSP	Name of the signaling sequence profile to use for all egress calls.	N/A	N/A	S	O
CAS_GROUP	An operation to be applied to the underlying CAS service group.	N/A	N/A	S	O

Table 3–4   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
CAS_GUARDTIME	The minimum time to allow the on-hook to propagate through the network when the call is terminated at the GSX. This interval allows the far end time to reuse the channel. The GSX will not reuse this channel until this interval expires. Must be 100-1500, default is 800 (milliseconds).	N/A	N/A	S	O
CAS_HOOKFLASH_ SSP	Name of the signaling sequence profile to execute whenever a hook flash is detected on an egress CAS channel in a connected call. This SSP is not meaningful for SIGNALTYPEs lsFxs, gsFxs, and mfcr2.	N/A	N/A	S	O
CAS_HUNT	The hunt algorithm used to select channels for calls made to or from this service group.	N/A	N/A	S	O
CAS_INGRESS_SSP	Name of the signaling sequence profile to use for all ingress calls.	N/A	N/A	S	O
CAS_LDC_ACTION	Specifies the action to take if the Long Duration Call (LDC) timer expires. The call may be released, a SNMP trap may be generated, or both	N/A	N/A	S	O
CAS_LDC_ EMERGENCY_CALLS	Specifies whether emergency calls should be excluded from, or included in Long Duration Call (LDC) disconnect procedures	N/A	N/A	S	O
CAS_LDC_RELEASE_ CAUSE	Specifies the GSX disconnect reason used to release the call if the call is released due to Long Duration Call (LDC) timer expiry	N/A	N/A	S	O
CAS_LDC_TIMEOUT	Specifies the timeout value of the Long Duration Call (LDC) timer in minutes.	N/A	N/A	S	O
CAS_ LSGSANSWERSUPV	Specifies whether line side answer supervision is supported.	N/A	N/A	S	O
CAS_MAINTBUSY	Specifies whether the (T1 or E1) channels are taken off-hook when they are put into maintenance mode (either manually or automatically).	N/A	N/A	S	O
CAS_MFCR2PROFILE	The name of the DSP Digit Profile used for MFCR2 digit reception and generation. This profile is meaningful only when SIGNALTYPE is mfcr2.	N/A	N/A	S	O
CAS_MFPROFILE	Name of the MF tone profile. This profile defines parameters specific to MF tone generation. The defaultMfr1 profile is used by default for this function.	N/A	N/A	S	O
CAS_MGCPACKAGE	The package used to control a particular CAS service for MGCP.	N/A	N/A	S	O
CAS_MODE	The operational state of the CAS service.	N/A	N/A	S	O

Table 3–4   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
CAS_PSC_SSP	Name of the signaling sequence profile to execute for a permanent signal condition (PSC). PSC occurs when the GSX has gone on-hook at the end of its call but the far end remains off-hook. After disconnect treatment processing completes for this call, this SSP will be executed.	N/A	N/A	S	O
CAS_RXFLASHMAX	The maximum flash receive time. Must be 300-1100, default is 700 (milliseconds). This parameter does not apply to loop start / ground start FXS.	N/A	N/A	S	O
CAS_RXFLASHMIN	The minimum flash receive time. Must be 300-1100, default is 300 (milliseconds).	N/A	N/A	S	O
CAS_RXFXSANSWER	Specifies the time interval, in milliseconds, that the RLCF signal must be received in order to be considered an answer. This parameter is only meaningful for SIGNALTYPEs lsFxs and gsFxs.	N/A	N/A	S	O
CAS_RXFXSDISC	Specifies the time interval, in milliseconds, that the LCFO signal must be received in order to be considered a disconnect. This parameter is meaningful only for SIGNALTYPEs lsFxS and gsFxs.	N/A	N/A	S	O
CAS_RXLSFXSRINGCESS	Specifies the time interval, in milliseconds, that the lack of a Ring signal must be detected in order to be considered an abandoned call. This parameter is meaningful only for SIGNALTYPE lsFxs.	N/A	N/A	S	O
CAS_RXR2ANSWER	For R2, specifies the duration (in milliseconds) that an answer signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_RXR2BLOCK	For R2, specifies the duration (in milliseconds) that a block signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_RXR2CLEARBACK	For R2, specifies the duration (in milliseconds) that a clear back signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_RXR2CLEARFWD	For R2, specifies the duration (in milliseconds) that a clear forward signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_RXR2IDLEBACK	For R2, specifies the duration (in milliseconds) that an idle back signal must be present before it is considered a valid signal.	N/A	N/A	S	O

Table 3–4   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
CAS_RXR2SEIZE	For R2, specifies the duration (in milliseconds) that a seize signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_RXR2SEIZEACK	For R2, specifies the duration (in milliseconds) that a seize ACK signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_RXSEIZERING	Specifies the time interval, in milliseconds, that a seizure signal must be received in order to be considered a seizure/ ring.	N/A	N/A	S	O
CAS_RXWINKMAX	The maximum wink receive time. Must be 100-800, default is 700 (milliseconds).	N/A	N/A	S	O
CAS_RXWINKMIN	The minimum wink receive time. Must be 100-800, default is 100 (milliseconds).	N/A	N/A	S	O
CAS_SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
CAS_SIGNALTYPE	The CAS signaling type in use throughout the service.	N/A	N/A	S	O
CAS_SIGVARIANT	The signaling variant that the CAS service group should emulate.	N/A	N/A	S	O
CAS_SKIP_CB_PROF	The index number of the SKIP CRANKBACK PROFILE to use with this CAS service group. This must specify a valid Skip Crankback profile index	N/A	N/A	S	O
CAS_STATE	The administrative state of this CAS service group.	N/A	N/A	S	O
CAS_SUSPENDTIME	The timeout value in milliseconds before a call in which the called party disconnected first is terminated.	N/A	N/A	S	O
CAS_SWITCHSIDE	The switch side the CAS Service Group should emulate.	N/A	N/A	S	O
CAS_TIMEOUT	The time (in minutes) to wait to place the CAS channels in the outOfService oper-state.	N/A	N/A	S	O
CAS_TRUNKGROUP	The name of the trunk group of which this CAS service is a member.	N/A	N/A	S	O
CAS_TXFLASH	The flash transmit time. Must be 300-1100, default is 500 (milliseconds). This parameter is not meaningful for SIGNALTYPEs lsFxo and gsFxo.	N/A	N/A	S	O
CAS_TXFXORINGOFF	Specifies the time interval, in milliseconds, that the Ring off signal must be transmitted by the FXO side. This parameter is meaningful only for SIGNALTYPEs lsFxo and gsFxo.	N/A	N/A	S	O

Table 3–4   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
CAS_TXFXORINGON	Specifies the time interval, in milliseconds, that the Ring on signal must be transmitted by the FXO side. This parameter is meaningful only for SIGNALTYPEs lsFxo and gsFxo.	N/A	N/A	S	O
CAS_TXLSFXODISC	Specifies the time interval, in milliseconds, that the LCFO signal must be transmitted by the foreign exchange office (FXO) side in order to release a call. When you specify a value of 0, the LCFO signal is disabled. This parameter is meaningful only for SIGNALTYPE lsFxo.	N/A	N/A	S	O
CAS_TXOSI	For Visual Message Waiting Indicator, specifies the length (in milliseconds) that the Open Switching Interval (OSI) signal is sent	N/A	N/A	S	O
CAS_TXR2ENDDIGIT	For R2, specifies the transmit end of the digits signal.	N/A	N/A	S	O
CAS_TXWINK	The wink transmit time. Must be 100-800, default is 200 (milliseconds).	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
OLD_CAS_ACTION	The method by which calls on the channels using this CAS service are processed when oper-state goes to outOfService.	N/A	N/A	S	O
OLD_CAS_MODE	The operational state of the CAS service.	N/A	N/A	S	O
OLD_CAS_STATE	Administrative state of CAS Service. Use for rollback	N/A	N/A	S	O
OLD_CAS_TIMEOUT	The time (in minutes) to wait to place the CAS channels in the outOfService oper-state. Must be 1-1440.	N/A	N/A	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

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_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE	A_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE
C_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE	A_SONUS-GSX9000_7-3-X_ADD_ CAS-SERVICE-CONF
C_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE	A_SONUS-GSX9000_7-3-X_ENABLE_ CAS-SERVICE-STATE
C_SONUS-GSX9000_7-3-X_ADD_CAS-SERVICE	A_SONUS-GSX9000_7-3-X_ENABLE_ CAS-SERVICE-MODE

C_SONUS-GSX9000_7-3-X_ADD_ISDN-BCHANNEL

Adds, configures and places a configuration in the service B-channels.

Table 3–6   C_SONUS-GSX9000_7-3-X_ADD_ISDN-BCHANNEL

Parameter Name	Description	Range	Default Value	Type	Class
BCHANNEL	A single B-channel number or a set of B-channels. Must be one or more ranges of Bchannels within the overall range 1-23.	N/A	N/A	S	R
BCHANNEL_ DIRECTION	The direction of traffic allowed on the designated Bchannel(s): twoWay (accept all calls), oneWayIn (accept only inbound calls), oneWayOut (accept only outbound calls).	N/A	N/A	S	O
BCHANNEL_TRUNK_ MEMBER	A number that uniquely identifies this circuit endpoint within the trunk group. The GSX software maintains a list of available trunk member numbers for every trunk group. The trunk member number that is assigned to the BCHANNEL number must be available. Must be 0-65535.	N/A	N/A	S	O
CIRCUITPROFILENA ME	The name of the Circuit Service Profile that you are applying to the designated B-channels.	N/A	N/A	S	O
ENABLE_ BCHANNEL_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
ENABLE_ BCHANNEL_MODE	The operational state of the server module in the GSX chassis: inservice (active), outofservice (not active, able to put into disabled administrative state).	N/A	inservice	S	O
ENABLE_ BCHANNEL_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	enabled	S	R
ENABLE_ BCHANNEL_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
INTERFACE	The number of the ISDN Interface that contains the designated B-channels. Must be 0-20.	N/A	N/A	S	R
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R

Table 3–6   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_ISDN-BCHANNEL

Parameter Name	Description	Range	Default Value	Type	Class
OLD_ENABLE_ BCHANNEL_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
OLD_ENABLE_ BCHANNEL_MODE	The operational state of the server module in the GSX chassis: inservice (active), outofservice (not active, able to put into disabled administrative state).	N/A	N/A	S	O
OLD_ENABLE_ BCHANNEL_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled. Use for the rollback action.	N/A	N/A	S	O
OLD_ENABLE_ BCHANNEL_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R

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_SONUS-GSX9000_7-3-X_ADD_ISDN-BCHANNEL	A_SONUS-GSX9000_7-3-X_ADD_ISDN-BCHANNEL
C_SONUS-GSX9000_7-3-X_ADD_ISDN-BCHANNEL	A_SONUS-GSX9000_7-3-X_ENABLE_ ISDN-BCHANNEL-STATE
C_SONUS-GSX9000_7-3-X_ADD_ISDN-BCHANNEL	A_SONUS-GSX9000_7-3-X_ENABLE_ ISDN-BCHANNEL-MODE

C_SONUS-GSX9000_7-3-X_ADD_ISDN-BCHANNEL-OPERATION

Adds an operation to the designated ISDN B-channel.

Table 3–8   C_SONUS-GSX9000_7-3-X_ADD_ISDN-BCHANNEL-OPERATION

Parameter Name	Description	Range	Default Value	Type	Class
BCHANNEL	A single B-channel number or a set of B-channels. Must be one or more ranges of Bchannels within the overall range 1-23.	N/A	N/A	S	R
BCHANNEL_ OPERATION	An operation to be applied to the designated B-channel(s): restart (restart the B-channel).	N/A	restart	S	R
INTERFACE	The number of the ISDN Interface that contains the designated B-channels. Must be 0-20.	N/A	N/A	S	R
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	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_SONUS-GSX9000_7-3-X_ADD_ ISDN-BCHANNEL-OPERATION	A_SONUS-GSX9000_7-3-X_ADD_ ISDN-BCHANNEL-OPERATION

C_SONUS-GSX9000_7-3-X_ADD_ISDN-DCHANNEL

Adds, activates and places the configuration in the service D-channels.

Table 3–10   C_SONUS-GSX9000_7-3-X_ADD_ISDN-DCHANNEL

Parameter Name	Description	Range	Default Value	Type	Class
BACKUP_INTERFACE	The ISDN service group backup D-channel interface. Must be 0-20, default is 1.	N/A	N/A	S	R
BACKUP_TIMESLOT	The ISDN service group backup D-channel time slot. Must be 0-31, default is 24, or 16 when SWITCHTYPE is euroIsdn.	N/A	N/A	S	O
ENABLE_BACKUP_ MODE	The ISDN service group backup D-channel mode: inService (active), outOfService (inactive), unEquipped (unable to be used for signaling).	N/A	inService	S	R
ENABLE_PRIMARY_ MODE	The ISDN service group primary D-channel mode: inService (active), outOfService (inactive).	N/A	inService	S	R
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R

Table 3–10 (Cont.) C_SONUS-GSX9000_7-3-X_ADD_ISDN-DCHANNEL

Parameter Name	Description	Range	Default Value	Type	Class
OLD_ENABLE_ BACKUP_MODE	The ISDN service group backup D-channel mode: inService (active), outOfService (inactive), unEquipped (unable to be used for signaling).	N/A	N/A	S	O
OLD_ENABLE_ PRIMARY_MODE	The ISDN service group primary D-channel mode: inService (active), outOfService (inactive).	N/A	N/A	S	O
PRIMARY_ INTERFACE	The ISDN service group primary D-channel interface. Must be 0-20, default is 0.	N/A	N/A	S	R
PRIMARY_TIMESLOT	The ISDN service group primary D-channel time slot. Must be 0-31, default is 24, or 16 when SWITCHTYPE is euroIsdn.	N/A	N/A	S	O
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	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_SONUS-GSX9000_7-3-X_ADD_ISDN-DCHANNEL	A_SONUS-GSX9000_7-3-X_ADD_ ISDN-DCHANNEL-PRIMARY
C_SONUS-GSX9000_7-3-X_ADD_ISDN-DCHANNEL	A_SONUS-GSX9000_7-3-X_ENABLE_ ISDN-DCHANNEL-PRIMARY-MODE
C_SONUS-GSX9000_7-3-X_ADD_ISDN-DCHANNEL	A_SONUS-GSX9000_7-3-X_ADD_ ISDN-DCHANNEL-BACKUP
C_SONUS-GSX9000_7-3-X_ADD_ISDN-DCHANNEL	A_SONUS-GSX9000_7-3-X_ENABLE_ ISDN-DCHANNEL-BACKUP-MODE

C_SONUS-GSX9000_7-3-X_ADD_ISDN-INTERFACE

Adds an ISDN Interface to an ISDN Service.

Table 3–12 C_SONUS-GSX9000_7-3-X_ADD_ISDN-INTERFACE

Parameter Name	Description	Range	Default Value	Type	Class
ENABLE_ INTERFACE_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	enabled	S	R
INTERFACE	The Q.931 interface identifier. Must be 0-19 or 1-20.	N/A	N/A	S	R
ISDN_INTERFACE_ PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
ISDN_INTERFACE_ SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O

Table 3–12   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_ISDN-INTERFACE

Parameter Name	Description	Range	Default Value	Type	Class
ISDN_INTERFACE_ SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
ISDN_INTERFACE_ SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
ISDN_INTERFACE_ T1NAME	The automatically created name of the T1 or E1 span that is assigned to the ISDN interface.	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
OLD_ENABLE_ INTERFACE_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	O
SERVICENAME	The name of the ISDN service to which this ISDN Interface is linked.	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_SONUS-GSX9000_7-3-X_ADD_ISDN-INTERFACE	A_SONUS-GSX9000_7-3-X_ADD_ISDN-INTERFACE
C_SONUS-GSX9000_7-3-X_ADD_ISDN-INTERFACE	A_SONUS-GSX9000_7-3-X_ADD_ ISDN-INTERFACE-CONF
C_SONUS-GSX9000_7-3-X_ADD_ISDN-INTERFACE	A_SONUS-GSX9000_7-3-X_ENABLE_ ISDN-INTERFACE-STATE

C_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE

Adds an ISDN Service to a trunk group and assigns a name and properties to this binding.

Table 3–14   C_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
ANSWER_SUPV_ TIMEOUT_ACTION	Specifies action to take when the answer supervision timer expires	N/A	N/A	S	O
BCHANNEL_ NEGOTIATION	The time (in seconds) to wait to release a call when that call was rejected due to congestion.	N/A	N/A	S	O
BCHANNEL_ RESTART	Specifies whether B-channels are brought into service with RESTART messages: yes (RESTARTs are sent for each channel when datalink establishes), no (the channels are brought into service with SERVICE messages, unless bcas is no).	N/A	N/A	S	O
BCHANNEL_ SIGNALING	Specifies whether SERVICE messages will be used to communicate the B-channel state: yes (service messages are used), no (service messages disabled).	N/A	N/A	S	O
BEARER_ CAPABILITY_ FALLBACK	Specifies whether bearer capability fall back is allowed on the network: no (not allowed), yes (allowed).	N/A	N/A	S	O
CALLED_PARTY_ SUBADDRESS_ DELIVERY	Specifies whether a called party subaddress information element is included within an outgoing setup for delivery to the Customer Provided Equipment (CPE): no, yes, conditional.	N/A	N/A	S	O
CALLED_PARTY_ SUBADDRESS_ TRANSFER	Specifies whether a called party subaddress information element is accepted in the incoming setup: no, yes, conditional.	N/A	N/A	S	O
CALLING_PARTY_ NAME_DELIVER	Specifies whether the Calling Party Name is delivered in an outgoing SETUP message: no yes	N/A	N/A	S	O
CALLING_PARTY_ NAME_RECEIVE_ TIMER	Specifies timer to wait for the name. If the timer expires before the name is received, the call proceeds without the name. 0 = Disabled. The GSX ignores any indication (in a Setup) that information is following, processes the call normally, and ignores any CNAME that arrives later. 1-3600 = Enabled; When there is indication that information is following, the GSX begins processing the call but holds the Setup until the CNAME is received or until the timer expires, whichever comes first.	N/A	N/A	S	O
CALLING_PARTY_ NUM_DELIVERY	Specifies whether a CPN or RN is included within an outgoing setup. Valid values: no or yes.	N/A	N/A	S	O
CALLING_PARTY_ NUM_DISCARD	Specifies whether a CPN, or Redirecting Number (RN), that is not screened or that fails screening is discarded. Values: no or yes.	N/A	N/A	S	O

Table 3–14 (Cont.) C_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
CALLING_PARTY_ NUM_ PRESENTATION	The default presentation indicator: no (presentation prohibited), yes (presentation allowed).	N/A	N/A	S	O
CALLING_PARTY_ NUM_PROVISION	Specifies whether a CPN is required in the incoming setup: necessary (the incoming call is rejected if no CPN is provided), notNecessary (the DN must be specified and is used as the CPN).	N/A	N/A	S	O
CALLING_PARTY_ SUBADDRESS_ DELIVERY	Specifies whether a CPS is included within an outgoing setup for delivery to the Customer Provided Equipment (CPE): no (discard the CPS), yes (include the CPS in the setup), conditional (include the CPS if the CPN was also accepted).	N/A	N/A	S	O
CALLING_PARTY_ SUBADDRESS_ TRANSFER	Specifies whether a calling party subaddress information element (CPS) is accepted in the incoming setup: no (discard the CPS), yes (accept the CPS). Conditional.	N/A	N/A	S	O
CGRTIMEOUT	The time (in seconds) to wait to release a call when that call was rejected due to congestion. This parameter effectively prevents the machine congestion level from escalating due to rapid repeated call attempts by equipment that does notsupport congestion detection. Must be 0-5 (seconds), default is 0. A value of 0 disables this timer.	N/A	N/A	S	O
CONFIRMATION_ TONE	Specifies a confirmation tone to play when the ISDN call is answered (prior to media cut through). The confirmation tone must be configured as part of the ISDN service group's TONE PACKAGE.	N/A	N/A	S	O
CONF_TONE_ OVERRIDE	Specifies support for subscriber-level confirmation tore	N/A	N/A	S	O
CRANKBACK_ PROFILE	The index number of the CRANKBACK PROFILE to use with this ISUP service group. This must specify a valid Call Crankback profile index, in the range 1-10. The default is 1, or Call Crankback Profile default.	N/A	N/A	S	O
DIAL_TONE	Specifies the dial tone to play when the ISDN service group is emulating a euroIsdn switch and overlap addressing is in effect.	N/A	N/A	S	O
DIRECTORY_ NUMBER	The default directory number (DN). When a calling party number (CPN) is provided in the incoming setup, the DN is used as the billing number. When the CPN is absent from the incoming setup, the DN is used as the CPN.	N/A	N/A	S	O

Table 3–14   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
DISCONNECT_ PROFILE	The name of a Disconnect Treatment Profile that will be used to map a disconnect reason code to a Disconnect Signaling Sequence Profile (SSP) for this service group.	N/A	N/A	S	O
DISCONNECT_SSP	The name of a Disconnect SSP Profile that will be used for this service group.	N/A	N/A	S	O
EARLY_ACM_FOR_ ISUP	When interworking between ISDN and ISUP, specifies whether or not to deliver an early address complete message (ACM): no, yes.	N/A	N/A	S	O
EARLY_CUT_ AUDIBLE_RING	Specifies whether early cut through is allowed on an audible ring: no (Disable early cut through), yes (Enable early cut through).	N/A	N/A	S	O
EARLY_CUT_ NETWORK_ INTERWORK	Specifies whether early cut through is allowed on network interworking: no (Disable early cut through), yes (Enable early cut through).	N/A	N/A	S	O
ENABLE_ISDN_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup-all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped. force-all calls are dropped immediately.	N/A	N/A	S	O
ENABLE_ISDN_ MODE	The operational state of the server module in the GSX chassis: inservice (active), outofservice (not active, able to put into disabled administrative state).	N/A	inservice	S	O
ENABLE_ISDN_ STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	enabled	S	R
ENABLE_ISDN_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
GUARDTIMER	Specifies the time, in milliseconds, to delay subsequent hunting of a channel after a call is released. Must be 0-9999(milliseconds), default is 0. A value of 0 directs immediate hunting of the channel. An incoming call will be allowed to proceed, even if the timer is running.	N/A	N/A	S	O
IMMEDIATE_DISC_ INBAND_TONES	Specifies action to take when the GSX receives a DISCONNECT with inband tones	N/A	N/A	S	O

Table 3–14   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
ISDN_ ANSSUPVTIMEOUT	When answer supervision is enabled, specifies the timeout period, in seconds, from the egress receiving the first backwards message from the called party exchange (Call Proceeding, Alerting, Call Progress) until the call is answered. If the timeout period expires, the answer supervision action specified is triggered. Must be 1-1000.	N/A	N/A	S	O
ISDN_COST	The (relative) routing cost to the ISDN service group. Must be 0-100, default is 50. A value of 100 represents the highest possible cost.	N/A	N/A	S	O
ISDN_HUNT	The hunt algorithm used to select channels for calls destined to this service group: lowlow, highhigh, circularforward, circularbackward.	N/A	N/A	S	O
ISDN_SWITCHTYPE	The network switch type the ISDN service group will emulate. Valid values: ni2, dms250, dms100, 5ess, 4ess, euroIsdn, ins1500.	N/A	N/A	S	O
ISDN_TGNAME	The name of the trunk group that this ISDN service belongs to.	N/A	N/A	S	O
LDC_ACTION	Specifies the action to take if the Long Duration Call (LDC) timer expires. The call may be released, a SNMP trap may be generated, or both	N/A	N/A	S	O
LDC_EMERGENCY_ CALLS	Specifies whether emergency calls should be excluded from, or included in Long Duration Call (LDC) disconnect procedures	N/A	N/A	S	O
LDC_RELEASE_ CAUSE	Specifies the GSX disconnect reason used to release the call if the call is released due to Long Duration Call (LDC) timer expiry	N/A	N/A	S	O
LDC_TIMEOUT	Specifies the timeout value of the Long Duration Call (LDC) timer in minutes.	N/A	N/A	S	O
MIN_DIGITS_DS_ QUERY	Specifies the minimum number of CalledAddress digits to collect before attempting a route query, when overlap addressing is supported and CalledAddress receive is not complete. Must be 0-30, default is 0 (digits).	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
OLD_ENABLE_ISDN_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup-all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped. force-all calls are dropped immediately.	N/A	N/A	S	O

Table 3–14   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
OLD_ENABLE_ISDN_MODE	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately. Use for the rollback action.	N/A	N/A	S	O
OLD_ENABLE_ISDN_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled. Use for the rollback action.	N/A	N/A	S	O
OLD_ENABLE_ISDN_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately. Use for the rollback action.	N/A	N/A	S	O
OLI_DELIVERY	Specifies whether Originating Line Identification (OLI) delivery is supported on ISDN switch types	N/A	N/A	S	O
PROFILENAME	The name of an ISDN service profile to use to provide all undeclared parameter values in this ISDN service.	N/A	N/A	S	O
PROGRESS_ON_ACM_WITH_CAUSE	Specifies whether a Progress message is sent on receiving an ACM/CPG with Cause Indicators (ISDN to ISUP/SIP-I calls only)	N/A	N/A	S	O
REMOTE_SWITCH_TYPE	The remote switch type. This should only be set to something other than default if the remote switch type has unique behavior. Currently, the unique behavior is meridian: default, meridian.	N/A	N/A	S	O
SERVICENAME	The name of the ISDN service that is being created and configured.	N/A	N/A	S	R
SERVICETYPE	Specifies the type of ISDN service group to be configured: default - Standard service for trunk groups that use contiguous spans of B-channels: dchannel - A service associated exclusively with the D-channel: bchannel - A call processing service associated with B-channels and assigned to a trunk group.	N/A	N/A	S	O
SKIP_CB_PROFILE	The index number of the SKIP CRANKBACK PROFILE to use with this ISDN service group.	N/A	N/A	S	O
SWITCHPROFILE	The name of the ISDN switch profile to be used by the ISDN service group. This file has embedded information that describes the SWITCHTYPE.	N/A	N/A	S	O
SWITCHSIDE	The switch side that this ISDN service group should act as: network (a switch on the network side), user (a switch on the user side).	N/A	N/A	S	O

Table 3–14   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
TONE_PACKAGE	The name of a tone package to be used by this ISDN service group.	N/A	N/A	S	O
TWO_BCHANNEL_ ACKNOWLEDGE	Specifies the type of message to carry the TBCT acknowledgement: facility (Send a FACILITY message to carry the ACK), disconnect (Carry the ACK in the DISC message used to clear the call leg to the controller).	N/A	N/A	S	O
TWO_BCHANNEL_ ACTIVE_LIMIT	Specifies the number of simultaneously active TBCTs allowed on the configured PRI. Must be 0 to 60000. Default is 100. A value of 0 indicates no limit.	N/A	N/A	S	O
TWO_BCHANNEL_ ENABLED	Specifies whether ISDN PRI Two B-channel Transfer (TBCT) is enabled for this ISDN service group: yes (permit TBCT call transfers), no (do not permit TBCT call transfers).	N/A	N/A	S	O
TWO_BCHANNEL_ INTERVAL_LIMIT	Specifies the number of transfer requests allowed on the configured PRI within a 10 second interval. Must be 0 to 500. Default is 10. A value of 0 indicates no limit.	N/A	N/A	S	O
TWO_BCHANNEL_ NOTIFICATION_ CONTROLLER	Specifies whether a notification is provided to the ISDN controller when a TBCT is cleared: yes-provide controller notification when the call is cleared no-do not provide notification to the controller	N/A	N/A	S	O
TWO_BCHANNEL_ NOTIFICATION_ USERS	Specifies whether a notification is provided to the transferred users when a TBCT occurs: yes-provide user with notification when the call is transferred no-do not provide notification	N/A	N/A	S	O

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_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE	A_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE
C_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE	A_SONUS-GSX9000_7-3-X_ADD_ ISDN-SERVICE-CONF
C_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE	A_SONUS-GSX9000_7-3-X_ENABLE_ ISDN-SERVICE-STATE
C_SONUS-GSX9000_7-3-X_ADD_ISDN-SERVICE	A_SONUS-GSX9000_7-3-X_ENABLE_ ISDN-SERVICE-MODE

C_SONUS-GSX9000_7-3-X_ADD_ISUP-CIRCUIT

Adds an ISUP Circuit by configuring the trunk CICs (Call Instance Code) associated with a SS7 service.

Table 3–16   C_SONUS-GSX9000_7-3-X_ADD_ISUP-CIRCUIT

Parameter Name	Description	Range	Default Value	Type	Class
CHANNEL	The set of channels that the CICs (above) are bound to. Must be in the overall range 1-32, but is limited to 1-24 when the PORT is a T1 span. Any discrete set of channels within this range may be specified as discussed below.	N/A	N/A	S	O
CIC	The set of CICs that comprise this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0-16383-ANSI1992 and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R
DIRECTION	The type of call traffic these CICs can handle. Valid values: twoway (accept all PSTN calls), onewayin (accept only inbound PSTN calls), onewayout (accept only outbound PSTN calls).	N/A	N/A	S	O
ENABLE_ISC_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
ENABLE_ISC_MODE	The operational state of the server module in the GSX chassis: inservice (Active), outofservice (Not active, able to put into disabled administrative state).	N/A	inservice	S	O
ENABLE_ISC_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	enabled	S	R
ENABLE_ISC_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
ISCNAME	The name of the ISUP service used by the circuit that you are configuring.	N/A	N/A	S	R
ISC_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
ISC_SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
ISC_SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O

Table 3–16   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_ISUP-CIRCUIT

Parameter Name	Description	Range	Default Value	Type	Class
ISC_SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
ISC_T1NAME	The (automatically generated and possibly changed) name of the T1 span that contains the channels that comprise this ISUP circuit. For CNS10 default names are T1-shn-sln-spn or T1-shn-sln-ptn-spn.	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
OLD_ENABLE_ISC_ ACTION	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
OLD_ENABLE_ISC_ MODE	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
OLD_ENABLE_ISC_ STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	O
OLD_ENABLE_ISC_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
SERVICEPROFILENA ME	The name of the Circuit Service Profile that you are applying to this ISUP circuit.	N/A	N/A	S	O
TRUNK_MEMBER	A range of numbers with a one-to-one correspondence to the CIC range that uniquely identifies the circuit endpoints within the trunk group. The GSX software maintains a list of available trunk member numbers for every trunk group. The size of the range must equal the size of the CIC range and each member of the range must be available. Must be 0-65535.	N/A	N/A	S	O

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_SONUS-GSX9000_7-3-X_ADD_ISUP-CIRCUIT	A_SONUS-GSX9000_7-3-X_ADD_ISUP-CIRCUIT
C_SONUS-GSX9000_7-3-X_ADD_ISUP-CIRCUIT	A_SONUS-GSX9000_7-3-X_ADD_ ISUP-CIRCUIT-CONF
C_SONUS-GSX9000_7-3-X_ADD_ISUP-CIRCUIT	A_SONUS-GSX9000_7-3-X_ENABLE_ ISUP-CIRCUIT-STATE
C_SONUS-GSX9000_7-3-X_ADD_ISUP-CIRCUIT	A_SONUS-GSX9000_7-3-X_ENABLE_ ISUP-CIRCUIT-MODE

C_SONUS-GSX9000_7-3-X_ADD_ISUP-CIRCUIT-FAREND

Adds an ISUP Circuit Service Farend.

Table 3–18   C_SONUS-GSX9000_7-3-X_ADD_ISUP-CIRCUIT-FAREND

Parameter Name	Description	Range	Default Value	Type	Class
CIC	The set of CICs that comprise this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0-16383-ANSI1992 and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R
FAREND_TEST	The farend action taken on this ISUP circuit.	N/A	N/A	S	R
ISCNAME	The name of the ISUP service used by the circuit that you are configuring.	N/A	N/A	S	R
NE_ID_SONUS_ GSX9000	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 3–19   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_ADD_ ISUP-CIRCUIT-FAREND	A_SONUS-GSX9000_7-3-X_ADD_ ISUP-CIRCUIT-FAREND

C_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE

Adds an ISUP service to a trunk group.

Table 3–20   C_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
ANSSUPVTIMEOACT	Specifies the action to take if the answer supervision timer expires (i.e. no signaled answer is received): release - release the call: softanswer - answer the call.	N/A	N/A	S	O
ANSSUPVTIMEOUT	When answer supervision is enabled, specifies the timeout period, in seconds, from the egress receiving the first backwards message from the called party exchange (Call Proceeding, Alerting, Call Progress) until the call is answered.	N/A	N/A	S	O
CALLSPERSEGMENT	Specifies the number of calls to be cleared at a time (per CNS) when performing call cleanup. This translates into the number of REL and RSC messages sent simultaneously. Must be 1 to 25.	N/A	N/A	S	O
CBPROFNO	The index number of the CRANKBACK PROFILE to use with this ISUP service group. This must specify a valid Call Crankback profile index, in the range 1-10. The default is 1, or Call Crankback Profile default.	N/A	N/A	S	O
CGRTIMEOUT	The time (in seconds) to wait to release a call when that call was rejected due to congestion. This parametereffectively prevents the machine congestion level from escalating due to rapid repeated call attempts byequipment that does not support congestion detection. Must be 0-5 (seconds), default is 0. A value of 0disables this timer.If this value is nonzero, the timer is started when a call is rejected due to congestion. When the timer expires, the network release is sent and the call resources are deallocated. If a network release is received during the delay, the timer is stopped and the call resources are deallocated.	N/A	N/A	S	O
CHARGE_AREA	Specifies the 5-digit Terminating Charge Area value. The Charge Area is set in the ACM or CPG message if a script is returned from the PSX or for a Disconnect Treatment Profile.	N/A	N/A	S	O
CLLI_BUILDING_ CODE	The building code to be used in the CLLI parameter for ANSI GR317 circuit validation test failure. Must be a two character string, default is 00.	N/A	N/A	S	O
CLLI_BUILDING_ SUB_DIVISION_CODE	The building sub division code to be used in the CLLI parameter for ANSI GR317 circuit validation test failure. Must be a three character string, default is 000.	N/A	N/A	S	O

Table 3–20   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
CLLI_STATE_CODE	The state code to be used in the CLLI parameter for ANSI GR317 circuit validation test failure. Must be a two character string, default is 00.	N/A	N/A	S	O
CLLI_TOWN_CODE	The town code to be used in the CLLI parameter for ANSI GR317 circuit validation test failure. Must be a four character string, default is 0000.	N/A	N/A	S	O
CLUSTER_ROUTING	Specifies whether this DPC supports cluster routing (also known as member routing). Valid values: unsupported or supported.	N/A	N/A	S	O
CONFIRMATION_ TONE	A confirmation tone to play when the ISUP call is answered (prior to media cut through). The confirmation tone must be configured as part of the ISUP service group's TONE PACKAGE. A confirmation tone is typically used by a calling PBX to begin billing.	N/A	N/A	S	O
CONFTONEOVER	Specifies support for subscriber-level confirmation tone: suppported - a confirmation tone plays for all ingress calls: unsupported - use the Calling Party Subscriber screen on the PSX to activate the confirmation tone.	N/A	N/A	S	O
CONTFREQ	The frequency with which Continuity Tests will be performed on each ISUP Service Group circuit. Must be 0-16.	N/A	N/A	S	O
CONTROL	The set of CICs controlled by this GSX for the sake of resolving dual-seizure scenarios. Additionally, if the HUNT parameter is set to mostnleastidle, a CIC search algorithm is also implied.	N/A	N/A	S	O
COST	The relative cost of using the CICs configured in this service. Must be 0-100. A value of 100 represents the highest possible cost.	N/A	N/A	S	O
CUTTHRUOVERRIDE	Specifies whether to override the protocol-specific cut through direction when the ACM is receivedwith a backward call indicator (BCI) of Interworking Encountered: unsupported - no override will occurl: backwardscutthru - perform backwards cut through: fullduplexcutthru - perform a full duplex cut through: nocutthru - perform no cut through	N/A	N/A	S	O
DEL_IXC_TC_CODE	Specifies whether to prevent (delete) transit carrier (TC) or inter-exchange carrier (IXC) sub-parameters from being sent in the carrier information transfer (CIT) parameter.	N/A	N/A	S	O

Table 3–20   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
DISCONNECT_ TREATMENT_ PROFILE	The name of a Disconnect Treatment Profile that will be used to map a disconnect reason code to a Disconnect Signaling Sequence Profile (SSP) for the ISUP service.	N/A	N/A	S	O
DPC	The destination point code of the central office switch that this service is connected to.	N/A	N/A	S	O
ENABLE_ISUP_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
ENABLE_ISUP_MODE	The operational state of the server module in the GSX chassis. Valid values: inservice (Active), outofservice (Not active, able to put into disabled administrative state).	N/A	inservice	S	O
ENABLE_ISUP_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	enabled	S	R
ENABLE_ISUP_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
GRSATSTARTUP	Specifies whether to issue reset messages to all circuits in this service group when a CNS module is started or restarted.	N/A	N/A	S	O
HOPCOUNTSTATE	The state of Hop Counting procedures for this service group.	N/A	N/A	S	O
HOPCOUNTVALUE	The initial Hop Counter value to use (if hopcountstat is enabled). Must be 10-32.	N/A	N/A	S	O
HUNT	The hunt algorithm for choosing a specific CIC within a trunk group. This algorithm must complement the one that is in effect at the central office switch.	N/A	N/A	S	O
INR_INF_PROFILE	Name of the INR INF profile used by this ISUP service. This name is identical to the name of the ISUP signaling profile used by this ISUP service.	N/A	N/A	S	O
INSPECTION_ FREQUENCY	The default inspection frequency is once per day. The date-time for each inspection is calculated from the initial INSPECTION TIME, so that correct frequency and timing is maintained even if the GSX has been rebooted.	N/A	N/A	S	O

Table 3–20   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
INSPECTION_STATE	Sets the occurrence of circuit inspections off or on. Valid values: disabled or enabled.	N/A	N/A	S	O
INSPECTION_TIME	Inspection time, specified in date-time format. The INSPECTION parameters provide a way to set up automatic regular testing and synchronization of call and maintenance states on all circuits in the ISUP service group.	N/A	N/A	S	O
INTERSEGTIMER	Specifies the time between blocks of calls cleaned up. Must be 10 to 1000.	N/A	N/A	S	O
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
LDC_ACTION	Specifies the action to take if the Long Duration Call (LDC) timer expires. The call may be released, a SNMP trap may be generated, or both	N/A	N/A	S	O
LDC_EMERGENCY_ CALLS	Specifies whether emergency calls should be excluded from, or included in Long Duration Call (LDC) disconnect procedures	N/A	N/A	S	O
LDC_RELEASE_ CAUSE	Specifies the GSX disconnect reason used to release the call if the call is released due to Long Duration Call (LDC) timer expiry.	N/A	N/A	S	O
LDC_TIMEOUT	Specifies the timeout value of the Long Duration Call (LDC) timer in minutes	N/A	N/A	S	O
LKAHEADFORBUSY	Specifies the default value used in the Look Ahead for Busy field in the ISUP Precedence parameter.	N/A	N/A	S	O
LOCATION_REL	Specifies the Cause Indicator Location Value to set in ACM/CPG or REL messages when the GSX internally releases the call.	N/A	N/A	S	O
LOCATION_REL34	Specifies an updated Cause Indicator Location Value to set in the ISUP REL message sent to the ingress network for Release Cause 34 No circuit/channel available	N/A	N/A	S	O
LOCATION_REL42	Specifies an updated Cause Indicator Location Value to set in the ISUP REL message sent to the ingress network for release cause 42 Switching equipment congestion	N/A	N/A	S	O
MESSAGERESET	Specifies the behavior applied to setting the Message Priority field in a transmitted IAM.	N/A	N/A	S	O

Table 3–20 (Cont.) C_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
MINIMUM_DIGITS_ FOR_SENDING_DS_ QUERY	The minimum number of CalledAddress digits to collect before attempting a route query, when overlap addressing is supported and CalledAddress receive is not complete. Must be 0-30, default is 0 (digits).	N/A	N/A	S	O
MSSGTHROTTLING	Specifies whether message throttling is supported. This is a per-GSX parameter, and is therefore copied to all service groups when changed on one	N/A	N/A	S	O
MSSGTHROTTLINGTI MER	Specifies the time in milliseconds to insert between consecutive blocking (BLO) and unblocking (UBL) messages sent on this service group from a certain CNS. This parameter can have a different value on each service group. Must be 0 to 1000.	N/A	N/A	S	O
NETWORKID	Specifies the default value used for the 4-digit network identity field in the ISUP Precedence parameter.	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
NODE_IDENTITY	Specifies whether to generate an Application Transport Mechanism (APM) message with Charging Tariff (CRGT) data in response to an IAM for this service group	N/A	N/A	S	O
OLD_ENABLE_ISUP_ ACTION	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
OLD_ENABLE_ISUP_ MODE	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
OLD_ENABLE_ISUP_ STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	O
OLD_ENABLE_ISUP_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
OLIPCHECK	When a call with a Charge Number and a Calling Party Number arrives, by default the GSX checks for Originating Line Information Parameters (OLIP) and rejects the call if they are not present. Valid values: on (check for OLIP), off (don't check for OLIP).	N/A	N/A	S	O

Table 3–20   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
PROFILENAME	The name of the ISUP service profile that you are applying to this ISUP service.	N/A	N/A	S	O
REVISION	The ISUP protocol revision that will be supported for this ISUP service.	N/A	N/A	S	O
SENDINGOLIPCHECK	When a call with a Charge Number and a Calling Party Number is sent, by default the GSX checks for Originating Line Information Parameters (OLIP) and rejects the call if they are not present. This parameter turns OLIP checking off for certain switches that do not supply OLIP information to such calls.	N/A	N/A	S	O
SEQUENTIALGRS	Specifies whether to issue the Circuit Group ResetMessage (GRS) in parallel or sequentially to the circuits. unsupported - Issue the reset messages in parallelon the circuits. supported - Reset all circuits by sequentiallyissuing GRS one at a time per remote point code.This may be necessary for inter-working with carrierswho become congested or overloaded whenprocessing large numbers of GRS messages at once.	N/A	N/A	S	O
SIGNALING_PROFILE	The name of the ISUP signaling profile that you are applying to this ISUP service.	N/A	N/A	S	O
SKIP_CB_PROFILE	The index number of the SKIP CRANKBACK PROFILE to use with this ISUP service group.	N/A	N/A	S	O
TANDEM_LIMIT_ COUNTER	Specifies a Limit Counter to be set in an outgoing IAM when a TANDEMCALLCOUNTER parameter is not received.	N/A	N/A	S	O
TONE_PACKAGE	The name of a tone package to be used by the ISUP service.	N/A	N/A	S	O
TRUNK_GROUP	The name of the trunk group to which this ISUP service belongs.	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_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE	A_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE
C_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE	A_SONUS-GSX9000_7-3-X_ADD_ISUP-TG-CONF

Table 3–21   (Cont.) CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE	A_SONUS-GSX9000_7-3-X_ADD_ ISUP-SERVICE-CONF
C_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE	A_SONUS-GSX9000_7-3-X_ENABLE_ ISUP-SERVICE-STATE
C_SONUS-GSX9000_7-3-X_ADD_ISUP-SERVICE	A_SONUS-GSX9000_7-3-X_ENABLE_ ISUP-SERVICE-MODE

C_SONUS-GSX9000_7-3-X_ADD_SERVER

Adds the server object to the GSX. It specifies which server modules are administratively configured to exist within this GSX node.

Table 3–22   C_SONUS-GSX9000_7-3-X_ADD_SERVER

Parameter Name	Description	Range	Default Value	Type	Class
ADPTYPE	The type of adapter module that is being configured in the slot behind the previously-specified server module.	N/A	N/A	S	R
ENABLE_CORE_ DUMP	The action to be taken when a fatal software fault is detected in the module. Values: disabled or enabled (perform core dump, then reboot).	N/A	N/A	S	O
ENABLE_SERVER_ MODE	The operational state of the server module in the GSX chassis. Inservice - Active. Outofservice - Not active, able to put into disabled administrative state.	N/A	inService	S	O
ENABLE_SERVER_ STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	enabled	S	R
FUNCTION	The Ethernet redundancy model that is used when the HWTYPE is PNS10 or PNS30. Two values: enet and enetlayer3.	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
OLD_ENABLE_CORE_ DUMP	The action to be taken when a fatal software fault is detected in the module. Values: disabled or enabled (perform core dump, then reboot). Use for rollback.	N/A	N/A	S	O
OLD_ENABLE_ SERVER_MODE	The operational state of the server module in the GSX chassis. Inservice - Active. Outofservice - Not active, able to put into disabled administrative state. Use for rollback.	N/A	N/A	S	O
OLD_ENABLE_ SERVER_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled used for rollback.	N/A	N/A	S	O
REDUNTYPE	The redundancy group function that the previously specified module set will perform. Two values exist: normal and redundant.	N/A	N/A	S	R

Table 3–22   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_SERVER

Parameter Name	Description	Range	Default Value	Type	Class
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	R
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	R
SRVTYPE	The type of server module (HWTYPE) that is being configured in the slot	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_SONUS-GSX9000_7-3-X_ADD_SERVER	A_SONUS-GSX9000_7-3-X_ADD_SERVER
C_SONUS-GSX9000_7-3-X_ADD_SERVER	A_SONUS-GSX9000_7-3-X_ENABLE_SERVER-STATE
C_SONUS-GSX9000_7-3-X_ADD_SERVER	A_SONUS-GSX9000_7-3-X_ENABLE_SERVER-MODE

C_SONUS-GSX9000_7-3-X_ADD_T1-FACILITY

Adds T1 circuits that are supported by a Circuit Network Server on the GSX. The T1 circuit is assigned all 24 DS0 channels by default, but any subset of those channels may be specified.

Table 3–24   C_SONUS-GSX9000_7-3-X_ADD_T1-FACILITY

Parameter Name	Description	Range	Default Value	Type	Class
AVAILABLE_ CHANNELS	The set of available channels for this T1. Maximum range is 1-24, default is 1-24 (a full T1). Any discrete set of channels within this range may be specified.	N/A	N/A	S	O
BUILDOUT	The length of T1 wire that must be driven, expressed in increments of 110 feet. This is the length between the GSX and a repeater or patch panel.	N/A	N/A	S	O
CIRCUIT_ID	The name of the circuit ID.	N/A	N/A	S	O
CODING	The T1 line coding: AMI, B8ZS. Note that this parameter is not accessible on spans that belong to a T3 circuit.	N/A	N/A	S	O
ECHO_PROFILE	The name of an echo canceller profile to be applied to this T1 circuit.	N/A	N/A	S	O

Table 3–24   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_T1-FACILITY

Parameter Name	Description	Range	Default Value	Type	Class
ENABLE_T1_ CIRCUIT_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Values are: dryup (all active calls are allowed to complete until the timeout interval expires), force (all calls are dropped immediately).	N/A	N/A	S	O
ENABLE_T1_ CIRCUIT_MODE	The operational state of the server module in the GSX chassis. Values are: inservice (Active), outofservice (not active, able to put into disabled administrative state).	N/A	inService	S	O
ENABLE_T1_ CIRCUIT_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	enabled	S	R
ENABLE_T1_ CIRCUIT_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
IDLECODE	This value is inserted in an idle channel. Must be 0-255, default is 127 (0x7F).	N/A	N/A	S	O
LINETYPE	The frame format used on the T1: ESF, D4.	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
OLD_ENABLE_T1_ CIRCUIT_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Values are: dryup (all active calls are allowed to complete until the timeout interval expires), force (all calls are dropped immediately).	N/A	N/A	S	O
OLD_ENABLE_T1_ CIRCUIT_MODE	The operational state of the server module in the GSX chassis. Values are: inservice (Active), outofservice (not active, able to put into disabled administrative state).	N/A	N/A	S	O
OLD_ENABLE_T1_ CIRCUIT_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	O
OLD_ENABLE_T1_ CIRCUIT_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
PROFILE	The name of the profile to be applied to this T1 object.	N/A	N/A	S	O
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O

Table 3–24   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_T1-FACILITY

Parameter Name	Description	Range	Default Value	Type	Class
SIGNALING	Signaling used for this T1: none, robbedBit. In-band signaling achieved by stealing bits from the speech path; required by CAS services.	N/A	N/A	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
ZEROSUPPRESSION	The zero suppression control to be appliedon this T1 span values: none, jamBit8, signalFrameOnlyJamBit8, gteZeroSuppression, bellZeroSuppression.	N/A	N/A	S	O

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_SONUS-GSX9000_7-3-X_ADD_T1-FACILITY	A_SONUS-GSX9000_7-3-X_ADD_T1-CIRCUIT
C_SONUS-GSX9000_7-3-X_ADD_T1-FACILITY	A_SONUS-GSX9000_7-3-X_ENABLE_ T1-CIRCUIT-STATE
C_SONUS-GSX9000_7-3-X_ADD_T1-FACILITY	A_SONUS-GSX9000_7-3-X_ENABLE_ T1-CIRCUIT-MODE

C_SONUS-GSX9000_7-3-X_ADD_T1-LOCAL-LOOPBACK

Adds a T1 Local Loopback Type.

Table 3–26   C_SONUS-GSX9000_7-3-X_ADD_T1-LOCAL-LOOPBACK

Parameter Name	Description	Range	Default Value	Type	Class
NEAREND	The type of local loopback: noloop, payloadloop, lineloop, inwardloop, dualloop.	N/A	N/A	S	R
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
T1NAME	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1_PORT	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O

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_SONUS-GSX9000_7-3-X_ADD_ T1-LOCAL-LOOPBACK	A_SONUS-GSX9000_7-3-X_ADD_ T1-LOCAL-LOOPBACK

C_SONUS-GSX9000_7-3-X_ADD_T1-PATTERN

Add T1 SENDPATTERN.

Table 3–28   C_SONUS-GSX9000_7-3-X_ADD_T1-PATTERN

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
PATTERN	The type of SENDPATTERN: NONE, QRS, 3IN24.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O

Table 3–28 (Cont.) C_SONUS-GSX9000_7-3-X_ADD_T1-PATTERN

Parameter Name	Description	Range	Default Value	Type	Class
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O

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_SONUS-GSX9000_7-3-X_ADD_T1-PATTERN	A_SONUS-GSX9000_7-3-X_ADD_T1-PATTERN

C_SONUS-GSX9000_7-3-X_ADD_T1-REMOTE-LOOPBACK

Adds a T1 Remote Loopback Type.

Table 3–30 C_SONUS-GSX9000_7-3-X_ADD_T1-REMOTE-LOOPBACK

Parameter Name	Description	Range	Default Value	Type	Class
FAREND	The type of remote loopback: SENDLINECODE SENDPAYLOADCODE SENDRESETCODE	N/A	N/A	S	R
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O

Table 3–30   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_T1-REMOTE-LOOPBACK

Parameter Name	Description	Range	Default Value	Type	Class
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O

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_SONUS-GSX9000_7-3-X_ADD_ T1-REMOTE-LOOPBACK	A_SONUS-GSX9000_7-3-X_ADD_ T1-REMOTE-LOOPBACK

C_SONUS-GSX9000_7-3-X_ADD_T1-TCAF-STATE

Adds the TCAF state.

Table 3–32   C_SONUS-GSX9000_7-3-X_ADD_T1-TCAF-STATE

Parameter Name	Description	Range	Default Value	Type	Class
ERROR_TYPE	Particular Error Type. Values are:ALL, CV-L, ES-L, SES-EL, CV-P, ES-P, SES-P, SAS-P, CSS-P, SEFS-P, UAS-P.	N/A	N/A	S	R
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O

Table 3–32   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_T1-TCAF-STATE

Parameter Name	Description	Range	Default Value	Type	Class
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
TCAF_STATE	Specifies the state of the threshold crossing alert filter for the particular error type: disabled - Do not generate a threshold crossing alert event when the threshold is exceeded for this error type: enabled - Generate a threshold crossing alert event when the threshold is exceeded for this error type.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–33   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_ADD_T1-TCAF-STATE	A_SONUS-GSX9000_7-3-X_ADD_T1-TCAF-STATE

C_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP

Adds a trunk group to allow you to associate service groups with trunk groups between switching systems.

Table 3–34   C_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
ALTERNATE_NAME	When an inService trunk group is renamed, the tgname string is saved in ALTERNATE NAME and this string replaces tgname	N/A	N/A	S	O
BWLIMITREDUC	Specifies the amount to reduce the bandwidth limit (as a percentage of the configured limit) when a packet outage is detected. Must be 0-100, default is 50 (percent).	N/A	N/A	S	O
CARRIER	The name of the carrier that supports this trunk group.	N/A	N/A	S	O
CIRCUIT_ RESERVATION_ STATE	The state of the circuit reservation feature: disabled enabled	N/A	N/A	S	O

Table 3–34 (Cont.) C_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
EARLYACM	Specifies whether an ACM or SIP-18x will be sent when an HPC call is queued (when supporting HPC network capability)	N/A	N/A	S	O
EGRESS_CALLBURST	In terms of the single token bucket IP policing paradigm, this is the bucket size used by the call policer, in number of calls.	N/A	N/A	S	O
EGRESS_CALLRATE	In terms of the single token bucket IP policing paradigm, this is thefill rate used by the call policer on the call leg.	N/A	N/A	S	O
EGRESS_CALL_ NONPRI_ THRESHOLD	Specified the number of tokens reserved for priority calls when policing for non priority calls. This object is valid only for IP Trunk Groups.	N/A	N/A	S	O
EGRESS_ NONINVITE_BURST	In terms of the single token bucket IP policing paradigm, this is the bucket size used by the SIP NONINVITE policer on the call leg that is created when the initial NONINVITE is received on the GSX.	N/A	N/A	S	O
EGRESS_ NONINVITE_RATE	In terms of the single token bucket IP policing paradigm, this is the fill rate used by the SIP NONINVITE call policer, in number of calls.	N/A	N/A	S	O
EMER_IP_OVERSUB_ FACTOR	Specifies the percentage over the configured allowed resources for an IP trunk group that Emergency calls can consume	N/A	N/A	S	O
ENABLE_TG_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires, the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
ENABLE_TG_MODE	The operational state of the trunk group. Valid values: inservice or outOfService.	N/A	inservice	S	O
ENABLE_TG_STATE	The administrative state of the trunk group. Valid values: enabled or disabled.	N/A	enabled	S	R
ENABLE_TG_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
HPCPROFILE	Specifies the name of the High Probability of Completion (HPC) trunk group profile.	N/A	N/A	S	O

Table 3–34   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
INBOUND	The percent of channels reserved for inbound calls in PSTN trunk groups. Must be 0-100, in increments of 5. Default is 0.	N/A	N/A	S	O
INCOMING_CALL	The minimum number of incoming call circuits to be reserved for this trunk group. Must be 0-128, default is 1.	N/A	N/A	S	O
INGRESS_ CALLBURST	In terms of the single token bucket IP policing paradigm, this is the bucket size used by the call policer, in number of calls.	N/A	N/A	S	O
INGRESS_CALLRATE	In terms of the single token bucket IP policing paradigm, this is thefill rate used by the call policer on the call leg.	N/A	N/A	S	O
INGRESS_CALL_ NONPRI_ THRESHOLD	Specified the number of tokens reserved for priority calls when policing for non priority calls. This object is valid only for IP Trunk Groups.	N/A	N/A	S	O
INGRESS_ NONINVITE_BURST	In terms of the single token bucket IP policing paradigm, this is the bucket size used by the SIP NONINVITE policer on the call leg that is created when the initial NONINVITE is received on the GSX.	N/A	N/A	S	O
INGRESS_ NONINVITE_RATE	In terms of the single token bucket IP policing paradigm, this is the fill rate used by the SIP NONINVITE call policer, in number of calls.	N/A	N/A	S	O
IPBWLIMIT	Maximum amount of bandwidth allowed for this IP trunk group in units of 1K bits per second. Must be - 1 or 0-2147483647 as follows: -1 - do not enforce any limit: 0 - do not allow any calls: non-zero - allow up to the specified number of calls. Default is -1, or no limit on bandwidth.	N/A	N/A	S	O
IPCLIMIT	Maximum number of calls allowed for an IP trunk group. Must be -1 or 0-147483647 as follows: -1 - do not enforce any limit: 0 - do not allow any calls: non-zero - allow up to the specified number of calls. Default is -1, or no limit on calls.	N/A	N/A	S	O
IP_REG_EST_CHILD_ REG	Specifies the estimated number of child registrations (including the parent).	N/A	N/A	S	O
IP_REG_LIMIT	Specifies the maximum number of registrations admitted on this IP trunk group.	N/A	N/A	S	O
L1CALLS	Specifies the percentage of ingress calls that are permitted on this IP trunk group when SILC STATE is enabled and the congestion level is MC1. Must be 0-100, default is 75.	N/A	N/A	S	O

Table 3–34   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
L2CALLS	Specifies the percentage of ingress calls that are permitted on this IP trunk group when SILC STATE is enabled and the congestion level is MC2. Must be 0-100, default is 25.	N/A	N/A	S	O
LOCAL_POLICY_TG_ PROFILE	Specifies the name of the Local Policy Trunk Group Profile when the GSX is operating in Local Policy mode.	N/A	N/A	S	O
MBWPERREQ	Specifies the amount of bandwidth allowed on the underlying slave IP trunk group after the slave has reached the IP BANDWIDTH LIMIT. Must be -1 or 0-2147483647 as follows:-1 - do not enforce any bandwidth limit: 0 - do not allow any bandwidth allocation: non-zero - allow up to the specified amount of bandwidth allocation. Default is 6400 (in units of 1K bits per second).	N/A	N/A	S	O
MCPERREQ	Specifies the number of calls allowed on the underlying slave IP trunk group after the slave has reachedits IP CALL LIMIT. Must be -1 or 0-2147483647 as follows: -1 - do not enforce any limit: 0 - do not allow any calls: non-zero - allow up to the specified number of callsDefault is 100.	N/A	N/A	S	O
MINCALLS	Specifies, for the current interval, the number of calls with outages that are required to declare a packet outage event. Must be 0-65535, default is1000 (calls).	N/A	N/A	S	O
MINDUR	Specifies the minimum period of outage for a call, in milliseconds, for that call to be counted as part of the packet outage detection algorithm. Must be 0- 65535, default is 6000 (milliseconds).	N/A	N/A	S	O
MTGNAME	The name of the master trunk group to which the underlying trunk group belongs as a slave. Every trunk group either belongs to a master trunk group in this manner, or does not (MASTER TRUNKGROUP NAME NONE).	N/A	N/A	S	O
NAME	The new name of the trunkgroup. When an inService trunk group is renamed, the tgname string is saved in ALTERNATE NAME and this string replaces tgname.	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
NSTABLENAME	Specifies the name of the Network Selector Table.Each entry in this table is a network selector that specifies the group of signaling peers that use a particular IP trunk group.	N/A	N/A	S	O

Table 3–34   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
NUMBER	Specifies a unique number that may be assigned to the trunk group by the customer and used for circuit validation testing purposes. Default value is 0000.	N/A	N/A	S	O
OLD_ENABLE_TG_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires, the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
OLD_ENABLE_TG_MODE	The operational state of the trunk group. Valid values: inservice or outOfService.	N/A	inservice	S	O
OLD_ENABLE_TG_STATE	The administrative state of the trunk group. Valid values: enabled or disabled. Used for the rollback.	N/A	N/A	S	O
OLD_ENABLE_TG_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
OUTGOING_CALL	The minimum percentage of outgoing call circuits to be reserved for this trunk group. This percentage is applied to the total number of circuits less the circuits reserved for incoming calls less the circuits reserved for priority calls. Must be 0-100, default is 10%.	N/A	N/A	S	O
OVERRIDE	Specifies whether the IP oversubscription factor setting on this trunk group overrides the oversubscription factor setting on the associated trunk group profile	N/A	N/A	S	O
OVERSUB	Specifies the percentage over the configured allowed resources for an IP trunk group that HPC calls can consume before being queued.	N/A	N/A	S	O
PIPTGROUP	Specifies the parent IP trunk group. Used to build a hierarchy of IP trunk group relationships.	N/A	N/A	S	O
PODINTERVAL	Specifies the time interval, in minutes, for detecting packet outages via the packet outage detection algorithm.Must be 5-1440, default is 15 (minutes).This object is only valid for IP trunk groups.	N/A	N/A	S	O
PODSTATE	Specifies the administrative state of packet outage detection: enabled - automatic bandwidth reduction will occur when a packet outage is detected: disabled - packet outages are not detected and the maximum bandwidth limit is restored.	N/A	N/A	S	O

Table 3–34   (Cont.) C_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
PRIORITY_CALL	The minimum number of priority call circuits to be reserved for this trunk group. Must be 0-100, default is 1.	N/A	N/A	S	O
RENAME_TIMER	The amount of time in seconds that the previous trunk group name, saved in ALTERNATE NAME, will be accepted when a trunk group is renamed. During this time, the previous trunk group name cannot be used for the name of another trunk group. Must be 0-3600 (seconds), default is 10.	N/A	N/A	S	O
SELECT	The method of hunting through service groups for trunk resources.	N/A	N/A	S	O
SFG_TYPE	The type of Simulated Facility Group (SFG) used by this trunk group. Valid values: none, ni2, dms, user.	N/A	N/A	S	O
SILCSTATE	The administrative state of Selective Incoming LoadControl (SILC), a control that cancels specified percentages of incoming calls for machine congestion levels MC1 and MC2:enabled - SILC control is active: disabled - SILC control is not in effect	N/A	N/A	S	O
SS7_NODE	The name of the SS7 node that provides SS7 signaling for this trunk group.	N/A	N/A	S	O
TGNAME	The name of the trunk group being configured. This name may not contain a period	N/A	N/A	S	R
TG_DIRECTION	The direction of calls on this IP trunk group. This object is only valid for IP trunk groups: inComing - inbound. outGoing - outbound. bothWays - inbound and outbound.	N/A	N/A	S	O
TG_TYPE	Specifies the type of the trunk group being created:- pstn - CAS, ISUP or ISDN: - ipSelected - A child IP trunk: - ipLinked - A parent IP trunk	N/A	N/A	S	O
TRUNKPROFILENAME	The name of the trunk group profile to apply to this trunk group.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–35   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP	A_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP

Table 3–35   (Cont.) CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP	A_SONUS-GSX9000_7-3-X_ADD_ TRUNK-GROUP-CONF
C_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP	A_SONUS-GSX9000_7-3-X_ENABLE_ TRUNK-GROUP-STATE
C_SONUS-GSX9000_7-3-X_ADD_TRUNK-GROUP	A_SONUS-GSX9000_7-3-X_ENABLE_ TRUNK-GROUP-MODE

C_SONUS-GSX9000_7-3-X_DEL_CAS-CHANNEL

Delete CAS Channel.

Table 3–36   C_SONUS-GSX9000_7-3-X_DEL_CAS-CHANNEL

Parameter Name	Description	Range	Default Value	Type	Class
CAS_CHAN_ACTION	The method by which active calls on the designated channels are processed when oper-state goes to outOfService from inservice.	N/A	N/A	S	O
CAS_CHAN_ CHANRANGE	A set of channels. Must be one or more ranges of channels within the overall range 1-31.	N/A	N/A	S	R
CAS_CHAN_PORT	The automatically created (and possibly changed) name of the T1 or E1 span that is assigned to the CAS channels.	N/A	N/A	S	R
CAS_CHAN_ SERVICENAME	The name of the CAS service to which the channels are being assigned.	N/A	N/A	S	R
CAS_CHAN_ TIMEOUT	The time (in minutes) to wait to place the channel in the outOfService oper-state. Must be 1-1440, default is 5.	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–37   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_DEL_CAS-CHANNEL	A_SONUS-GSX9000_7-3-X_DISABLE_ CAS-CHANNEL-MODE
C_SONUS-GSX9000_7-3-X_DEL_CAS-CHANNEL	A_SONUS-GSX9000_7-3-X_DISABLE_ CAS-CHANNEL-STATE
C_SONUS-GSX9000_7-3-X_DEL_CAS-CHANNEL	A_SONUS-GSX9000_7-3-X_DEL_CAS-CHANNEL

C_SONUS-GSX9000_7-3-X_DEL_CAS-SERVICE

Delete CAS service.

Table 3–38   C_SONUS-GSX9000_7-3-X_DEL_CAS-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
CAS_ACTION	The method by which calls on the channels using this CAS service are processed when oper-state goes to outOfService.	N/A	N/A	S	O
CAS_SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
CAS_TIMEOUT	The time (in minutes) to wait to place the CAS channels in the outOfService oper-state. Must be 1-1440.	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–39   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_DEL_CAS-SERVICE	A_SONUS-GSX9000_7-3-X_DISABLE_ CAS-SERVICE-MODE
C_SONUS-GSX9000_7-3-X_DEL_CAS-SERVICE	A_SONUS-GSX9000_7-3-X_DISABLE_ CAS-SERVICE-STATE
C_SONUS-GSX9000_7-3-X_DEL_CAS-SERVICE	A_SONUS-GSX9000_7-3-X_DEL_CAS-SERVICE

C_SONUS-GSX9000_7-3-X_DEL_ISDN-INTERFACE

Delete an ISDN interface.

Table 3–40   C_SONUS-GSX9000_7-3-X_DEL_ISDN-INTERFACE

Parameter Name	Description	Range	Default Value	Type	Class
INTERFACE	The Q.931 interface identifier. Must be 0-19 or 1-20.	N/A	N/A	S	R
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which this ISDN Interface is linked.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–41   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_DEL_ISDN-INTERFACE	A_SONUS-GSX9000_7-3-X_DISABLE_ ISDN-INTERFACE-STATE
C_SONUS-GSX9000_7-3-X_DEL_ISDN-INTERFACE	A_SONUS-GSX9000_7-3-X_DEL_ISDN-INTERFACE

C_SONUS-GSX9000_7-3-X_DEL_ISDN-SERVICE

Deletes an ISDN Service from a trunk group.

Table 3–42   C_SONUS-GSX9000_7-3-X_DEL_ISDN-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
DISABLE_ISDN_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup-all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped. force-all calls are dropped immediately.	N/A	N/A	S	O
DISABLE_ISDN_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service that is being created and configured.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service that is being deleted.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–43   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_DEL_ISDN-SERVICE	A_SONUS-GSX9000_7-3-X_DISABLE_ ISDN-SERVICE-MODE
C_SONUS-GSX9000_7-3-X_DEL_ISDN-SERVICE	A_SONUS-GSX9000_7-3-X_DISABLE_ ISDN-SERVICE-STATE
C_SONUS-GSX9000_7-3-X_DEL_ISDN-SERVICE	A_SONUS-GSX9000_7-3-X_DEL_ISDN-SERVICE

C_SONUS-GSX9000_7-3-X_DEL_ISUP-CIRCUIT

Deletes an ISUP Circuit by removing the trunk CICs (Call Instance Code) associated with a SS7 service.

Table 3–44   C_SONUS-GSX9000_7-3-X_DEL_ISUP-CIRCUIT

Parameter Name	Description	Range	Default Value	Type	Class
CIC	The set of CICs that comprise this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0-16383-ANSI1992 and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R
CIC	The set of CICs that comprise this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0-16383-ANSI1992 and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R
DISABLE_ISC_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
DISABLE_ISC_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
ISCNAME	The name of the ISUP service used by the circuit that you are configuring.	N/A	N/A	S	R
NE_ID_SONUS_ GSX9000	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 3–45   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_DEL_ISUP-CIRCUIT	A_SONUS-GSX9000_7-3-X_DISABLE_ ISUP-CIRCUIT-MODE
C_SONUS-GSX9000_7-3-X_DEL_ISUP-CIRCUIT	A_SONUS-GSX9000_7-3-X_DISABLE_ ISUP-CIRCUIT-STATE
C_SONUS-GSX9000_7-3-X_DEL_ISUP-CIRCUIT	A_SONUS-GSX9000_7-3-X_DEL_ISUP-CIRCUIT

C_SONUS-GSX9000_7-3-X_DEL_ISUP-SERVICE

Removes an ISUP service from a trunk group.

Table 3–46   C_SONUS-GSX9000_7-3-X_DEL_ISUP-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
DISABLE_ISUP_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
DISABLE_ISUP_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
NE_ID_SONUS_ GSX9000	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 3–47   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_DEL_ISUP-SERVICE	A_SONUS-GSX9000_7-3-X_DISABLE_ ISUP-SERVICE-MODE
C_SONUS-GSX9000_7-3-X_DEL_ISUP-SERVICE	A_SONUS-GSX9000_7-3-X_DISABLE_ ISUP-SERVICE-STATE
C_SONUS-GSX9000_7-3-X_DEL_ISUP-SERVICE	A_SONUS-GSX9000_7-3-X_DEL_ISUP-SERVICE

C_SONUS-GSX9000_7-3-X_DEL_SERVER

Deletes the server object from the GSX node.

Table 3–48   C_SONUS-GSX9000_7-3-X_DEL_SERVER

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_SONUS_GSX9000	Remote Network Element name.	N/A	N/A	S	R
SERVER_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	R
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	R
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–49   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_DEL_SERVER	A_SONUS-GSX9000_7-3-X_DISABLE_SERVER-MODE
C_SONUS-GSX9000_7-3-X_DEL_SERVER	A_SONUS-GSX9000_7-3-X_DISABLE_SERVER-STATE
C_SONUS-GSX9000_7-3-X_DEL_SERVER	A_SONUS-GSX9000_7-3-X_DEL_SERVER

C_SONUS-GSX9000_7-3-X_DEL_TRUNK-GROUP

Removes a trunk group.

Table 3–50   C_SONUS-GSX9000_7-3-X_DEL_TRUNK-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_SONUS_GSX9000	Remote Network Element name.	N/A	N/A	S	R
TGNAME	The name of the trunk group being configured. This name may not contain a period.	N/A	N/A	S	R
TGNAME	The name of the trunk group being configured. This name may not contain a period	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–51   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_DEL_TRUNK-GROUP	A_SONUS-GSX9000_7-3-X_DISABLE_ TRUNK-GROUP-MODE
C_SONUS-GSX9000_7-3-X_DEL_TRUNK-GROUP	A_SONUS-GSX9000_7-3-X_DISABLE_ TRUNK-GROUP-STATE
C_SONUS-GSX9000_7-3-X_DEL_TRUNK-GROUP	A_SONUS-GSX9000_7-3-X_DEL_TRUNK-GROUP

C_SONUS-GSX9000_7-3-X_DIS_T1-FACILITY

Disable operational state and administrative state of a T1 circuits that are supported by a Circuit Network Server on the GSX in order to allow deleting of a server module.

Table 3–52   C_SONUS-GSX9000_7-3-X_DIS_T1-FACILITY

Parameter Name	Description	Range	Default Value	Type	Class
DISABLE_T1_ CIRCUIT_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Values are: dryup (all active calls are allowed to complete until the timeout interval expires), force (all calls are dropped immediately).	N/A	N/A	S	O
DISABLE_T1_ CIRCUIT_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O

Table 3–52   (Cont.) C_SONUS-GSX9000_7-3-X_DIS_T1-FACILITY

Parameter Name	Description	Range	Default Value	Type	Class
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31, or 1-3 for CNS60.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–53   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_DIS_T1-FACILITY	A_SONUS-GSX9000_7-3-X_DISABLE_ T1-CIRCUIT-MODE
C_SONUS-GSX9000_7-3-X_DIS_T1-FACILITY	A_SONUS-GSX9000_7-3-X_DISABLE_ T1-CIRCUIT-STATE

C_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL

Modify CAS Channel.

Table 3–54   C_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL

Parameter Name	Description	Range	Default Value	Type	Class
CAS_CHAN_ACTION	The method by which active calls on the designated channels are processed when oper-state goes to outOfService from inservice.	N/A	N/A	S	O
CAS_CHAN_ CHANRANGE	A set of channels. Must be one or more ranges of channels within the overall range 1-31.	N/A	N/A	S	R
CAS_CHAN_ CIRCUITPROFILE	The name of the Circuit Service Profile that you are applying to the designated channels.	N/A	N/A	S	O
CAS_CHAN_ CONFIGURATION	The configuration of the module. Possible values: ADMIN, STATUS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	O
CAS_CHAN_ DIRECTION	The direction of traffic allowed on the designated channel(s).	N/A	N/A	S	O

Table 3–54   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL

Parameter Name	Description	Range	Default Value	Type	Class
CAS_CHAN_MODE	The operational state of the designated channel(s).	N/A	N/A	S	O
CAS_CHAN_PORT	The automatically created (and possibly changed) name of the T1 or E1 span that is assigned to the CAS channels.	N/A	N/A	S	R
CAS_CHAN_ SERVICENAME	The name of the CAS service to which the channels are being assigned.	N/A	N/A	S	R
CAS_CHAN_STATE	The administrative state of the module in the CAS Channel. Values: disabled or enabled.	N/A	N/A	S	O
CAS_CHAN_ TIMEOUT	The time (in minutes) to wait to place the channel in the outOfService oper-state. Must be 1-1440, default is 5.	N/A	N/A	S	O
CAS_CHAN_ TMEMBER	A range of numbers with a one-to-one correspondence to the CHANNEL range that uniquely identifies the circuit endpoints within the trunk group. The GSX software maintains a list of available trunk member numbers for every trunk group. The size of the range must equal size of the CHANNEL range and each member of the range must be available.	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
OLD_CAS_CHAN_ ACTION	The method by which active calls on the designated channels are processed when oper-state goes to outOfService from inservice.	N/A	N/A	S	O
OLD_CAS_CHAN_ MODE	The operational state of the designated channel(s).	N/A	N/A	S	O
OLD_CAS_CHAN_ STATE	The administrative state of the module in the CAS Channel. Values: disabled or enabled. Use for the rollback action.	N/A	N/A	S	O
OLD_CAS_CHAN_ TIMEOUT	The time (in minutes) to wait to place the channel in the outOfService oper-state. Must be 1-1440, default is 5.	N/A	N/A	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–55   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL	A_SONUS-GSX9000_7-3-X_QRY_CAS-CHANNEL
C_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL	A_SONUS-GSX9000_7-3-X_DISABLE_ CAS-CHANNEL-MODE
C_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL	A_SONUS-GSX9000_7-3-X_DISABLE_ CAS-CHANNEL-STATE
C_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL	A_SONUS-GSX9000_7-3-X_MOD_ CAS-CHANNEL-CONF
C_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL	A_SONUS-GSX9000_7-3-X_ENABLE_ CAS-CHANNEL-STATE
C_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL	A_SONUS-GSX9000_7-3-X_ENABLE_ CAS-CHANNEL-MODE

C_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-MODE

Modify CAS Channel mode.

Table 3–56   C_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-MODE

Parameter Name	Description	Range	Default Value	Type	Class
CAS_CHAN_ACTION	The method by which active calls on the designated channels are processed when oper-state goes to outOfService from inservice.	N/A	N/A	S	O
CAS_CHAN_ CHANRANGE	A set of channels. Must be one or more ranges of channels within the overall range 1-31.	N/A	N/A	S	R
CAS_CHAN_MODE	The operational state of the designated channel(s).	N/A	N/A	S	O
CAS_CHAN_PORT	The automatically created (and possibly changed) name of the T1 or E1 span that is assigned to the CAS channels.	N/A	N/A	S	R
CAS_CHAN_ SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
CAS_CHAN_ TIMEOUT	The time (in minutes) to wait to place the channel in the outOfService oper-state. Must be 1-1440, default is 5.	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–57   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ CAS-CHANNEL-MODE	A_SONUS-GSX9000_7-3-X_MOD_ CAS-CHANNEL-MODE

C_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-STATE

Modify CAS Channel state.

Table 3–58   C_SONUS-GSX9000_7-3-X_MOD_CAS-CHANNEL-STATE

Parameter Name	Description	Range	Default Value	Type	Class
CAS_CHAN_ CHANRANGE	A set of channels. Must be one or more ranges of channels within the overall range 1-31.	N/A	N/A	S	R
CAS_CHAN_PORT	The automatically created (and possibly changed) name of the T1 or E1 span that is assigned to the CAS channels.	N/A	N/A	S	R
CAS_CHAN_ SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
CAS_CHAN_STATE	The administrative state of the module in the CAS Channel. Values: disabled or enabled.	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–59   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ CAS-CHANNEL-STATE	A_SONUS-GSX9000_7-3-X_MOD_ CAS-CHANNEL-STATE

C_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE

Modify CAS service.

Table 3–60   C_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
CAS_ACTION	The method by which calls on the channels using this CAS service are processed when oper-state goes to outOfService.	N/A	N/A	S	O
CAS_ANSUPVTO	When answer supervision is enabled, specifies the timeout period, in seconds, from the egress receiving the first backwards message from the called party exchange (Call Proceeding, Alerting, Call Progress) until the call is answered. If the timeout period expires, the answer supervision action specified is triggered.	N/A	N/A	S	O
CAS_ANUMLENGTH	For R2, specifies the length of a transmitted calling party number. A value of 0 implies variable length terminated by an end of digits signal. Otherwise, the value specifies the fixed length of the calling party number.	N/A	N/A	S	O
CAS_ AUTOBUSYTHRESHO LD	The number of signaling errors which are allowed prior to placing the channel into auto maintenance state. Once in this state the channel must be returned to service from the CLI. Must be 0-255, default is 0. Setting this field to 0 disables auto maintenance processing.	N/A	N/A	S	O
CAS_ BNUMENDDIGIT	BNUM End of Digits. Specifies whether the BNUM (or called party number/DNIS) should be terminated with the end of digits signal when dialed from the GSX.	N/A	N/A	S	O
CAS_CALLWAITING_ CALLERID_SSP	Specifies a CAS Signaling Sequence Profile (SSP) to execute for call waiting caller ID.	N/A	N/A	S	O
CAS_CBPROFNO	The index number of the CRANKBACK PROFILE to use with this CAS service group.	N/A	N/A	S	O
CAS_CGRTIMEOUT	The time (in seconds) to wait to release a call when that call was rejected due to congestion. This parameter effectively prevents the machine congestion level from escalating due to rapid repeated call attempts by equipment that does not support congestion detection.	N/A	N/A	S	O
CAS_ CLRTOIDLETIME	Specifies the time, in milliseconds, that must elapse after a clear forward is received in order for a channel to be considered idle. This timer runs in parallel with the existing (and configurable) guard timer.	N/A	N/A	S	O
CAS_ CONFIGURATION	Displays the configuration ofCAS. Possible values: ADMIN and STATUS. ADMIN displays the configuration of the module, STATUS displays the status of the module.	N/A	ADMIN	S	O

Table 3–60   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
CAS_COST	The (relative) routing cost to the CAS service group. Must be 0-100, default is 50. A value of 100 represents the highest possible cost.	N/A	N/A	S	O
CAS_CPTONEPKG	Name of the call progress tone package. This profile defines ring back tones, dial tones, etc. The default profile is used by default for this function.	N/A	N/A	S	O
CAS_CPTONEPROV	Specifies whether call progress tones are provided by the far end switch on egress calls.	N/A	N/A	S	O
CAS_CPTONEREQ	Specifies whether call progress tones are required on ingress calls.	N/A	N/A	S	O
CAS_DTMFPROFILE	Name of the DTMF tone profile. This profile defines parameters specific to DTMF tone generation. The defaultDtmf profile is used by default for this function.	N/A	N/A	S	O
CAS_DTPROFILE	The name of the CAS Disconnect Treatment Profile that will be used to map a disconnect reason code to a Disconnect Signaling Sequence Profile (SSP) for this service group.	N/A	N/A	S	O
CAS_E1CBIT	Specifies the value of the forward/backward line signaling Cbit on E1 channels. This parameter is meaningful only when SIGNALTYPE is mfcr2.	N/A	N/A	S	O
CAS_E1DBIT	Specifies the value of the forward/backward line signaling Dbit on E1 channels. This parameter is meaningful only when SIGNALTYPE is mfcr2.	N/A	N/A	S	O
CAS_EGRESS_SSP	Name of the signaling sequence profile to use for all egress calls.	N/A	N/A	S	O
CAS_GROUP	An operation to be applied to the underlying CAS service group.	N/A	N/A	S	O
CAS_GUARDTIME	The minimum time to allow the on-hook to propagate through the network when the call is terminated at the GSX. This interval allows the far end time to reuse the channel. The GSX will not reuse this channel until this interval expires. Must be 100-1500, default is 800 (milliseconds).	N/A	N/A	S	O
CAS_HOOKFLASH_ SSP	Name of the signaling sequence profile to execute whenever a hook flash is detected on an egress CAS channel in a connected call. This SSP is not meaningful for SIGNALTYPEs lsFxs, gsFxs, and mfcr2.	N/A	N/A	S	O

Table 3–60   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
CAS_HUNT	The hunt algorithm used to select channels for calls made to or from this service group.	N/A	N/A	S	O
CAS_INGRESS_SSP	Name of the signaling sequence profile to use for all ingress calls.	N/A	N/A	S	O
CAS_LDC_ACTION	Specifies the action to take if the Long Duration Call (LDC) timer expires. The call may be released, a SNMP trap may be generated, or both	N/A	N/A	S	O
CAS_LDC_ EMERGENCY_CALLS	Specifies whether emergency calls should be excluded from, or included in Long Duration Call (LDC) disconnect procedures	N/A	N/A	S	O
CAS_LDC_RELEASE_ CAUSE	Specifies the GSX disconnect reason used to release the call if the call is released due to Long Duration Call (LDC) timer expiry	N/A	N/A	S	O
CAS_LDC_TIMEOUT	Specifies the timeout value of the Long Duration Call (LDC) timer in minutes.	N/A	N/A	S	O
CAS_ LSGSANSWERSUPV	Specifies whether line side answer supervision is supported.	N/A	N/A	S	O
CAS_MAINTBUSY	Specifies whether the (T1 or E1) channels are taken off-hook when they are put into maintenance mode (either manually or automatically).	N/A	N/A	S	O
CAS_MFCR2PROFILE	The name of the DSP Digit Profile used for MFCR2 digit reception and generation. This profile is meaningful only when SIGNALTYPE is mfcr2.	N/A	N/A	S	O
CAS_MFPROFILE	Name of the MF tone profile. This profile defines parameters specific to MF tone generation. The defaultMfr1 profile is used by default for this function.	N/A	N/A	S	O
CAS_MGCPACKAGE	The package used to control a particular CAS service for MGCP.	N/A	N/A	S	O
CAS_MODE	The operational state of the CAS service.	N/A	N/A	S	O
CAS_OPER-STATE	The operational state of the CAS service.	N/A	N/A	S	O
CAS_PSC_SSP	Name of the signaling sequence profile to execute for a permanent signal condition (PSC). PSC occurs when the GSX has gone on-hook at the end of its call but the far end remains off-hook. After disconnect treatment processing completes for this call, this SSP will be executed.	N/A	N/A	S	O
CAS_RXFLASHMAX	The maximum flash receive time. Must be 300-1100, default is 700 (milliseconds). This parameter does not apply to loop start / ground start FXS.	N/A	N/A	S	O

Table 3–60   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
CAS_RXFLASHMIN	The minimum flash receive time. Must be 300-1100, default is 300 (milliseconds).	N/A	N/A	S	O
CAS_RXFXSANSWER	Specifies the time interval, in milliseconds, that the RLCF signal must be received in order to be considered an answer. This parameter is only meaningful for SIGNALTYPEs lsFxs and gsFxs.	N/A	N/A	S	O
CAS_RXFXSDISC	Specifies the time interval, in milliseconds, that the LCFO signal must be received in order to be considered a disconnect. This parameter is meaningful only for SIGNALTYPEs lsFxS and gsFxs.	N/A	N/A	S	O
CAS_ RXLSFXSRINGCESS	Specifies the time interval, in milliseconds, that the lack of a Ring signal must be detected in order to be considered an abandoned call. This parameter is meaningful only for SIGNALTYPE lsFxs.	N/A	N/A	S	O
CAS_RXR2ANSWER	For R2, specifies the duration (in milliseconds) that an answer signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_RXR2BLOCK	For R2, specifies the duration (in milliseconds) that a block signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_ RXR2CLEARBACK	For R2, specifies the duration (in milliseconds) that a clear back signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_ RXR2CLEARFWD	For R2, specifies the duration (in milliseconds) that a clear forward signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_RXR2IDLEBACK	For R2, specifies the duration (in milliseconds) that an idle back signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_RXR2SEIZE	For R2, specifies the duration (in milliseconds) that a seize signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_RXR2SEIZEACK	For R2, specifies the duration (in milliseconds) that a seize ACK signal must be present before it is considered a valid signal.	N/A	N/A	S	O
CAS_RXSEIZERING	Specifies the time interval, in milliseconds, that a seizure signal must be received in order to be considered a seizure/ ring.	N/A	N/A	S	O

Table 3–60   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
CAS_RXWINKMAX	The maximum wink receive time. Must be 100-800, default is 700 (milliseconds).	N/A	N/A	S	O
CAS_RXWINKMIN	The minimum wink receive time. Must be 100-800, default is 100 (milliseconds).	N/A	N/A	S	O
CAS_SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
CAS_SIGNALTYPE	The CAS signaling type in use throughout the service.	N/A	N/A	S	O
CAS_SIGVARIANT	The signaling variant that the CAS service group should emulate.	N/A	N/A	S	O
CAS_SKIP_CB_PROF	The index number of the SKIP CRANKBACK PROFILE to use with this CAS service group. This must specify a valid Skip Crankback profile index	N/A	N/A	S	O
CAS_STATE	The administrative state of this CAS service group.	N/A	N/A	S	O
CAS_SUSPENDTIME	The timeout value in milliseconds before a call in which the called party disconnected first is terminated.	N/A	N/A	S	O
CAS_SWITCHSIDE	The switch side the CAS Service Group should emulate.	N/A	N/A	S	O
CAS_TIMEOUT	The time (in minutes) to wait to place the CAS channels in the outOfService oper-state. Must be 1-1440.	N/A	N/A	S	O
CAS_TRUNKGROUP	The name of the trunk group of which this CAS service is a member.	N/A	N/A	S	O
CAS_TXFLASH	The flash transmit time. Must be 300-1100, default is 500 (milliseconds). This parameter is not meaningful for SIGNALTYPEs lsFxo and gsFxo.	N/A	N/A	S	O
CAS_TXFXORINGOFF	Specifies the time interval, in milliseconds, that the Ring off signal must be transmitted by the FXO side. This parameter is meaningful only for SIGNALTYPEs lsFxo and gsFxo.	N/A	N/A	S	O
CAS_TXFXORINGON	Specifies the time interval, in milliseconds, that the Ring on signal must be transmitted by the FXO side. This parameter is meaningful only for SIGNALTYPEs lsFxo and gsFxo.	N/A	N/A	S	O
CAS_TXLSFXODISC	Specifies the time interval, in milliseconds, that the LCFO signal must be transmitted by the foreign exchange office (FXO) side in order to release a call. When you specify a value of 0, the LCFO signal is disabled. This parameter is meaningful only for SIGNALTYPE lsFxo.	N/A	N/A	S	O

Table 3–60   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
CAS_TXOSI	For Visual Message Waiting Indicator, specifies the length (in milliseconds) that the Open Switching Interval (OSI) signal is sent	N/A	N/A	S	O
CAS_TXR2ENDDIGIT	For R2, specifies the transmit end of the digits signal.	N/A	N/A	S	O
CAS_TXWINK	The wink transmit time. Must be 100-800, default is 200 (milliseconds).	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
OLD_CAS_ACTION	The method by which calls on the channels using this CAS service are processed when oper-state goes to outOfService.	N/A	N/A	S	O
OLD_CAS_MODE	The operational state of the CAS service.	N/A	N/A	S	O
OLD_CAS_STATE	Administrative state of CAS Service. Use for rollback	N/A	N/A	S	O
OLD_CAS_TIMEOUT	The time (in minutes) to wait to place the CAS channels in the outOfService oper-state. Must be 1-1440.	N/A	N/A	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–61   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE	A_SONUS-GSX9000_7-3-X_QRY_CAS-SERVICE
C_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE	A_SONUS-GSX9000_7-3-X_DISABLE_ CAS-SERVICE-MODE
C_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE	A_SONUS-GSX9000_7-3-X_DISABLE_ CAS-SERVICE-STATE
C_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE	A_SONUS-GSX9000_7-3-X_MOD_ CAS-SERVICE-CONF
C_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE	A_SONUS-GSX9000_7-3-X_ENABLE_ CAS-SERVICE-STATE
C_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE	A_SONUS-GSX9000_7-3-X_ENABLE_ CAS-SERVICE-MODE

C_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-MODE

Modify CAS service mode.

Table 3–62   C_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-MODE

Parameter Name	Description	Range	Default Value	Type	Class
CAS_ACTION	The method by which calls on the channels using this CAS service are processed when oper-state goes to outOfService.	N/A	N/A	S	O
CAS_MODE	The operational state of the CAS service.	N/A	N/A	S	O
CAS_SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
CAS_TIMEOUT	The time (in minutes) to wait to place the CAS channels in the outOfService oper-state. Must be 1-1440.	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–63   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ CAS-SERVICE-MODE	A_SONUS-GSX9000_7-3-X_MOD_ CAS-SERVICE-MODE

C_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-STATE

Modify CAS Service state.

Table 3–64   C_SONUS-GSX9000_7-3-X_MOD_CAS-SERVICE-STATE

Parameter Name	Description	Range	Default Value	Type	Class
CAS_SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
CAS_STATE	Administrative state of CAS Service.	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–65   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ CAS-SERVICE-STATE	A_SONUS-GSX9000_7-3-X_MOD_ CAS-SERVICE-STATE

C_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL

Modifies configuration of B-channels.

Table 3–66   C_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL

Parameter Name	Description	Range	Default Value	Type	Class
BCHANNEL	A single B-channel number or a set of B-channels. Must be one or more ranges of Bchannels within the overall range 1-23.	N/A	N/A	S	R
BCHANNEL	A single B-channel number or a set of B-channels. Must be one or more ranges of Bchannels within the overall range 1-23.	N/A	N/A	S	R
BCHANNEL_ CONFIGURATION	The configuration of the module. Possible values: ADMIN, STATUS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	R
BCHANNEL_ DIRECTION	The direction of traffic allowed on the designated Bchannel(s): twoWay (accept all calls), oneWayIn (accept only inbound calls), oneWayOut (accept only outbound calls).	N/A	N/A	S	O
BCHANNEL_TRUNK_ MEMBER	A number that uniquely identifies this circuit endpoint within the trunk group. The GSX software maintains a list of available trunk member numbers for every trunk group. The trunk member number that is assigned to the BCHANNEL number must be available. Must be 0-65535.	N/A	N/A	S	O
CIRCUITPROFILENA ME	The name of the Circuit Service Profile that you are applying to the designated B-channels.	N/A	N/A	S	O
DISABLE_ BCHANNEL_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
DISABLE_ BCHANNEL_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
ENABLE_ BCHANNEL_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O

Table 3–66   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL

Parameter Name	Description	Range	Default Value	Type	Class
ENABLE_BCHANNEL_MODE	The operational state of the server module in the GSX chassis: inservice (active), outofservice (not active, able to put into disabled administrative state).	N/A	inservice	S	O
ENABLE_BCHANNEL_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	enabled	S	R
ENABLE_BCHANNEL_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
INTERFACE	The number of the ISDN Interface that contains the designated B-channels. Must be 0-20.	N/A	N/A	S	R
NE_ID_SONUS_GSX9000	Remote Network Element name.	N/A	N/A	S	R
OLD_ENABLE_BCHANNEL_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
OLD_ENABLE_BCHANNEL_MODE	The operational state of the server module in the GSX chassis: inservice (active), outofservice (not active, able to put into disabled administrative state).	N/A	N/A	S	O
OLD_ENABLE_BCHANNEL_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled. Use for the rollback action.	N/A	N/A	S	O
OLD_ENABLE_BCHANNEL_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–67   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL	A_SONUS-GSX9000_7-3-X_QRY_ISDN-BCHANNEL
C_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL	A_SONUS-GSX9000_7-3-X_DISABLE_ ISDN-BCHANNEL-MODE
C_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL	A_SONUS-GSX9000_7-3-X_DISABLE_ ISDN-BCHANNEL-STATE
C_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL	A_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL
C_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL	A_SONUS-GSX9000_7-3-X_ENABLE_ ISDN-BCHANNEL-STATE
C_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL	A_SONUS-GSX9000_7-3-X_ENABLE_ ISDN-BCHANNEL-MODE

C_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL-MODE

Modifies the operational state B-channels.

Table 3–68   C_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL-MODE

Parameter Name	Description	Range	Default Value	Type	Class
BCHANNEL	A single B-channel number or a set of B-channels. Must be one or more ranges of Bchannels within the overall range 1-23.	N/A	N/A	S	R
BCHANNEL_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
BCHANNEL_MODE	The operational state of the server module in the GSX chassis: inservice (active), outofservice (not active, able to put into disabled administrative state), maintenance (out of service, maintenance).	N/A	N/A	S	O
BCHANNEL_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
INTERFACE	The number of the ISDN Interface that contains the designated B-channels. Must be 0-20.	N/A	N/A	S	R
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–69   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ ISDN-BCHANNEL-MODE	A_SONUS-GSX9000_7-3-X_MOD_ ISDN-BCHANNEL-MODE

C_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL-STATE

Modifies the administrative state of B-channels.

Table 3–70   C_SONUS-GSX9000_7-3-X_MOD_ISDN-BCHANNEL-STATE

Parameter Name	Description	Range	Default Value	Type	Class
BCHANNEL	A single B-channel number or a set of B-channels. Must be one or more ranges of Bchannels within the overall range 1-23.	N/A	N/A	S	R
BCHANNEL_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	R
INTERFACE	The number of the ISDN Interface that contains the designated B-channels. Must be 0-20.	N/A	N/A	S	R
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–71   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ ISDN-BCHANNEL-STATE	A_SONUS-GSX9000_7-3-X_MOD_ ISDN-BCHANNEL-STATE

C_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL

Modifies the configuration of D-channels.

Table 3–72   C_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL

Parameter Name	Description	Range	Default Value	Type	Class
BACKUP_INTERFACE	The ISDN service group backup D-channel interface. Must be 0-20, default is 1.	N/A	N/A	S	R
BACKUP_TIMESLOT	The ISDN service group backup D-channel time slot. Must be 0-31, default is 24, or 16 when SWITCHTYPE is euroIsdn.	N/A	N/A	S	O
ENABLE_BACKUP_ MODE	The ISDN service group backup D-channel mode: inService (active), outOfService (inactive), unEquipped (unable to be used for signaling).	N/A	inService	S	R
ENABLE_PRIMARY_ MODE	The ISDN service group primary D-channel mode: inService (active), outOfService (inactive).	N/A	inService	S	R
ISDN_ CONFIGURATION	The configuration of the module. Possible values: ADMIN, STATUS or PARAMETERS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	R
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
OLD_ENABLE_ BACKUP_MODE	The ISDN service group backup D-channel mode: inService (active), outOfService (inactive), unEquipped (unable to be used for signaling).	N/A	N/A	S	O
OLD_ENABLE_ PRIMARY_MODE	The ISDN service group primary D-channel mode: inService (active), outOfService (inactive).	N/A	N/A	S	O
PRIMARY_ INTERFACE	The ISDN service group primary D-channel interface. Must be 0-20, default is 0.	N/A	N/A	S	R
PRIMARY_TIMESLOT	The ISDN service group primary D-channel time slot. Must be 0-31, default is 24, or 16 when SWITCHTYPE is euroIsdn.	N/A	N/A	S	O
SERVICENAME	The name of the ISDN service that is being created and configured.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–73   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL	A_SONUS-GSX9000_7-3-X_QRY_ISDN-SERVICE
C_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL	A_SONUS-GSX9000_7-3-X_DISABLE_ ISDN-DCHANNEL-BACKUP-MODE
C_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL	A_SONUS-GSX9000_7-3-X_DISABLE_ ISDN-DCHANNEL-PRIMARY-MODE
C_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL	A_SONUS-GSX9000_7-3-X_MOD_ ISDN-DCHANNEL-PRIMARY
C_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL	A_SONUS-GSX9000_7-3-X_ENABLE_ ISDN-DCHANNEL-PRIMARY-MODE
C_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL	A_SONUS-GSX9000_7-3-X_MOD_ ISDN-DCHANNEL-BACKUP
C_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL	A_SONUS-GSX9000_7-3-X_ENABLE_ ISDN-DCHANNEL-BACKUP-MODE

C_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-BACKUP-MODE

Modifies the operational state of backup D-channels.

Table 3–74   C_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-BACKUP-MODE

Parameter Name	Description	Range	Default Value	Type	Class
BACKUP_MODE	The ISDN service group backup D-channel mode: inService (active), outOfService (inactive), unEquipped (unable to be used for signaling).	N/A	N/A	S	R
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–75   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ ISDN-DCHANNEL-BACKUP-MODE	A_SONUS-GSX9000_7-3-X_MOD_ ISDN-DCHANNEL-BACKUP-MODE

C_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-PRIMARY-MODE

Modifies the operational state of primary D-channels.

Table 3–76   C_SONUS-GSX9000_7-3-X_MOD_ISDN-DCHANNEL-PRIMARY-MODE

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
PRIMARY_MODE	The ISDN service group primary D-channel mode: inService (active), outOfService (inactive).	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–77   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ ISDN-DCHANNEL-PRIMARY-MODE	A_SONUS-GSX9000_7-3-X_MOD_ ISDN-DCHANNEL-PRIMARY-MODE

C_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE

Modifies an ISDN interface.

Table 3–78   C_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE

Parameter Name	Description	Range	Default Value	Type	Class
ENABLE_ INTERFACE_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	enabled	S	R
INTERFACE	The Q.931 interface identifier. Must be 0-19 or 1-20.	N/A	N/A	S	R
INTERFACE	The Q.931 interface identifier. Must be 0-19 or 1-20.	N/A	N/A	S	R
ISDN_INTERFACE_ PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
ISDN_INTERFACE_ SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
ISDN_INTERFACE_ SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
ISDN_INTERFACE_ SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
ISDN_INTERFACE_ T1NAME	The automatically created name of the T1 or E1 span that is assigned to the ISDN interface.	N/A	N/A	S	O

Table 3–78 (Cont.) C_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_SONUS_GSX9000	Remote Network Element name.	N/A	N/A	S	R
OLD_ENABLE_INTERFACE_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	O
SERVICENAME	The name of the ISDN service to which this ISDN Interface is linked.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–79 CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE	A_SONUS-GSX9000_7-3-X_QRY_ISDN-INTERFACE
C_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE	A_SONUS-GSX9000_7-3-X_DISABLE_ISDN-INTERFACE-STATE
C_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE	A_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE-CONF
C_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE	A_SONUS-GSX9000_7-3-X_ENABLE_ISDN-INTERFACE-STATE

C_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE-STATE

Modifies an ISDN Interface administrative state.

Table 3–80 C_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE-STATE

Parameter Name	Description	Range	Default Value	Type	Class
INTERFACE	The Q.931 interface identifier. Must be 0-19 or 1-20.	N/A	N/A	S	R
ISDN_INTERFACE_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	R
NE_ID_SONUS_GSX9000	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which this ISDN Interface is linked.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–81 CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE-STATE	A_SONUS-GSX9000_7-3-X_MOD_ISDN-INTERFACE-STATE

C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE

Modifies an ISDN Service to a trunk group.

Table 3–82   C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
ANSWER_SUPV_ TIMEOUT_ACTION	Specifies action to take when the answer supervision timer expires	N/A	N/A	S	O
BCHANNEL_ NEGOTIATION	The time (in seconds) to wait to release a call when that call was rejected due to congestion.	N/A	N/A	S	O
BCHANNEL_ RESTART	Specifies whether B-channels are brought into service with RESTART messages: yes-RESTARTs are sent for each channel when datalink establishes. Values are: yes (RESTARTs are sent for each channel whendatalink establishes, no (the channels are brought into service with SERVICE messages, unless bcas is no).	N/A	N/A	S	O
BCHANNEL_ SIGNALING	Specifies whether SERVICE messages will be used to communicate the B-channel state: yes (service messages are used), no (service messages disabled).	N/A	N/A	S	O
BEARER_ CAPABILITY_ FALLBACK	Specifies whether bearer capability fall back is allowed on the network: no (not allowed), yes (allowed).	N/A	N/A	S	O
CALLED_PARTY_ SUBADDRESS_ DELIVERY	Specifies whether a called party subaddress information element is included within an outgoing setup for delivery to the Customer Provided Equipment (CPE): no, yes, conditional.	N/A	N/A	S	O
CALLED_PARTY_ SUBADDRESS_ TRANSFER	Specifies whether a called party subaddress information element is accepted in the incoming setup: no, yes, conditional.	N/A	N/A	S	O
CALLING_PARTY_ NAME_DELIVER	Specifies whether the Calling Party Name is delivered in an outgoing SETUP message: no, yes.	N/A	N/A	S	O
CALLING_PARTY_ NAME_RECEIVE_ TIMER	Specifies timer to wait for the name. If the timer expires before the name is received, the call proceeds without the name. 0 = Disabled. The GSX ignores any indication (in a Setup) that information is following, processes the call normally, and ignores any CNAME that arrives later. 1-3600 = Enabled; When there is indication that information is following, the GSX begins processing the call but holds the Setup until the CNAME is received or until the timer expires, whichever comes first.	N/A	N/A	S	O
CALLING_PARTY_ NUM_DELIVERY	Specifies whether a CPN or RN is included within an outgoing setup: no, yes.	N/A	N/A	S	O

Table 3–82   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
CALLING_PARTY_ NUM_DISCARD	Specifies whether a CPN, or Redirecting Number (RN), that is not screened or that fails screening is discarded: no, yes.	N/A	N/A	S	O
CALLING_PARTY_ NUM_ PRESENTATION	Specifies the default presentation indicator: no (presentation prohibited), yes (presentation allowed).	N/A	N/A	S	O
CALLING_PARTY_ NUM_PROVISION	Specifies whether a CPN is required in the incoming setup: necessary-the incoming call is rejected if no CPN is provided. Values include: notNecessary (the DN must be specified and is used as the CPN).	N/A	N/A	S	O
CALLING_PARTY_ SUBADDRESS_ DELIVERY	cps_deliver N/A Specifies whether a CPS is included within an outgoing setup for delivery to the Customer Provided Equipment (CPE): no (discard the CPS), yes (include the CPS in the setup), conditional (include the CPS if the CPN was also accepted).	N/A	N/A	S	O
CALLING_PARTY_ SUBADDRESS_ TRANSFER	Specifies whether a calling party subaddress information element (CPS) is accepted in the incoming setup: no (discard the CPS), yes (accept the CPS), conditional.	N/A	N/A	S	O
CGRTIMEOUT	The time (in seconds) to wait to release a call when that call was rejected due to congestion. This parameter effectively prevents the machine congestion level from escalating due to rapid repeated call attempts by equipment that does notsupport congestion detection. Must be 0-5 (seconds), default is 0. A value of 0 disables this timer.	N/A	N/A	S	O
CONFIRMATION_ TONE	Specifies a confirmation tone to play when the ISDN call is answered (prior to media cut through). The confirmation tone must be configured as part of the ISDN service group's TONE PACKAGE.	N/A	N/A	S	O
CONF_TONE_ OVERRIDE	Specifies support for subscriber-level confirmation tore	N/A	N/A	S	O
CRANKBACK_ PROFILE	The index number of the CRANKBACK PROFILE to use with this ISUP service group. This must specify a valid Call Crankback profile index, in the range 1-10. The default is 1, or Call Crankback Profile default.	N/A	N/A	S	O
DIAL_TONE	Specifies the dial tone to play when the ISDN service group is emulating a euroIsdn switch and overlap addressing is in effect.	N/A	N/A	S	O

Table 3–82   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
DIRECTORY_ NUMBER	The default directory number (DN). When a calling party number (CPN) is provided in the incoming setup, the DN is used as the billing number. When the CPN is absent from the incoming setup, the DN is used as the CPN.	N/A	N/A	S	O
DISABLE_ISDN_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup-all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped. force-all calls are dropped immediately.	N/A	N/A	S	O
DISABLE_ISDN_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
DISCONNECT_ PROFILE	The name of a Disconnect Treatment Profile that will be used to map a disconnect reason code to a Disconnect Signaling Sequence Profile (SSP) for this service group.	N/A	N/A	S	O
DISCONNECT_SSP	The name of a Disconnect SSP Profile that will be used for this service group.	N/A	N/A	S	O
EARLY_ACM_FOR_ ISUP	When interworking between ISDN and ISUP, specifies whether or not to deliver an early address complete message (ACM): no, yes.	N/A	N/A	S	O
EARLY_CUT_ AUDIBLE_RING	Specifies whether early cut through is allowed on an audible ring: no (disable early cut through), yes (enable early cut through).	N/A	N/A	S	O
EARLY_CUT_ NETWORK_ INTERWORK	Specifies whether early cut through is allowed on network interworking: no (disable early cut through), yes (enable early cut through).	N/A	N/A	S	O
ENABLE_ISDN_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup-all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped. force-all calls are dropped immediately.	N/A	N/A	S	O
ENABLE_ISDN_ MODE	The operational state of the server module in the GSX chassis: inservice (active), outofservice (not active, able to put into disabled administrative state).	N/A	inservice	S	O
ENABLE_ISDN_ STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	enabled	S	R

Table 3–82   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
ENABLE_ISDN_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
GUARDTIMER	Specifies the time, in milliseconds, to delay subsequent hunting of a channel after a call is released. Must be 0-9999 (milliseconds), default is 0. A value of 0 directs immediate hunting of the channel. An incoming call will be allowed to proceed, even if the timer is running.	N/A	N/A	S	O
IMMEDIATE_DISC_ INBAND_TONES	Specifies action to take when the GSX receives a DISCONNECT with inband tones	N/A	N/A	S	O
ISDN_ ANSSUPVTIMEOUT	When answer supervision is enabled, specifies the timeout period, in seconds, from the egress receiving the first backwards message from the called party exchange (Call Proceeding, Alerting, Call Progress) until the call is answered. If the timeout period expires, the answer supervision action specified is triggered. Must be 1-1000.	N/A	N/A	S	O
ISDN_ CONFIGURATION	The configuration of the module. Possible values: ADMIN, STATUS or PARAMETERS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	R
ISDN_COST	The (relative) routing cost to the ISDN service group. Must be 0-100, default is 50. A value of 100 represents the highest possible cost.	N/A	N/A	S	O
ISDN_HUNT	The hunt algorithm used to select channels for calls destined to this service group: lowlow, highhigh, circularforward, circularbackward.	N/A	N/A	S	O
ISDN_SWITCHTYPE	The network switch type the ISDN service group will emulate: ni2, dms250, dms100, 5ess, 4ess, euroIsdn, ins1500.	N/A	N/A	S	O
ISDN_TGNAME	The name of the trunk group that this ISDN service belongs to.	N/A	N/A	S	O
LDC_ACTION	Specifies the action to take if the Long Duration Call (LDC) timer expires. The call may be released, a SNMP trap may be generated, or both	N/A	N/A	S	O
LDC_EMERGENCY_ CALLS	Specifies whether emergency calls should be excluded from, or included in Long Duration Call (LDC) disconnect procedures	N/A	N/A	S	O

Table 3–82   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
LDC_RELEASE_ CAUSE	Specifies the GSX disconnect reason used to release the call if the call is released due to Long Duration Call (LDC) timer expiry	N/A	N/A	S	O
LDC_TIMEOUT	Specifies the timeout value of the Long Duration Call (LDC) timer in minutes.	N/A	N/A	S	O
MIN_DIGITS_DS_ QUERY	Specifies the minimum number of CalledAddress digits to collect before attempting a route query, when overlap addressing is supported and CalledAddress receive is not complete. Must be 0-30, default is 0 (digits).	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
OLD_ENABLE_ISDN_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup-all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped. force-all calls are dropped immediately.	N/A	N/A	S	O
OLD_ENABLE_ISDN_ MODE	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately. Use for the rollback action.	N/A	N/A	S	O
OLD_ENABLE_ISDN_ STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled. Use for the rollback action.	N/A	N/A	S	O
OLD_ENABLE_ISDN_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately. Use for the rollback action.	N/A	N/A	S	O
OLI_DELIVERY	Specifies whether Originating Line Identification (OLI) delivery is supported on ISDN switch types	N/A	N/A	S	O
PROFILENAME	The name of an ISDN service profile to use to provide all undeclared parameter values in this ISDN service.	N/A	N/A	S	O
PROGRESS_ON_ ACM_WITH_CAUSE	Specifies whether a Progress message is sent on receiving an ACM/CPG with Cause Indicators (ISDN to ISUP/SIP-I calls only)	N/A	N/A	S	O
REMOTE_SWITCH_ TYPE	The remote switch type. This should only be set to something other than default if the remote switch type has unique behavior. Currently, the unique behavior is meridian: default, meridian.	N/A	N/A	S	O

Table 3–82   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
SERVICENAME	The name of the ISDN service that is being created and configured.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service that is being created and configured.	N/A	N/A	S	R
SERVICETYPE	Specifies the type of ISDN service group to be configured: default - Standard service for trunk groups that use contiguous spans of B-channels: dchannel - A service associated exclusively with the D-channel: bchannel - A call processing service associated with B-channels and assigned to a trunk group.	N/A	N/A	S	O
SKIP_CB_PROFILE	The index number of the SKIP CRANKBACK PROFILE to use with this ISDN service group.	N/A	N/A	S	O
SWITCHPROFILE	The name of the ISDN switch profile to be used by the ISDN service group. This file has embedded information that describes the SWITCHTYPE.	N/A	N/A	S	O
SWITCHSIDE	The switch side that this ISDN service group should act as: network (a switch on the network side), user (a switch on the user side).	N/A	N/A	S	O
TONE_PACKAGE	The name of a tone package to be used by this ISDN service group.	N/A	N/A	S	O
TWO_BCHANNEL_ ACKNOWLEDGE	Specifies the type of message to carry the TBCT acknowledgement: facility (send a FACILITY message to carry the ACK), disconnect (carry the ACK in the DISC message used to clear the call leg to the controller).	N/A	N/A	S	O
TWO_BCHANNEL_ ACTIVE_LIMIT	Specifies the number of simultaneously active TBCTs allowed on the configured PRI. Must be 0 to 60000. Default is 100. A value of 0 indicates no limit.	N/A	N/A	S	O
TWO_BCHANNEL_ ENABLED	Specifies whether ISDN PRI Two B-channel Transfer (TBCT) is enabled for this ISDN service group: yes (permit TBCT call transfers), no (do not permit TBCT call transfers).	N/A	N/A	S	O

Table 3–82   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
TWO_BCHANNEL_ INTERVAL_LIMIT	Specifies the number of transfer requests allowed on the configured PRI within a 10 second interval. Must be 0 to 500. Default is 10. A value of 0 indicates no limit.	N/A	N/A	S	O
TWO_BCHANNEL_ NOTIFICATION_ CONTROLLER	Specifies whether a notification is provided to the ISDN controller when a TBCT is cleared: yes (provide controller notification when the call is cleared), no (do not provide notification to the controller).	N/A	N/A	S	O
TWO_BCHANNEL_ NOTIFICATION_ USERS	Specifies whether a notification is provided to the transferred users when a TBCT occurs: yes (provide user with notification when the call is transferred), no (do not provide notification).	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–83   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE	A_SONUS-GSX9000_7-3-X_QRY_ISDN-SERVICE
C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE	A_SONUS-GSX9000_7-3-X_DISABLE_ ISDN-SERVICE-MODE
C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE	A_SONUS-GSX9000_7-3-X_DISABLE_ ISDN-SERVICE-STATE
C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE	A_SONUS-GSX9000_7-3-X_MOD_ ISDN-SERVICE-CONF
C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE	A_SONUS-GSX9000_7-3-X_ENABLE_ ISDN-SERVICE-STATE
C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE	A_SONUS-GSX9000_7-3-X_ENABLE_ ISDN-SERVICE-MODE

C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-GROUP

Modifies the ISDN Service Group.

Table 3–84   C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
GROUP	An operation to be applied either to the underlying B-channels of the ISDN service group: outOfService (place B-channels out of service), maintenance (place B-channels in maintenance state), inService (place B-channels in service), restart (restart B-channel).	N/A	N/A	S	R
GROUP_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup-all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped. force-all calls are dropped immediately.	N/A	N/A	S	O
GROUP_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service that is being created and configured.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–85   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ ISDN-SERVICE-GROUP	A_SONUS-GSX9000_7-3-X_MOD_ ISDN-SERVICE-GROUP

C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-MODE

Modifies an ISDN service to a trunk group operational state.

Table 3–86   C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-MODE

Parameter Name	Description	Range	Default Value	Type	Class
ISDN_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
ISDN_MODE	The operational state of the server module in the GSX chassis: inservice (active), outofservice (not active, able to put into disabled administrative state).	N/A	N/A	S	O
ISDN_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service that is being created and configured.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–87   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ ISDN-SERVICE-MODE	A_SONUS-GSX9000_7-3-X_MOD_ ISDN-SERVICE-MODE

C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-STATE

Modifies an ISDN service to a trunk group administrative state.

Table 3–88   C_SONUS-GSX9000_7-3-X_MOD_ISDN-SERVICE-STATE

Parameter Name	Description	Range	Default Value	Type	Class
ISDN_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	R
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service that is being created and configured.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–89   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ ISDN-SERVICE-STATE	A_SONUS-GSX9000_7-3-X_MOD_ ISDN-SERVICE-STATE

C_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT

Modifies the trunk CICs (Call Instance Code) associated with a SS7 service.

Table 3–90   C_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT

Parameter Name	Description	Range	Default Value	Type	Class
CHANNEL	The set of channels that the CICs (above) are bound to. Must be in the overall range 1-32, but is limited to 1-24 when the PORT is a T1 span. Any discrete set of channels within this range may be specified as discussed below.	N/A	N/A	S	O
CIC	The set of CICs that comprises this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0, 16383, ANSI1992, and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R
CIC	The set of CICs that comprise this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0-16383-ANSI1992 and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R
DIRECTION	The type of call traffic these CICs can handle: twoway (accept all PSTN calls), onewayin (accept only inbound PSTN calls), onewayout (accept only outbound PSTN calls).	N/A	N/A	S	O
DISABLE_ISC_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
DISABLE_ISC_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

Table 3–90   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT

Parameter Name	Description	Range	Default Value	Type	Class
ENABLE_ISC_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
ENABLE_ISC_MODE	The operational state of the server module in the GSX chassis: inservice (Active), outofservice (Not active, able to put into disabled administrative state).	N/A	inservice	S	O
ENABLE_ISC_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	enabled	S	R
ENABLE_ISC_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
ISCNAME	The name of the ISUP service used by the circuit that you are configuring.	N/A	N/A	S	R
ISC_ CONFIGURATION	The configuration of the module. Possible values: ADMIN, STATUS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	R
ISC_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
ISC_SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
ISC_SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
ISC_SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
ISC_T1NAME	The (automatically generated and possibly changed) name of the T1 span that contains the channels that comprise this ISUP circuit. Values can be CNS10 T1-shn-sln-spn or T1-shn-sln-ptn-spn.	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R

Table 3–90   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT

Parameter Name	Description	Range	Default Value	Type	Class
OLD_ENABLE_ISC_ ACTION	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
OLD_ENABLE_ISC_ MODE	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
OLD_ENABLE_ISC_ STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	O
OLD_ENABLE_ISC_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
SERVICEPROFILENA ME	The name of the Circuit Service Profile that you are applying to this ISUP circuit.	N/A	N/A	S	O
TRUNK_MEMBER	A range of numbers with a one-to-one correspondence to the CIC range that uniquely identifies the circuit endpoints within the trunk group. The GSX software maintains a list of available trunk member numbers for every trunk group. The size of the range must equal the size of the CIC range and each member of the range must be available. Must be 0-65535.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–91   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT	A_SONUS-GSX9000_7-3-X_QRY_ISUP-CIRCUIT
C_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT	A_SONUS-GSX9000_7-3-X_DISABLE_ ISUP-CIRCUIT-MODE
C_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT	A_SONUS-GSX9000_7-3-X_DISABLE_ ISUP-CIRCUIT-STATE
C_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT	A_SONUS-GSX9000_7-3-X_MOD_ ISUP-CIRCUIT-CONF
C_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT	A_SONUS-GSX9000_7-3-X_ENABLE_ ISUP-CIRCUIT-STATE
C_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT	A_SONUS-GSX9000_7-3-X_ENABLE_ ISUP-CIRCUIT-MODE

C_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-MODE

Modifies ISUP operational state.

Table 3–92   C_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-MODE

Parameter Name	Description	Range	Default Value	Type	Class
CIC	The set of CICs that comprise this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0-16383-ANSI1992 and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R
ISCNAME	The name of the ISUP service used by the circuit that you are configuring.	N/A	N/A	S	R
ISC_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE BLOCK is requested: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
ISC_MODE	The operational state of the server module in the GSX chassis: BLOCK , UNBLOCK , RESET , COT	N/A	N/A	S	R
ISC_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE BLOCK. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	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 3–93   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ ISUP-CIRCUIT-MODE	A_SONUS-GSX9000_7-3-X_MOD_ ISUP-CIRCUIT-MODE

C_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-STATE

Modifies ISUP administrative state.

Table 3–94   C_SONUS-GSX9000_7-3-X_MOD_ISUP-CIRCUIT-STATE

Parameter Name	Description	Range	Default Value	Type	Class
CIC	The set of CICs that comprise this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0-16383-ANSI1992 and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R
ISCNAME	The name of the ISUP service used by the circuit that you are configuring.	N/A	N/A	S	R
ISC_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	R
NE_ID_SONUS_ GSX9000	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 3–95   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ ISUP-CIRCUIT-STATE	A_SONUS-GSX9000_7-3-X_MOD_ ISUP-CIRCUIT-STATE

C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE

Modifies an ISUP service to a trunk group.

Table 3–96   C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
ANSSUPVTIMEOACT	Specifies the action to take if the answer supervision timer expires (i.e. no signaled answer is received): release - release the call: softanswer - answer the call.	N/A	N/A	S	O
ANSSUPVTIMEOUT	When answer supervision is enabled, specifies the timeout period, in seconds, from the egress receiving the first backwards message from the called party exchange (Call Proceeding, Alerting, Call Progress) until the call is answered.	N/A	N/A	S	O
CBPROFNO	The index number of the CRANKBACK PROFILE to use with this ISUP service group. This must specify a valid Call Crankback profile index, in the range 1-10. The default is 1, or Call Crankback Profile default.	N/A	N/A	S	O

Table 3–96 (Cont.) C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
CGRTIMEOUT	The time (in seconds) to wait to release a call when that call was rejected due to congestion. This parametereffectively prevents the machine congestion level from escalating due to rapid repeated call attempts byequipment that does not support congestion detection. Must be 0-5 (seconds), default is 0. A value of 0disables this timer.If this value is nonzero, the timer is started when a call is rejected due to congestion. When the timer expires, the network release is sent and the call resources are deallocated. If a network release is received during the delay, the timer is stopped and the call resources are deallocated.	N/A	N/A	S	O
CHARGE_AREA	Specifies the 5-digit Terminating Charge Area value. The Charge Area is set in the ACM or CPG message if a script is returned from the PSX or for a Disconnect Treatment Profile.	N/A	N/A	S	O
CLLI_BUILDING_ CODE	The building code to be used in the CLLI parameter for ANSI GR317 circuit validation test failure. Must be a two character string, default is 00.	N/A	N/A	S	O
CLLI_BUILDING_ SUB_DIVISION_CODE	The building sub division code to be used in the CLLI parameter for ANSI GR317 circuit validation test failure. Must be a three character string, default is 000.	N/A	N/A	S	O
CLLI_STATE_CODE	The state code to be used in the CLLI parameter for ANSI GR317 circuit validation test failure. Must be a two character string, default is 00.	N/A	N/A	S	O
CLLI_TOWN_CODE	The town code to be used in the CLLI parameter for ANSI GR317 circuit validation test failure. Must be a four character string, default is 0000.	N/A	N/A	S	O
CLUSTER_ROUTING	Specifies whether this DPC supports cluster routing (also known as member routing). Valid values: unsupported or supported.	N/A	N/A	S	O
CONFIRMATION_ TONE	A confirmation tone to play when the ISUP call is answered (prior to media cut through). The confirmation tone must be configured as part of the ISUP service group's TONE PACKAGE. A confirmation tone is typically used by a calling PBX to begin billing.	N/A	N/A	S	O
CONFTONEOVER	Specifies support for subscriber-level confirmation tone: suppported - a confirmation tone plays for all ingress calls: unsupported - use the Calling Party Subscriber screen on the PSX to activate the confirmation tone.	N/A	N/A	S	O

Table 3–96   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
CONTFREQ	The frequency with which Continuity Tests will be performed on each ISUP Service Group circuit. Must be 0-16.	N/A	N/A	S	O
CONTROL	The set of CICs controlled by this GSX for the sake of resolving dual-seizure scenarios. Additionally, if the HUNT parameter is set to mostnleastidle, a CIC search algorithm is also implied.	N/A	N/A	S	O
COST	The relative cost of using the CICs configured in this service. Must be 0-100. A value of 100 represents the highest possible cost.	N/A	N/A	S	O
CUTTHRUOVERRIDE	Specifies whether to override the protocol-specific cut through direction when the ACM is receivedwith a backward call indicator (BCI) of Interworking Encountered: unsupported - no override will occurl: backwardscutthru - perform backwards cut through: fullduplexcutthru - perform a full duplex cut through: nocutthru - perform no cut through	N/A	N/A	S	O
DEL_IXC_TC_CODE	Specifies whether to prevent (delete) transit carrier (TC) or inter-exchange carrier (IXC) sub-parameters from being sent in the carrier information transfer (CIT) parameter.	N/A	N/A	S	O
DISABLE_ISUP_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
DISABLE_ISUP_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
DISCONNECT_ TREATMENT_ PROFILE	The name of a Disconnect Treatment Profile that will be used to map a disconnect reason code to a Disconnect Signaling Sequence Profile (SSP) for the ISUP service.	N/A	N/A	S	O
DPC	The destination point code of the central office switch that this service is connected to.	N/A	N/A	S	O

Table 3–96 (Cont.) C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
ENABLE_ISUP_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
ENABLE_ISUP_MODE	The operational state of the server module in the GSX chassis. Valid values: inservice (Active), outofservice (Not active, able to put into disabled administrative state).	N/A	inservice	S	O
ENABLE_ISUP_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	enabled	S	R
ENABLE_ISUP_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
GRSATSTARTUP	Specifies whether to issue reset messages to all circuits in this service group when a CNS module is started or restarted.	N/A	N/A	S	O
HOPCOUNTSTATE	The state of Hop Counting procedures for this service group.	N/A	N/A	S	O
HOPCOUNTVALUE	The initial Hop Counter value to use (if hopcountstat is enabled). Must be 10-32.	N/A	N/A	S	O
HUNT	The hunt algorithm for choosing a specific CIC within a trunk group. This algorithm must complement the one that is in effect at the central office switch.	N/A	N/A	S	O
INR_INF_PROFILE	Name of the INR INF profile used by this ISUP service. This name is identical to the name of the ISUP signaling profile used by this ISUP service.	N/A	N/A	S	O
INSPECTION_ FREQUENCY	The default inspection frequency is once per day. The date-time for each inspection is calculated from the initial INSPECTION TIME, so that correct frequency and timing is maintained even if the GSX has been rebooted.	N/A	N/A	S	O
INSPECTION_STATE	Sets the occurrence of circuit inspections off or on. Valid values: disabled or enabled.	N/A	N/A	S	O
INSPECTION_TIME	Inspection time, specified in date-time format. The INSPECTION parameters provide a way to set up automatic regular testing and synchronization of call and maintenance states on all circuits in the ISUP service group.	N/A	N/A	S	O

Table 3–96   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
ISUP_ CONFIGURATION	The configuration of the module. Possible values: ADMIN, STATUS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	R
LDC_ACTION	Specifies the action to take if the Long Duration Call (LDC) timer expires. The call may be released, a SNMP trap may be generated, or both	N/A	N/A	S	O
LDC_EMERGENCY_ CALLS	Specifies whether emergency calls should be excluded from, or included in Long Duration Call (LDC) disconnect procedures	N/A	N/A	S	O
LDC_RELEASE_ CAUSE	Specifies the GSX disconnect reason used to release the call if the call is released due to Long Duration Call (LDC) timer expiry.	N/A	N/A	S	O
LDC_TIMEOUT	Specifies the timeout value of the Long Duration Call (LDC) timer in minutes	N/A	N/A	S	O
LOCATION_REL	Specifies the Cause Indicator Location Value to set in ACM/CPG or REL messages when the GSX internally releases the call.	N/A	N/A	S	O
LOCATION_REL34	Specifies an updated Cause Indicator Location Value to set in the ISUP REL message sent to the ingress network for Release Cause 34 No circuit/channel available	N/A	N/A	S	O
LOCATION_REL42	Specifies an updated Cause Indicator Location Value to set in the ISUP REL message sent to the ingress network for release cause 42 Switching equipment congestion	N/A	N/A	S	O
MINIMUM_DIGITS_ FOR_SENDING_DS_ QUERY	The minimum number of CalledAddress digits to collect before attempting a route query, when overlap addressing is supported and CalledAddress receive is not complete. Must be 0-30, default is 0 (digits).	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
NODE_IDENTITY	Specifies whether to generate an Application Transport Mechanism (APM) message with Charging Tariff (CRGT) data in response to an IAM for this service group	N/A	N/A	S	O

Table 3–96   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
OLD_ENABLE_ISUP_ ACTION	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
OLD_ENABLE_ISUP_ MODE	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
OLD_ENABLE_ISUP_ STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	O
OLD_ENABLE_ISUP_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
OLIPCHECK	When a call with a Charge Number and a Calling Party Number arrives, by default the GSX checks for Originating Line Information Parameters (OLIP) and rejects the call if they are not present. Valid values: on (check for OLIP), off	N/A	N/A	S	O
PROFILENAME	The name of the ISUP service profile that you are applying to this ISUP service.	N/A	N/A	S	O
REVISION	The ISUP protocol revision that will be supported for this ISUP service.	N/A	N/A	S	O
SENDINGOLIPCHEC K	When a call with a Charge Number and a Calling Party Number is sent, by default the GSX checks for Originating Line Information Parameters (OLIP) and rejects the call if they are not present. This parameter turns OLIP checking off for certain switches that do not supply OLIP information to such calls.	N/A	N/A	S	O
SEQUENTIALGRS	Specifies whether to issue the Circuit Group ResetMessage (GRS) in parallel or sequentially to the circuits. unsupported - Issue the reset messages in parallelon the circuits. supported - Reset all circuits by sequentiallyissuing GRS one at a time per remote point code.This may be necessary for inter-working with carrierswho become congested or overloaded whenprocessing large numbers of GRS messages at once.	N/A	N/A	S	O
SIGNALING_PROFILE	The name of the ISUP signaling profile that you are applying to this ISUP service.	N/A	N/A	S	O

Table 3–96   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
SKIP_CB_PROFILE	The index number of the SKIP CRANKBACK PROFILE to use with this ISUP service group.	N/A	N/A	S	O
TANDEM_LIMIT_ COUNTER	Specifies a Limit Counter to be set in an outgoing IAM when a TANDEMCALLCOUNTER parameter is not received.	N/A	N/A	S	O
TONE_PACKAGE	The name of a tone package to be used by the ISUP service.	N/A	N/A	S	O
TRUNK_GROUP	The name of the trunk group to which this ISUP service belongs.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–97   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE	A_SONUS-GSX9000_7-3-X_QRY_ISUP-SERVICE
C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE	A_SONUS-GSX9000_7-3-X_DISABLE_ ISUP-SERVICE-MODE
C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE	A_SONUS-GSX9000_7-3-X_DISABLE_ ISUP-SERVICE-STATE
C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE	A_SONUS-GSX9000_7-3-X_MOD_ ISUP-SERVICE-CONF
C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE	A_SONUS-GSX9000_7-3-X_ENABLE_ ISUP-SERVICE-STATE
C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE	A_SONUS-GSX9000_7-3-X_ENABLE_ ISUP-SERVICE-MODE

C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-ACC

Modifies an ISUP ACC service to a trunk group.

Table 3–98   C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-ACC

Parameter Name	Description	Range	Default Value	Type	Class
ACCL1ARCANCELPERCENT	Automatic Congestion Control (ACC) Level 1 (L1) Alternate Routed (AR) Cancel Percentage. Indicates the percentage of alternate-routed calls to be released. Must be 0-100.	N/A	N/A	S	O
ACCL1DRCANCELPERCENT	ACC Level 1 Direct Routed (DR) Cancel Percentage. Specifies percentage of direct-routed calls to be released. A call is considered direct-routed when it first arrives to a service group to be routed, and retry has not yet been attempted. Must be 0-100.	N/A	N/A	S	O
ACCL2ARCANCELPERCENT	ACC Level 2 AR Cancel Percentage. Must be 0-100.	N/A	N/A	S	O
ACCL2DRCANCELPERCENT	ACC Level 2 DR Cancel Percentage. Must be 0-100.	N/A	N/A	S	O
ACCL3ARCANCELPERCENT	ACC Level 3 AR Cancel Percentage. Must be 0-100.	N/A	N/A	S	O
ACCL3DRCANCELPERCENT	ACC Level 3 DR Cancel Percentage. Must be 0-100.	N/A	N/A	S	O
ACCRESPPROCESS	Sets the Automatic Congestion Control (ACC) Response Process to disabled or enabled.	N/A	N/A	S	R
ACCSENDACL	Specifies the maximum ACL value sent to a remote node for this ISUP Service Group. 0 means ACC is disabled. Must be 0-3.	N/A	N/A	S	O
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
ISUP_CONFIGURATION	The configuration of the module. Possible values: ADMIN, STATUS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	R
NE_ID_SONUS_GSX9000	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 3–99   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-ACC	A_SONUS-GSX9000_7-3-X_QRY_ISUP-SERVICE
C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-ACC	A_SONUS-GSX9000_7-3-X_MOD_ISUP-ACC-RESPONSE
C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-ACC	A_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-ACC

C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-GROUP

Modifies the ISUP service group.

Table 3–100   C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
GROUP	A wild-card means of blocking or unblocking all of the underlying ISUP circuits in the service group. Valid values: blocked, unblocked, reset.	N/A	N/A	S	R
GROUP_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
GROUP_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
NE_ID_SONUS_ GSX9000	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 3–101   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ ISUP-SERVICE-GROUP	A_SONUS-GSX9000_7-3-X_MOD_ ISUP-SERVICE-GROUP

C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-MODE

Modifies an ISUP service to a trunk group operational state.

Table 3–102   C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-MODE

Parameter Name	Description	Range	Default Value	Type	Class
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
ISUP_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
ISUP_MODE	The operational state of the server module in the GSX chassis. Valid values: inservice (Active), outofservice (Not active, able to put into disabled administrative state).	N/A	N/A	S	R
ISUP_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	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 3–103   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ ISUP-SERVICE-MODE	A_SONUS-GSX9000_7-3-X_MOD_ ISUP-SERVICE-MODE

C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-STATE

Modifies an ISUP service to a trunk group administrative state.

Table 3–104   C_SONUS-GSX9000_7-3-X_MOD_ISUP-SERVICE-STATE

Parameter Name	Description	Range	Default Value	Type	Class
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
ISUP_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	R
NE_ID_SONUS_ GSX9000	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 3–105   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ ISUP-SERVICE-STATE	A_SONUS-GSX9000_7-3-X_MOD_ ISUP-SERVICE-STATE

C_SONUS-GSX9000_7-3-X_MOD_SERVER-MODE

Modifies the server state on the GSX node.

Table 3–106   C_SONUS-GSX9000_7-3-X_MOD_SERVER-MODE

Parameter Name	Description	Range	Default Value	Type	Class
CORE_DUMP	The action to be taken when a fatal software fault is detected in the module. Values: disabled or enabled (perform core dump, then reboot).	N/A	N/A	S	O
NE_ID_SONUS_GSX9000	Remote Network Element name.	N/A	N/A	S	R
SERVER_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
SERVER_MODE	The operational state of the server module in the GSX chassis: inservice (Active) or outofservice (not active, able to put into disabled administrative state).	N/A	N/A	S	O
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	R
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–107   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_SERVER-MODE	A_SONUS-GSX9000_7-3-X_MOD_SERVER-MODE

C_SONUS-GSX9000_7-3-X_MOD_SERVER-STATE

Modifies the server mode on the GSX node.

Table 3–108   C_SONUS-GSX9000_7-3-X_MOD_SERVER-STATE

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SERVER_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	R
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–109   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_SERVER-STATE	A_SONUS-GSX9000_7-3-X_MOD_SERVER-STATE

C_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-IDLECODE

Modify T1 channel configuration IDLECODE option.

Table 3–110   C_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-IDLECODE

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration.	N/A	N/A	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	The span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1CHANNEL	T1 Channel number or T1 Channel range.	N/A	N/A	S	R

Table 3–110   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-IDLECODE

Parameter Name	Description	Range	Default Value	Type	Class
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12).For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1_CHANNEL_ IDLECODE	This value is inserted in an idle channel. Must be 0-255. The value should be in Hex format (0xN, example 0x7F for 127).	N/A	N/A	S	R
T1_PORT	The port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–111   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ T1-CHANNEL-IDLECODE	A_SONUS-GSX9000_7-3-X_QRY_ T1-CHANNEL-CONF-RB
C_SONUS-GSX9000_7-3-X_MOD_ T1-CHANNEL-IDLECODE	A_SONUS-GSX9000_7-3-X_MOD_ T1-CHANNEL-IDLECODE

C_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-LOOPBACK

Modify T1 channel configuration LOOPBACK option.

Table 3–112   C_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-LOOPBACK

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration.	N/A	N/A	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	The span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1CHANNEL	T1 Channel number or T1 Channel range.	N/A	N/A	S	R

Table 3–112   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-LOOPBACK

Parameter Name	Description	Range	Default Value	Type	Class
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12).For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1_CHANNEL_ LOOPBACK	The type channel loopback.	N/A	N/A	S	R
T1_PORT	The port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–113   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ T1-CHANNEL-LOOPBACK	A_SONUS-GSX9000_7-3-X_QRY_ T1-CHANNEL-CONF-RB
C_SONUS-GSX9000_7-3-X_MOD_ T1-CHANNEL-LOOPBACK	A_SONUS-GSX9000_7-3-X_MOD_ T1-CHANNEL-LOOPBACK

C_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-MODE

Modify T1 channel configuration MODE option.

Table 3–114   C_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-MODE

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration.	N/A	N/A	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	The span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1CHANNEL	T1 Channel number or T1 Channel range.	N/A	N/A	S	R

Table 3–114   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-MODE

Parameter Name	Description	Range	Default Value	Type	Class
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12).For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1_CHANNEL_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Values are dryup (all active calls are allowed to complete until the timeout interval expires), force (all calls are dropped immediately).	N/A	N/A	S	O
T1_CHANNEL_MODE	The operational state of the server module in the GSX chassis. Values are: inservice (Active), outofservice (Not active, able to put into disabled administrative state).	N/A	N/A	S	R
T1_CHANNEL_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
T1_PORT	The port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–115   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ T1-CHANNEL-MODE	A_SONUS-GSX9000_7-3-X_QRY_ T1-CHANNEL-CONF-RB
C_SONUS-GSX9000_7-3-X_MOD_ T1-CHANNEL-MODE	A_SONUS-GSX9000_7-3-X_MOD_ T1-CHANNEL-MODE

C_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-TONE

Modify T1 channel configuration TONE option.

Table 3–116   C_SONUS-GSX9000_7-3-X_MOD_T1-CHANNEL-TONE

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration.	N/A	N/A	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	The span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1CHANNEL	T1 Channel number or T1 Channel range.	N/A	N/A	S	R
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12).For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1_CHANNEL_TONE	Specifies whether call progress tones are provided by the far end switch on egress calls.	N/A	N/A	S	R
T1_PORT	The port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–117   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ T1-CHANNEL-TONE	A_SONUS-GSX9000_7-3-X_QRY_ T1-CHANNEL-CONF-RB
C_SONUS-GSX9000_7-3-X_MOD_ T1-CHANNEL-TONE	A_SONUS-GSX9000_7-3-X_MOD_ T1-CHANNEL-TONE

C_SONUS-GSX9000_7-3-X_MOD_T1-FACILITY

Modifies T1 circuit that is supported by a Circuit Network Server on the GSX.

Table 3–118   C_SONUS-GSX9000_7-3-X_MOD_T1-FACILITY

Parameter Name	Description	Range	Default Value	Type	Class
AVAILABLE_CHANNELS	The set of available channels for this T1. Maximum range is 1-24, default is 1-24 (a full T1). Any discrete set of channels within this range may be specified.	N/A	N/A	S	O
BUILDOUT	The length of T1 wire that must be driven, expressed in increments of 110 feet. This is the length between the GSX and a repeater or patch panel.	N/A	N/A	S	O
CIRCUIT_ID	The name of the circuit ID.	N/A	N/A	S	O
CODING	The T1 line coding: AMI, B8ZS. Note that this parameter is not accessible on spans that belong to a T3 circuit.	N/A	N/A	S	O
DISABLE_T1_CIRCUIT_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Values are: dryup (all active calls are allowed to complete until the timeout interval expires), force (all calls are dropped immediately).	N/A	N/A	S	O
DISABLE_T1_CIRCUIT_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
ECHO_PROFILE	The name of an echo canceller profile to be applied to this T1 circuit.	N/A	N/A	S	O
ENABLE_T1_CIRCUIT_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Values are: dryup (all active calls are allowed to complete until the timeout interval expires), force (all calls are dropped immediately).	N/A	N/A	S	O
ENABLE_T1_CIRCUIT_MODE	The operational state of the server module in the GSX chassis. Values are: inservice (Active), outofservice (not active, able to put into disabled administrative state).	N/A	inService	S	O
ENABLE_T1_CIRCUIT_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	enabled	S	R
ENABLE_T1_CIRCUIT_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
IDLECODE	This value is inserted in an idle channel. Must be 0-255, default is 127 (0x7F).	N/A	N/A	S	O
LINETYPE	The frame format used on the T1: ESF, D4.	N/A	N/A	S	O

Table 3–118   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_T1-FACILITY

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
OLD_ENABLE_T1_ CIRCUIT_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Values are: dryup (all active calls are allowed to complete until the timeout interval expires), force (all calls are dropped immediately).	N/A	N/A	S	O
OLD_ENABLE_T1_ CIRCUIT_MODE	The operational state of the server module in the GSX chassis. Values are: inservice (Active), outofservice (not active, able to put into disabled administrative state).	N/A	N/A	S	O
OLD_ENABLE_T1_ CIRCUIT_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	N/A	S	O
OLD_ENABLE_T1_ CIRCUIT_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
PROFILE	The name of the profile to be applied to this T1 object.	N/A	N/A	S	O
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SIGNALING	Signaling used for this T1: none, robbedBit. In-band signaling achieved by stealing bits from the speech path; required by CAS services.	N/A	N/A	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O

Table 3–118   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_T1-FACILITY

Parameter Name	Description	Range	Default Value	Type	Class
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1_CONFIGURATION	The configuration of the module. Possible values: ADMIN and STATUS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	R
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
ZEROSUPPRESSION	Specifies the zero suppression control to be appliedon this T1 span values: none, jamBit8, signalFrameOnlyJamBit8, gteZeroSuppression, bellZeroSuppression	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–119   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_T1-FACILITY	A_SONUS-GSX9000_7-3-X_QRY_T1-CIRCUIT
C_SONUS-GSX9000_7-3-X_MOD_T1-FACILITY	A_SONUS-GSX9000_7-3-X_DISABLE_ T1-CIRCUIT-MODE
C_SONUS-GSX9000_7-3-X_MOD_T1-FACILITY	A_SONUS-GSX9000_7-3-X_DISABLE_ T1-CIRCUIT-STATE
C_SONUS-GSX9000_7-3-X_MOD_T1-FACILITY	A_SONUS-GSX9000_7-3-X_MOD_T1-CIRCUIT
C_SONUS-GSX9000_7-3-X_MOD_T1-FACILITY	A_SONUS-GSX9000_7-3-X_ENABLE_ T1-CIRCUIT-STATE
C_SONUS-GSX9000_7-3-X_MOD_T1-FACILITY	A_SONUS-GSX9000_7-3-X_ENABLE_ T1-CIRCUIT-MODE

C_SONUS-GSX9000_7-3-X_MOD_T1-FACILITY-MODE

Modifies the T1 circuit operational state that is supported by a Circuit Network Server on the GSX.

Table 3–120   C_SONUS-GSX9000_7-3-X_MOD_T1-FACILITY-MODE

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1_CIRCUIT_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Values are dryup (all active calls are allowed to complete until the timeout interval expires), force (all calls are dropped immediately).	N/A	N/A	S	O
T1_CIRCUIT_MODE	The operational state of the server module in the GSX chassis. Values are: inservice (Active), outofservice (Not active, able to put into disabled administrative state).	N/A	inService	S	O
T1_CIRCUIT_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–121   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ T1-FACILITY-MODE	A_SONUS-GSX9000_7-3-X_MOD_T1-CIRCUIT-MODE

C_SONUS-GSX9000_7-3-X_MOD_T1-FACILITY-STATE

Modifies a T1 circuit administrative state that is supported by a Circuit Network Server on the GSX.

Table 3–122   C_SONUS-GSX9000_7-3-X_MOD_T1-FACILITY-STATE

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1_CIRCUIT_STATE	The administrative state of the module in the chassis slot. Values: disabled or enabled.	N/A	enabled	S	R
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–123   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ T1-FACILITY-STATE	A_SONUS-GSX9000_7-3-X_MOD_T1-CIRCUIT-STATE

C_SONUS-GSX9000_7-3-X_MOD_T1-LOCAL-LOOPBACK

Modifies a T1 Local Loopback Type.

Table 3–124   C_SONUS-GSX9000_7-3-X_MOD_T1-LOCAL-LOOPBACK

Parameter Name	Description	Range	Default Value	Type	Class
NEAREND	The type of local loopback: noloop, payloadloop, lineloop, inwardloop, dualloop.	N/A	N/A	S	R
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1_CONFIGURATION	The configuration of the module. Possible values: ADMIN and STATUS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	R
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–125   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ T1-LOCAL-LOOPBACK	A_SONUS-GSX9000_7-3-X_QRY_T1-CIRCUIT
C_SONUS-GSX9000_7-3-X_MOD_ T1-LOCAL-LOOPBACK	A_SONUS-GSX9000_7-3-X_MOD_ T1-LOCAL-LOOPBACK

C_SONUS-GSX9000_7-3-X_MOD_T1-REMOTE-LOOPBACK

Modifies a T1 Remote Loopback Type.

Table 3–126   C_SONUS-GSX9000_7-3-X_MOD_T1-REMOTE-LOOPBACK

Parameter Name	Description	Range	Default Value	Type	Class
FAREND	The type of remote loopback: sendnocode, sendlinecode, sendresetcode, sendqrspattern, send2in24pattern.	N/A	N/A	S	R
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1_CONFIGURATION	The configuration of the module. Possible values: ADMIN and STATUS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	R
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–127   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ T1-REMOTE-LOOPBACK	A_SONUS-GSX9000_7-3-X_QRY_T1-CIRCUIT
C_SONUS-GSX9000_7-3-X_MOD_ T1-REMOTE-LOOPBACK	A_SONUS-GSX9000_7-3-X_MOD_ T1-REMOTE-LOOPBACK

C_SONUS-GSX9000_7-3-X_MOD_T1-TCAF-STATE

Modify the TCAF state.

Table 3–128   C_SONUS-GSX9000_7-3-X_MOD_T1-TCAF-STATE

Parameter Name	Description	Range	Default Value	Type	Class
ERROR_TYPE	Particular Error Type. Values are:ALL, CV-L, ES-L, SES-EL, CV-P, ES-P, SES-P, SAS-P, CSS-P, SEFS-P, UAS-P.	N/A	N/A	S	R
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O
TCAF_STATE	Specifies the state of the threshold crossing alert filter for the particular error type: disabled - Do not generate a threshold crossing alert event when the threshold is exceeded for this error type: enabled - Generate a threshold crossing alert event when the threshold is exceeded for this error type.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–129   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_T1-TCAF-STATE	A_SONUS-GSX9000_7-3-X_MOD_T1-TCAF-STATE

C_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP

Modifies a trunk group.

Table 3–130   C_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
BWLIMITREDUC	Specifies the amount to reduce the bandwidth limit (as a percentage of the configured limit) when a packet outage is detected. Must be 0-100, default is 50 (percent).	N/A	N/A	S	O
CARRIER	The name of the carrier that supports this trunk group.	N/A	N/A	S	O
CIRCUIT_ RESERVATION_ STATE	The state of the circuit reservation feature. Values are: disabled, enabled.	N/A	N/A	S	O
EARLYACM	Specifies whether an ACM or SIP-18x will be sent when an HPC call is queued (when supporting HPC network capability)	N/A	N/A	S	O
EGRESS_CALLBURST	In terms of the single token bucket IP policing paradigm, this is the bucket size used by the call policer, in number of calls.	N/A	N/A	S	O
EGRESS_CALLRATE	In terms of the single token bucket IP policing paradigm, this is thefill rate used by the call policer on the call leg.	N/A	N/A	S	O
EGRESS_CALL_ NONPRI_ THRESHOLD	Specified the number of tokens reserved for priority calls when policing for non priority calls. This object is valid only for IP Trunk Groups.	N/A	N/A	S	O
EGRESS_ NONINVITE_BURST	In terms of the single token bucket IP policing paradigm, this is the bucket size used by the SIP NONINVITE policer on the call leg that is created when the initial NONINVITE is received on the GSX.	N/A	N/A	S	O
EGRESS_ NONINVITE_RATE	In terms of the single token bucket IP policing paradigm, this is the fill rate used by the SIP NONINVITE call policer, in number of calls.	N/A	N/A	S	O
EMER_IP_OVERSUB_ FACTOR	Specifies the percentage over the configured allowed resources for an IP trunk group that Emergency calls can consume	N/A	N/A	S	O
ENABLE_TG_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires, the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
ENABLE_TG_MODE	The operational state of the trunk group. Valid values: inservice or outOfService.	N/A	inservice	S	O

Table 3–130   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
ENABLE_TG_STATE	The administrative state of the trunk group. Valid values: enabled or disabled.	N/A	enabled	S	R
ENABLE_TG_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
HPCPROFILE	Specifies the name of the High Probability of Completion (HPC) trunk group profile.	N/A	N/A	S	O
INBOUND	The percent of channels reserved for inbound calls in PSTN trunk groups. Must be 0-100, in increments of 5. Default is 0.	N/A	N/A	S	O
INCOMING_CALL	The minimum number of incoming call circuits to be reserved for this trunk group. Must be 0-128, default is 1.	N/A	N/A	S	O
INGRESS_CALLBURST	In terms of the single token bucket IP policing paradigm, this is the bucket size used by the call policer, in number of calls.	N/A	N/A	S	O
INGRESS_CALLRATE	In terms of the single token bucket IP policing paradigm, this is thefill rate used by the call policer on the call leg.	N/A	N/A	S	O
INGRESS_CALL_NONPRI_THRESHOLD	Specified the number of tokens reserved for priority calls when policing for non priority calls. This object is valid only for IP Trunk Groups.	N/A	N/A	S	O
INGRESS_NONINVITE_BURST	In terms of the single token bucket IP policing paradigm, this is the bucket size used by the SIP NONINVITE policer on the call leg that is created when the initial NONINVITE is received on the GSX.	N/A	N/A	S	O
INGRESS_NONINVITE_RATE	In terms of the single token bucket IP policing paradigm, this is the fill rate used by the SIP NONINVITE call policer, in number of calls.	N/A	N/A	S	O
IPBWLIMIT	Maximum amount of bandwidth allowed for this IP trunk group in units of 1K bits per second. Must be - 1 or 0-2147483647 as follows: -1 - do not enforce any limit: 0 - do not allow any calls: non-zero - allow up to the specified number of calls. Default is -1, or no limit on bandwidth.	N/A	N/A	S	O
IPCLIMIT	Maximum number of calls allowed for an IP trunk group. Must be -1 or 0-147483647 as follows: -1 - do not enforce any limit: 0 - do not allow any calls: non-zero - allow up to the specified number of calls. Default is -1, or no limit on calls.	N/A	N/A	S	O

Table 3–130   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
IP_REG_EST_CHILD_REG	Specifies the estimated number of child registrations (including the parent).	N/A	N/A	S	O
IP_REG_LIMIT	Specifies the maximum number of registrations admitted on this IP trunk group.	N/A	N/A	S	O
L1CALLS	Specifies the percentage of ingress calls that are permitted on this IP trunk group when SILC STATE is enabled and the congestion level is MC1. Must be 0-100, default is 75.	N/A	N/A	S	O
L2CALLS	Specifies the percentage of ingress calls that are permitted on this IP trunk group when SILC STATE is enabled and the congestion level is MC2. Must be 0-100, default is 25.	N/A	N/A	S	O
LOCAL_POLICY_TG_PROFILE	Specifies the name of the Local Policy Trunk Group Profile when the GSX is operating in Local Policy mode.	N/A	N/A	S	O
MBWPERREQ	Specifies the amount of bandwidth allowed on the underlying slave IP trunk group after the slave has reached the IP BANDWIDTH LIMIT. Must be -1 or 0-2147483647 as follows:-1 - do not enforce any bandwidth limit: 0 - do not allow any bandwidth allocation: non-zero - allow up to the specified amount of bandwidth allocation. Default is 6400 (in units of 1K bits per second).	N/A	N/A	S	O
MCPERREQ	Specifies the number of calls allowed on the underlying slave IP trunk group after the slave has reachedits IP CALL LIMIT. Must be -1 or 0-2147483647 as follows: -1 - do not enforce any limit: 0 - do not allow any calls: non-zero - allow up to the specified number of callsDefault is 100.	N/A	N/A	S	O
MINCALLS	Specifies, for the current interval, the number of calls with outages that are required to declare a packet outage event. Must be 0-65535, default is1000 (calls).	N/A	N/A	S	O
MINDUR	Specifies the minimum period of outage for a call, in milliseconds, for that call to be counted as part of the packet outage detection algorithm. Must be 0- 65535, default is 6000 (milliseconds).	N/A	N/A	S	O
MTGNAME	The name of the master trunk group to which the underlying trunk group belongs as a slave. Every trunk group either belongs to a master trunk group in this manner, or does not (MASTER TRUNKGROUP NAME NONE).	N/A	N/A	S	O

Table 3–130   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
NAME	The new name of the trunkgroup. When an inService trunk group is renamed, the tgname string is saved in ALTERNATE NAME and this string replaces tgname.	N/A	N/A	S	O
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
NSTABLENAME	Specifies the name of the Network Selector Table.Each entry in this table is a network selector that specifies the group of signaling peers that use a particular IP trunk group.	N/A	N/A	S	O
NUMBER	A unique number that may be assigned to the trunk group by the customer and used for circuit validation testing purposes. Default value is 0000.	N/A	N/A	S	O
OLD_ENABLE_TG_ ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires, the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
OLD_ENABLE_TG_ MODE	The operational state of the trunk group. Valid values: inservice or outOfService.	N/A	inservice	S	O
OLD_ENABLE_TG_ STATE	The administrative state of the trunk group. Valid values: enabled or disabled. Used for the rollback.	N/A	N/A	S	O
OLD_ENABLE_TG_ TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O
OUTGOING_CALL	The minimum percentage of outgoing call circuits to be reserved for this trunk group. This percentage is applied to the total number of circuits less the circuits reserved for incoming calls less the circuits reserved for priority calls. Must be 0-100, default is 10.	N/A	N/A	S	O
OVERRIDE	Specifies whether the IP oversubscription factor setting on this trunk group overrides the oversubscription factor setting on the associated trunk group profile	N/A	N/A	S	O
OVERSUB	Specifies the percentage over the configured allowed resources for an IP trunk group that HPC calls can consume before being queued.	N/A	N/A	S	O

Table 3–130   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
PIPTGROUP	Specifies the parent IP trunk group. Used to build a hierarchy of IP trunk group relationships.	N/A	N/A	S	O
PODINTERVAL	Specifies the time interval, in minutes, for detecting packet outages via the packet outage detection algorithm.Must be 5-1440, default is 15 (minutes).This object is only valid for IP trunk groups.	N/A	N/A	S	O
PODSTATE	Specifies the administrative state of packet outage detection: enabled - automatic bandwidth reduction will occur when a packet outage is detected: disabled - packet outages are not detected and the maximum bandwidth limit is restored.	N/A	N/A	S	O
PRIORITY_CALL	The minimum number of priority call circuits to be reserved for this trunk group. Must be 0-100, default is 1.	N/A	N/A	S	O
RENAME_TIMER	The amount of time in seconds that the previous trunk group name, saved in ALTERNATE NAME, will be accepted when a trunk group is renamed. During this time, the previous trunk group name cannot be used for the name of another trunk group. Must be 0-3600 (seconds), default is 10.	N/A	N/A	S	O
SELECT	The method of hunting through service groups for trunk resources.	N/A	N/A	S	O
SFG_TYPE	The type of Simulated Facility Group (SFG) used by this trunk group. Valid values: none, ni2, dms, user.	N/A	N/A	S	O
SILCSTATE	The administrative state of Selective Incoming LoadControl (SILC), a control that cancels specified percentages of incoming calls for machine congestion levels MC1 and MC2:enabled - SILC control is active: disabled - SILC control is not in effect	N/A	N/A	S	O
SS7_NODE	The name of the SS7 node that provides SS7 signaling for this trunk group.	N/A	N/A	S	O
TGNAME	The name of the trunk group being configured. This name may not contain a period.	N/A	N/A	S	R
TGNAME	The name of the trunk group being configured. This name may not contain a period.	N/A	N/A	S	R

Table 3–130   (Cont.) C_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
TG_ CONFIGURATION	Displays the configuration of the module. Possible values: ADMIN, STATUS or SERVICEGROUPS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	R
TG_DIRECTION	The direction of calls on this IP trunk group. This object is only valid for IP trunk groups: inComing - inbound. outGoing - outbound. bothWays - inbound and outbound.	N/A	N/A	S	O
TRUNKPROFILENAME E	The name of the trunk group profile to apply to this trunk group.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–131   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP	A_SONUS-GSX9000_7-3-X_QRY_TRUNK-GROUP
C_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP	A_SONUS-GSX9000_7-3-X_DISABLE_ TRUNK-GROUP-MODE
C_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP	A_SONUS-GSX9000_7-3-X_DISABLE_ TRUNK-GROUP-STATE
C_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP	A_SONUS-GSX9000_7-3-X_MOD_ TRUNK-GROUP-CONF
C_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP	A_SONUS-GSX9000_7-3-X_ENABLE_ TRUNK-GROUP-STATE
C_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP	A_SONUS-GSX9000_7-3-X_ENABLE_ TRUNK-GROUP-MODE

C_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-MODE

Modifies a trunk group operational state.

Table 3–132   C_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-MODE

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
TGNAME	The name of the trunk group being configured. This name may not contain a period.	N/A	N/A	S	R
TG_ACTION	The method by which active calls on this LINE of the optical interface are processed when MODE OUTOFSERVICE is requested. Valid values: dryup (all active calls are allowed to complete until the timeout interval expires. When timeout expires the calls are dropped), force (all calls are dropped immediately).	N/A	N/A	S	O
TG_MODE	The operational state of the server module in the GSX chassis: inservice (Active), outofservice (Not active, able to put into disabled administrative state).	N/A	N/A	S	O
TG_TIMEOUT	The time (in minutes) to wait to place this LINE of this optical interface into MODE OUTOFSERVICE. Must be 0-1440, default is 5 (minutes). A value of 0 causes the change immediately.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–133   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ TRUNK-GROUP-MODE	A_SONUS-GSX9000_7-3-X_MOD_ TRUNK-GROUP-MODE

C_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-STATE

Modifies a trunk group administrative state.

Table 3–134   C_SONUS-GSX9000_7-3-X_MOD_TRUNK-GROUP-STATE

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
TGNAME	The name of the trunk group being configured. This name may not contain a period	N/A	N/A	S	R
TG_STATE	The administrative state of the trunk group. Valid values: enabled or disabled.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–135   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_MOD_ TRUNK-GROUP-STATE	A_SONUS-GSX9000_7-3-X_MOD_ TRUNK-GROUP-STATE

C_SONUS-GSX9000_7-3-X_QRY_ALL-CAS-CHANNEL

Query All CAS Channel from CAS Service name.

Table 3–136   C_SONUS-GSX9000_7-3-X_QRY_ALL-CAS-CHANNEL

Parameter Name	Description	Range	Default Value	Type	Class
CAS_CHAN_ CONFIGURATION	The configuration of the module. Possible values: ADMIN, STATUS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	O
CAS_CHAN_ SERVICENAME	The name of the CAS service to which the channels are being assigned.	N/A	N/A	S	R
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–137   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_QRY_ ALL-CAS-CHANNEL	A_SONUS-GSX9000_7-3-X_QRY_ ALL-CAS-CHANNEL

C_SONUS-GSX9000_7-3-X_QRY_ALL_ISUP-CIRCUIT

Queries all the trunk CICs (Call Instance Code) associated with a SS7 service.

Table 3–138   C_SONUS-GSX9000_7-3-X_QRY_ALL_ISUP-CIRCUIT

Parameter Name	Description	Range	Default Value	Type	Class
CIC	The set of CICs that comprise this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0-16383-ANSI1992 and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R
ISCNAME	The name of the ISUP service used by the circuit that you are configuring.	N/A	N/A	S	R
ISC_ CONFIGURATION	The configuration of the module. Possible values: ADMIN, STATUS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	R
NE_ID_SONUS_ GSX9000	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 3–139   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_QRY_ALL_ISUP-CIRCUIT	A_SONUS-GSX9000_7-3-X_QRY_ALL_ISUP-CIRCUIT

C_SONUS-GSX9000_7-3-X_QRY_CAS-CHANNEL

Query CAS Channel.

Table 3–140   C_SONUS-GSX9000_7-3-X_QRY_CAS-CHANNEL

Parameter Name	Description	Range	Default Value	Type	Class
CAS_CHAN_ CHANRANGE	A set of channels. Must be one or more ranges of channels within the overall range 1-31.	N/A	N/A	S	R
CAS_CHAN_ CONFIGURATION	The configuration of the module. Possible values: ADMIN, STATUS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	O
CAS_CHAN_PORT	The automatically created (and possibly changed) name of the T1 or E1 span that is assigned to the CAS channels.	N/A	N/A	S	R
CAS_CHAN_ SERVICENAME	The name of the CAS service to which the channels are being assigned.	N/A	N/A	S	R
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–141   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_QRY_CAS-CHANNEL	A_SONUS-GSX9000_7-3-X_QRY_CAS-CHANNEL

C_SONUS-GSX9000_7-3-X_QRY_CAS-SERVICE

Query CAS service.

Table 3–142   C_SONUS-GSX9000_7-3-X_QRY_CAS-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
CAS_ CONFIGURATION	Displays the configuration ofCAS. Possible values: ADMIN and STATUS. ADMIN displays the configuration of the module, STATUS displays the status of the module.	N/A	ADMIN	S	O
CAS_SERVICENAME	The name of the CAS service that is being created and configured.	N/A	N/A	S	R
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
RETURN_DATA_ PREFIX	Optional token used to prefix returned data.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–143   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_QRY_CAS-SERVICE	A_SONUS-GSX9000_7-3-X_QRY_CAS-SERVICE

C_SONUS-GSX9000_7-3-X_QRY_ISDN-BCHANNEL

Queries the configuration and status of B-channels.

Table 3–144   C_SONUS-GSX9000_7-3-X_QRY_ISDN-BCHANNEL

Parameter Name	Description	Range	Default Value	Type	Class
BCHANNEL	A single B-channel number or a set of B-channels. Must be one or more ranges of Bchannels within the overall range 1-23.	N/A	N/A	S	R
BCHANNEL_ CONFIGURATION	The configuration of the module. Possible values: ADMIN, STATUS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	R

Table 3–144 (Cont.) C_SONUS-GSX9000_7-3-X_QRY_ISDN-BCHANNEL

Parameter Name	Description	Range	Default Value	Type	Class
INTERFACE	The number of the ISDN Interface that contains the designated B-channels. Must be 0-20.	N/A	N/A	S	R
NE_ID_SONUS_GSX9000	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which the designated Bchannels are bound.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–145 CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_QRY_ISDN-BCHANNEL	A_SONUS-GSX9000_7-3-X_QRY_ISDN-BCHANNEL

C_SONUS-GSX9000_7-3-X_QRY_ISDN-INTERFACE

Queries an ISDN interface.

Table 3–146 C_SONUS-GSX9000_7-3-X_QRY_ISDN-INTERFACE

Parameter Name	Description	Range	Default Value	Type	Class
INTERFACE	The Q.931 interface identifier. Must be 0-19 or 1-20.	N/A	N/A	S	R
NE_ID_SONUS_GSX9000	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service to which this ISDN Interface is linked.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–147 CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_QRY_ISDN-INTERFACE	A_SONUS-GSX9000_7-3-X_QRY_ISDN-INTERFACE

C_SONUS-GSX9000_7-3-X_QRY_ISDN-SERVICE

Queries an ISDN service in a trunk group.

Table 3–148   C_SONUS-GSX9000_7-3-X_QRY_ISDN-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
ISDN_ CONFIGURATION	The configuration of the module. Possible values: ADMIN, STATUS or PARAMETERS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	R
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SERVICENAME	The name of the ISDN service that is being created and configured.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–149   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_QRY_ISDN-SERVICE	A_SONUS-GSX9000_7-3-X_QRY_ISDN-SERVICE

C_SONUS-GSX9000_7-3-X_QRY_ISUP-CIRCUIT

Queries the trunk CICs (Call Instance Code) associated with a SS7 service.

Table 3–150   C_SONUS-GSX9000_7-3-X_QRY_ISUP-CIRCUIT

Parameter Name	Description	Range	Default Value	Type	Class
CIC	The set of CICs that comprise this ISUP circuit. The range of legal values depends upon the revision of ISUP protocol supported by this service: 0-16383-ANSI1992 and ANSI1995. The field length is 14 bits for this protocol. 0-4095-ITU and ETSI2. The field length is 12 bits for this protocol.	N/A	N/A	S	R
ISCNAME	The name of the ISUP service used by the circuit that you are configuring.	N/A	N/A	S	R
ISC_ CONFIGURATION	The configuration of the module. Possible values: ADMIN, STATUS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	R
NE_ID_SONUS_ GSX9000	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 3–151   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_QRY_ISUP-CIRCUIT	A_SONUS-GSX9000_7-3-X_QRY_ISUP-CIRCUIT

C_SONUS-GSX9000_7-3-X_QRY_ISUP-SERVICE

Queries an ISUP service in a trunk group.

Table 3–152   C_SONUS-GSX9000_7-3-X_QRY_ISUP-SERVICE

Parameter Name	Description	Range	Default Value	Type	Class
ISNAME	The name of the ISUP service you are configuring.	N/A	N/A	S	R
ISUP_ CONFIGURATION	The configuration of the module. Possible values: ADMIN, STATUS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	R
NE_ID_SONUS_ GSX9000	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 3–153   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_QRY_ISUP-SERVICE	A_SONUS-GSX9000_7-3-X_QRY_ISUP-SERVICE

C_SONUS-GSX9000_7-3-X_QRY_SERVER

Queries the server object on the GSX node.

Table 3–154   C_SONUS-GSX9000_7-3-X_QRY_SERVER

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SERVER_ CONFIGURATION	Displays the configuration of the module. Possible values: ADMIN and STATUS. ADMIN displays the configuration of the module, STATUS displays the status of the module.	N/A	ADMIN	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	R
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–155   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_QRY_SERVER	A_SONUS-GSX9000_7-3-X_QRY_SERVER

C_SONUS-GSX9000_7-3-X_QRY_T1-CHANNEL-CONF

Query T1 Channel.

Table 3–156   C_SONUS-GSX9000_7-3-X_QRY_T1-CHANNEL-CONF

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_SONUS_GSX9000	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration.	N/A	N/A	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	The span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1CHANNEL	T1 Channel number or T1 Channel range.	N/A	N/A	S	R
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12).For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1_PORT	The port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–157   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_QRY_T1-CHANNEL-CONF	A_SONUS-GSX9000_7-3-X_QRY_T1-CHANNEL-CONF

C_SONUS-GSX9000_7-3-X_QRY_T1-CHANNEL-CONF-RB

Rollback Query for T1 Channel Config.

Table 3–158   C_SONUS-GSX9000_7-3-X_QRY_T1-CHANNEL-CONF-RB

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration.	N/A	N/A	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	The span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1CHANNEL	T1 Channel number or T1 Channel range.	N/A	N/A	S	R
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12).For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1_PORT	The port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–159   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_QRY_ T1-CHANNEL-CONF-RB	A_SONUS-GSX9000_7-3-X_QRY_ T1-CHANNEL-CONF-RB

C_SONUS-GSX9000_7-3-X_QRY_T1-FACILITY

Queries a T1 circuit that is supported by a Circuit Network Server on the GSX.

Table 3–160   C_SONUS-GSX9000_7-3-X_QRY_T1-FACILITY

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
SHELFNUMBER	The shelf number in the GSX node configuration. In this release, one shelf is supported. Must be 1.	N/A	1	S	O
SLOTNUMBER	The slot number occupied by the module. For MNS/MNA and MTA hardware modules, this number must be 1 or 2. For all other modules, this number must be 3-16.	N/A	N/A	S	O
SPAN	Span number. For CNS10, the span number is 1-12; for CNS30/CNS31/CNS60, the span number is 1-28.	N/A	N/A	S	O
T1NAME	The automatically assigned name of the T1 span. For CNS 10, the default name is T1-shn-sln-spn, where shn is the shelf, sln is the slot, and spn is the span number (1-12). For CNS30/CNS31/CNS60 T1, the default name is T1-shn-sln-ptn-spn, where ptn is the T3 index (1 for CNS30/CNS31 or 1-3 for CNS60), and span (1-28).	N/A	N/A	S	O
T1_CONFIGURATION	The configuration of the module. Possible values: ADMIN and STATUS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	R
T1_PORT	Port number; always 1 for CNS30/CNS31 or 1-3 for CNS60.	N/A	N/A	S	O

Mapping to ASDLs

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

Table 3–161   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_QRY_T1-FACILITY	A_SONUS-GSX9000_7-3-X_QRY_T1-CIRCUIT

C_SONUS-GSX9000_7-3-X_QRY_TRUNK-GROUP

Queries a trunk group.

Table 3–162   C_SONUS-GSX9000_7-3-X_QRY_TRUNK-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_SONUS_ GSX9000	Remote Network Element name.	N/A	N/A	S	R
TGNAME	The name of the trunk group being configured. This name may not contain a period.	N/A	N/A	S	R
TG_ CONFIGURATION	Displays the configuration of the module. Possible values: ADMIN, STATUS or SERVICEGROUPS. ADMIN displays configuration, STATUS the status of the module.	N/A	ADMIN	S	R

Mapping to ASDLs

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

Table 3–163   CSDL to ASDL Mapping

CSDL	ASDL
C_SONUS-GSX9000_7-3-X_QRY_TRUNK-GROUP	A_SONUS-GSX9000_7-3-X_QRY_TRUNK-GROUP

4

⟨Chapter⟩ ⟨Title⟩ **Configuring ASAP to Support Additional NE Instances** ⟨Title⟩

⟨Para⟩ You can configure Oracle Communications ASAP (ASAP) to support the SONUS-GSX9000_7-3-X_HOST - NEP configuration using the Service Activation Configuration Tool (SACT). Refer to the ⟨Emphasis⟩ *ASAP System Administrator's Guide* ⟨Emphasis⟩ for more information. ⟨Para⟩

⟨Sect1⟩ ⟨Title⟩ **Extracting Source Files** ⟨Title⟩

⟨Para⟩ 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. ⟨Para⟩

⟨Para⟩ To extract source files: ⟨Para⟩

1. ⟨OrderedList⟩ ⟨ListItem⟩ ⟨Para⟩ If necessary, create a repository directory, copy the .sar file to the new directory and un-jar the sar file. ⟨Para⟩ ⟨ListItem⟩

2. ⟨ListItem⟩ ⟨Para⟩ After you un-jar the sar file, you can access the XML files. ⟨Para⟩ ⟨ListItem⟩ ⟨OrderedList⟩

⟨Sect2⟩ ⟨Title⟩ **Loading a New XML File** ⟨Title⟩

⟨Para⟩ When you finish modifying an XML file, you must create a new sar file, then restart the cartridge using the new file. ⟨Para⟩ ⟨Sect2⟩ ⟨Sect1⟩

⟨Sect1⟩ ⟨Title⟩ **Configuration XML File** ⟨Title⟩

⟨Para⟩ Below is an example of the Activation.Configuration.XML file for the SONUS_GSX9000_7_3_X cartridge. ⟨Para⟩

⟨InformalExample⟩ ⟨ProgramListing⟩ `<?xml version="1.0" encoding="UTF-8"?>` ⟨ProgramListing⟩ ⟨InformalExample⟩

⟨InformalExample⟩ ⟨ProgramListing⟩ `<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">
```

⟨*ProgramListing*⟩

⟨*InformalExample*⟩

⟨*InformalExample*⟩ ⟨*ProgramListing*⟩ `<connectionPool`

`name="GSX73XPL">` ⟨*ProgramListing*⟩ ⟨*InformalExample*⟩

⟨*InformalExample*⟩ ⟨*ProgramListing*⟩ `<device name="GSX73X_9000_`

`dev1">` ⟨*ProgramListing*⟩ ⟨*InformalExample*⟩

⟨*InformalExample*⟩ ⟨*ProgramListing*⟩

`<environment>DEVELOPMENT</environment>` ⟨*ProgramListing*⟩ ⟨*InformalExample*⟩

⟨*InformalExample*⟩ ⟨*ProgramListing*⟩ `<lineType>TELNET_`

`CONNECTION</lineType>` ⟨*ProgramListing*⟩ ⟨*InformalExample*⟩

⟨*InformalExample*⟩ ⟨*ProgramListing*⟩

`</device>` ⟨*ProgramListing*⟩ ⟨*InformalExample*⟩

⟨*InformalExample*⟩ ⟨*ProgramListing*⟩ `<device name="GSX73X_9000_`

`dev2">` ⟨*ProgramListing*⟩ ⟨*InformalExample*⟩

⟨*InformalExample*⟩ ⟨*ProgramListing*⟩

`<environment>DEVELOPMENT</environment>` ⟨*ProgramListing*⟩ ⟨*InformalExample*⟩

⟨*InformalExample*⟩ ⟨*ProgramListing*⟩ `<lineType>TELNET_`

`CONNECTION</lineType>` ⟨*ProgramListing*⟩ ⟨*InformalExample*⟩

⟨*InformalExample*⟩ ⟨*ProgramListing*⟩

`</device>` ⟨*ProgramListing*⟩ ⟨*InformalExample*⟩

⟨*InformalExample*⟩ ⟨*ProgramListing*⟩ `<device name="GSX73X_9000_`

`dev3">` ⟨*ProgramListing*⟩ ⟨*InformalExample*⟩

⟨*InformalExample*⟩ ⟨*ProgramListing*⟩

`<environment>DEVELOPMENT</environment>` ⟨*ProgramListing*⟩ ⟨*InformalExample*⟩

⟨*InformalExample*⟩ ⟨*ProgramListing*⟩ `<lineType>TELNET_`

`CONNECTION</lineType>` ⟨*ProgramListing*⟩ ⟨*InformalExample*⟩

⟨*InformalExample*⟩ ⟨*ProgramListing*⟩

`</device>` ⟨*ProgramListing*⟩ ⟨*InformalExample*⟩

⟨*InformalExample*⟩ ⟨*ProgramListing*⟩ `<device name="GSX73X_9000_`

`dev4">` ⟨*ProgramListing*⟩ ⟨*InformalExample*⟩

⟨*InformalExample*⟩ ⟨*ProgramListing*⟩

`<environment>DEVELOPMENT</environment>` ⟨*ProgramListing*⟩ ⟨*InformalExample*⟩

⟨*InformalExample*⟩ ⟨*ProgramListing*⟩ `<lineType>TELNET_`

```
CONNECTION</lineType>
```
〈 *ProgramListing* 〉 〈 *InformalExample*

 InformalExample 〉 *ProgramListing* 〉

```
</device>
```
〈 *ProgramListing* 〉 〈 *InformalExample*

 InformalExample 〉 *ProgramListing* 〉
```
                    <device name="GSX73X_9000_
dev5">
```
〈 *ProgramListing* 〉 〈 *InformalExample*

 InformalExample 〉 *ProgramListing* 〉

```
<environment>DEVELOPMENT</environment>
```
〈 *ProgramListing* 〉 〈 *InformalExample*

 InformalExample 〉 *ProgramListing* 〉
```
                        <lineType>TELNET_
CONNECTION</lineType>
```
〈 *ProgramListing* 〉 〈 *InformalExample*

 InformalExample 〉 *ProgramListing* 〉

```
</device>
```
〈 *ProgramListing* 〉 〈 *InformalExample*

 InformalExample 〉 *ProgramListing* 〉
```
                    <device name="GSX73X_9000_
dev6">
```
〈 *ProgramListing* 〉 〈 *InformalExample*

 InformalExample 〉 *ProgramListing* 〉

```
<environment>DEVELOPMENT</environment>
```
〈 *ProgramListing* 〉 〈 *InformalExample*

 InformalExample 〉 *ProgramListing* 〉
```
                        <lineType>TELNET_
CONNECTION</lineType>
```
〈 *ProgramListing* 〉 〈 *InformalExample*

 InformalExample 〉 *ProgramListing* 〉

```
</device>
```
〈 *ProgramListing* 〉 〈 *InformalExample*

 InformalExample 〉 *ProgramListing* 〉
```
                    <device name="GSX73X_9000_
dev7">
```
〈 *ProgramListing* 〉 〈 *InformalExample*

 InformalExample 〉 *ProgramListing* 〉

```
<environment>DEVELOPMENT</environment>
```
〈 *ProgramListing* 〉 〈 *InformalExample*

 InformalExample 〉 *ProgramListing* 〉
```
                        <lineType>TELNET_
CONNECTION</lineType>
```
〈 *ProgramListing* 〉 〈 *InformalExample*

 InformalExample 〉 *ProgramListing* 〉

```
</device>
```
〈 *ProgramListing* 〉 〈 *InformalExample*

 InformalExample 〉 *ProgramListing* 〉
```
                    <device name="GSX73X_9000_
dev8">
```
〈 *ProgramListing* 〉 〈 *InformalExample*

 InformalExample 〉 *ProgramListing* 〉

```
<environment>DEVELOPMENT</environment>
```
〈 *ProgramListing* 〉 〈 *InformalExample*

 InformalExample 〉 *ProgramListing* 〉
```
                        <lineType>TELNET_
CONNECTION</lineType>
```
〈 *ProgramListing* 〉 〈 *InformalExample*

 InformalExample 〉 *ProgramListing* 〉

```
</device>
```
〈 *ProgramListing* 〉 〈 *InformalExample*

 InformalExample 〉 *ProgramListing* 〉
```
                    <device name="GSX73X_9000_
dev9">
```
〈 *ProgramListing* 〉 〈 *InformalExample*

InformalExample ⟩ *ProgramListing* ⟩

`<environment>DEVELOPMENT</environment>` ⟨ *ProgramListing*   ⟨ *InformalExample*

InformalExample ⟩ *ProgramListing* ⟩   `<lineType>TELNET_`

`CONNECTION</lineType>` ⟨ *ProgramListing*   ⟨ *InformalExample*

InformalExample ⟩ *ProgramListing* ⟩

`</device>` ⟨ *ProgramListing*   ⟨ *InformalExample*

InformalExample ⟩ *ProgramListing* ⟩   `<device name="GSX73X_9000_`

`dev10">` ⟨ *ProgramListing*   ⟨ *InformalExample*

InformalExample ⟩ *ProgramListing* ⟩

`<environment>DEVELOPMENT</environment>` ⟨ *ProgramListing*   ⟨ *InformalExample*

InformalExample ⟩ *ProgramListing* ⟩   `<lineType>TELNET_`

`CONNECTION</lineType>` ⟨ *ProgramListing*   ⟨ *InformalExample*

InformalExample ⟩ *ProgramListing* ⟩

```
</value> ProgramListing InformalExample
InformalExample ProgramListing                 <description>Connection
timeout in seconds</description> ProgramListing InformalExample
InformalExample ProgramListing                 <lineType>TELNET_
CONNECTION</lineType> ProgramListing InformalExample
InformalExample ProgramListing
</communicationParameter> ProgramListing InformalExample
InformalExample ProgramListing
<communicationParameter> ProgramListing InformalExample
InformalExample ProgramListing                 <label>READ_
TIMEOUT</label> ProgramListing InformalExample
InformalExample ProgramListing
<value> ProgramListing InformalExample
InformalExample ProgramListing
<value>30</value> ProgramListing InformalExample
InformalExample ProgramListing
</value> ProgramListing InformalExample
InformalExample ProgramListing                 <description>Read timeout in
seconds</description> ProgramListing InformalExample
InformalExample ProgramListing                 <lineType>TELNET_
CONNECTION</lineType> ProgramListing InformalExample
InformalExample ProgramListing
</communicationParameter> ProgramListing InformalExample
InformalExample ProgramListing
<communicationParameter> ProgramListing InformalExample
InformalExample ProgramListing                 <label>HOST_LOGIN_
PROMPT</label> ProgramListing InformalExample
InformalExample ProgramListing
<value> ProgramListing InformalExample
InformalExample ProgramListing                      <value>Login
:</value> ProgramListing InformalExample
InformalExample ProgramListing
</value> ProgramListing InformalExample
InformalExample ProgramListing                 <description>Login prompt from
the NE, default value is login.</description> ProgramListing InformalExample
InformalExample ProgramListing                 <lineType>TELNET_
CONNECTION</lineType> ProgramListing InformalExample
```

InformalExample ⟩ *ProgramListing* ⟩

`</connectionPool>` ⟨ *ProgramListing*   ⟨ *InformalExample*

InformalExample ⟩ *ProgramListing* ⟩   `<element name="SONUS-GSX9000_7-3-X_`

`HOST">` ⟨ *ProgramListing*   ⟨ *InformalExample*

InformalExample ⟩ *ProgramListing* ⟩

`<vendor>SONUS</vendor>` ⟨ *ProgramListing*   ⟨ *InformalExample*

InformalExample ⟩ *ProgramListing* ⟩

`<technology>GSX9000</technology>` ⟨ *ProgramListing*   ⟨ *InformalExample*

InformalExample ⟩ *ProgramListing* ⟩

`<softwareLoad>7-3-X</softwareLoad>` ⟨ *ProgramListing*   ⟨ *InformalExample*

InformalExample ⟩ *ProgramListing* ⟩

`<nepServerName>$NEP</nepServerName>` ⟨ *ProgramListing*   ⟨ *InformalExample*

InformalExample ⟩ *ProgramListing* ⟩

`<primaryPool>GSX73XPL</primaryPool>` ⟨ *ProgramListing*   ⟨ *InformalExample*

InformalExample ⟩ *ProgramListing* ⟩

`<maximumConnections>10</maximumConnections>` ⟨ *ProgramListing*   ⟨ *InformalExample*

InformalExample ⟩ *ProgramListing* ⟩

`<dropTimeout>2</dropTimeout>` ⟨ *ProgramListing*   ⟨ *InformalExample*

InformalExample ⟩ *ProgramListing* ⟩

`<spawnThreshold>6</spawnThreshold>` ⟨ *ProgramListing*   ⟨ *InformalExample*

InformalExample ⟩ *ProgramListing* ⟩

`<killThreshold>3</killThreshold>` ⟨ *ProgramListing*   ⟨ *InformalExample*

InformalExample ⟩ *ProgramListing* ⟩   `<routingElement`

```
name="SONUS-GSX9000_7-3-X_HOST"/>
<communicationParameter>
            <label>HOST_
IPADDR</label>
<value>
<value>127.0.0.1</value>
</value>
            <description>Host IP
address</description>
            <lineType>TELNET_
CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
<label>PORT</label>
<value>
<value>8123</value>
</value>
            <description>Telnet Port used
by the switch</description>
            <lineType>TELNET_
CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
            <label>HOST_
USERID</label>
```

InformalExample *ProgramListing*

```
<value>
```
ProgramListing *InformalExample*

InformalExample *ProgramListing*
```
                              <value>sonus_
user</value>
```
ProgramListing *InformalExample*

InformalExample *ProgramListing*
```
</value>
```
ProgramListing *InformalExample*

InformalExample *ProgramListing*
```
                              <description>Login User
Name</description>
```
ProgramListing *InformalExample*

InformalExample *ProgramListing*
```
                              <lineType>TELNET_
CONNECTION</lineType>
```
ProgramListing *InformalExample*

InformalExample *ProgramListing*
```
</communicationParameter>
```
ProgramListing *InformalExample*

InformalExample *ProgramListing*
```
<communicationParameter>
```
ProgramListing *InformalExample*

InformalExample *ProgramListing*
```
                              <label>HOST_
PASSWORD</label>
```
ProgramListing *InformalExample*

InformalExample *ProgramListing*
```
<value>
```
ProgramListing *InformalExample*

InformalExample *ProgramListing*
```
                              <value>sonus_
password</value>
```
ProgramListing *InformalExample*

InformalExample *ProgramListing*
```
</value>
```
ProgramListing *InformalExample*

InformalExample *ProgramListing*
```
                              <description>Password for the
User</description>
```
ProgramListing *InformalExample*

InformalExample *ProgramListing*
```
                              <lineType>TELNET_
CONNECTION</lineType>
```
ProgramListing *InformalExample*

InformalExample *ProgramListing*
```
</communicationParameter>
```
ProgramListing *InformalExample*

InformalExample *ProgramListing*
```
<communicationParameter>
```
ProgramListing *InformalExample*

InformalExample *ProgramListing*
```
                              <label>OPEN_
TIMEOUT</label>
```
ProgramListing *InformalExample*

InformalExample *ProgramListing*
```
<value>
```
ProgramListing *InformalExample*

InformalExample *ProgramListing*
```
<value>20</value>
```
ProgramListing *InformalExample*

InformalExample *ProgramListing*

InformalExample › *ProgramListing* ›

</communicationParameter> ‹ *ProgramListing* ‹ *InformalExample*

InformalExample › *ProgramListing* ›

<communicationParameter> ‹ *ProgramListing* ‹ *InformalExample*

InformalExample › *ProgramListing* ›   <label>HOST_PASSWORD_

PROMPT</label> ‹ *ProgramListing* ‹ *InformalExample*

InformalExample › *ProgramListing* ›

<value> ‹ *ProgramListing* ‹ *InformalExample*

InformalExample › *ProgramListing* ›

<value>Password:</value> ‹ *ProgramListing* ‹ *InformalExample*

InformalExample › *ProgramListing* ›

</value> ‹ *ProgramListing* ‹ *InformalExample*

InformalExample › *ProgramListing* ›   <description>Password prompt

from the NE, default value is

Password</description> ‹ *ProgramListing* ‹ *InformalExample*

InformalExample › *ProgramListing* ›   <lineType>TELNET_

CONNECTION</lineType> ‹ *ProgramListing* ‹ *InformalExample*

InformalExample › *ProgramListing* ›

</communicationParameter> ‹ *ProgramListing* ‹ *InformalExample*

InformalExample › *ProgramListing* ›

<communicationParameter> ‹ *ProgramListing* ‹ *InformalExample*

InformalExample › *ProgramListing* ›

<label>PROMPT</label> ‹ *ProgramListing* ‹ *InformalExample*

InformalExample › *ProgramListing* ›

<value> ‹ *ProgramListing* ‹ *InformalExample*

InformalExample › *ProgramListing* ›

‹ *ProgramListing* ‹ *InformalExample*

InformalExample › *ProgramListing* ›

</value> ‹ *ProgramListing* ‹ *InformalExample*

InformalExample › *ProgramListing* ›   <description>Provisioning

prompt</description> ‹ *ProgramListing* ‹ *InformalExample*

InformalExample › *ProgramListing* ›   <lineType>TELNET_

CONNECTION</lineType> ‹ *ProgramListing* ‹ *InformalExample*

InformalExample › *ProgramListing* ›

</communicationParameter> ‹ *ProgramListing* ‹ *InformalExample*

InformalExample › *ProgramListing* ›

<communicationParameter> ‹ *ProgramListing* ‹ *InformalExample*

InformalExample ProgramListing

```
<label>RESPONSELOG</label>
```
ProgramListing InformalExample

InformalExample ProgramListing

```
<value>
```
ProgramListing InformalExample

InformalExample ProgramListing

```
<value>true</value>
```
ProgramListing InformalExample

InformalExample ProgramListing

```
</value>
```
ProgramListing InformalExample

InformalExample ProgramListing

```
            <description>Flag to turn off
or on Response log</description>
```
ProgramListing InformalExample

InformalExample ProgramListing

```
            <lineType>TELNET_
CONNECTION</lineType>
```
ProgramListing InformalExample

InformalExample ProgramListing

```
</communicationParameter>
```
ProgramListing InformalExample

InformalExample ProgramListing

```
<communicationParameter>
```
ProgramListing InformalExample

InformalExample ProgramListing

```
            <label>LOGIN_
SLEEP</label>
```
ProgramListing InformalExample

InformalExample ProgramListing

```
<value>
```
ProgramListing InformalExample

InformalExample ProgramListing

```
<value>2</value>
```
ProgramListing InformalExample

InformalExample ProgramListing

```
</value>
```
ProgramListing InformalExample

InformalExample ProgramListing

```
            <description>Sleep in seconds
during login to EMS/GSX before getting
prompt</description>
```
ProgramListing InformalExample

InformalExample ProgramListing

```
            <lineType>TELNET_
CONNECTION</lineType>
```
ProgramListing InformalExample

InformalExample ProgramListing

```
</communicationParameter>
```
ProgramListing InformalExample

InformalExample ProgramListing

```
<communicationParameter>
```
ProgramListing InformalExample

InformalExample ProgramListing

```
            <label>CUSTOM_GSX_
LOGIN</label>
```
ProgramListing InformalExample

InformalExample ProgramListing

```
<value>
```
ProgramListing InformalExample

InformalExample ⟩ *ProgramListing* ⟩

`<value>false</value>` ⟨ **ProgramListing** ⟨ *InformalExample*

InformalExample ⟩ *ProgramListing* ⟩

`</value>` ⟨ **ProgramListing** ⟨ *InformalExample*

InformalExample ⟩ *ProgramListing* ⟩ `<description>Set to true when`

`HOST_CLII and MCLI use same name and HOST_CLLI has only one`

`MCLI.</description>` ⟨ **ProgramListing** ⟨ *InformalExample*

InformalExample ⟩ *ProgramListing* ⟩ `<lineType>TELNET_`

`CONNECTION</lineType>` ⟨ **ProgramListing** ⟨ *InformalExample*

InformalExample ⟩ *ProgramListing* ⟩

`</communicationParameter>` ⟨ **ProgramListing** ⟨ *InformalExample*

InformalExample ⟩ *ProgramListing* ⟩

`</element>` ⟨ **ProgramListing** ⟨ *InformalExample*

InformalExample ⟩ *ProgramListing* ⟩ `</activationConfig>` ⟨ **ProgramListing**

⟨ *InformalExample* ⟨ *Sect1* ⟨ *Chapter*