Oracle® Communications ASAP Cartridge 1.0 for Nortel CS2K ISN09 SIP SERVICES Cartridge

Nortel CS2K ISN09 SIP SERVICES Cartridge Guide

First Edition

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ORACLE®

Nortel CS2K ISN09 SIP SERVICES Cartridge Guide, First Edition

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Cartridge Overview

This guide provides a detailed description of the NORTEL_CS2K_ISN09_SIP_SERVICES 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 NORTEL_CS2K_ISN09_SIP_SERVICES cartridge provides the ASAP service configuration and network element (NE) interface to activate subscriber services on CS2K_SIP and CS2K_LNP NEs.

Hardware and Software Requirements

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

- NE Interface
- ASAP Version

NE Interface

The following database tables in Service Activation Request Manager (SARM) are configured to support the NE configuration:

- tbl_host_clli
- tbl_clli_route
- tbl_comm_param
- tbl_resource_pool
- tbl_ne_config

ASAP Version

This cartridge was developed and tested using ASAP version 7.0.2.

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

Connecting to the NE

The cartridge uses Telnet/SSH protocol.

Services, Features, and Options

This cartridge supports the following services:

Table 1–1   Supported Services

Service	Description
C_NT-CS2K_ISN09_ADD_SIP-3WC	This option allows the subscriber on the assigned line to place a call on hold. When the call is on hold, the subscriber can set up a request call to another subscriber.
C_NT-CS2K_ISN09_DEL_SIP-3WC	This option allows the subscriber on the assigned line to place a call on hold. When the call is on hold, the subscriber can set up a request call to another subscriber. This CSDL command remove this option from the assigned line.
C_NT-CS2K_ISN09_ADD_SIP-ACB	ACB allows to call the last station the subscriber called. If the line is busy, ACB monitors the line until it becomes idle and accepts the call.
C_NT-CS2K_ISN09_DEL_SIP-ACB	ACB allows to call the last station the subscriber called. If the line is busy, ACB monitors the line until it becomes idle and accepts the call. This CSDL command remove this option from the assigned line.
C_NT-CS2K_ISN09_MOD_SIP-ACB	ACB allows to call the last station the subscriber called. If the line is busy, ACB monitors the line until it becomes idle and accepts the call.
C_NT-CS2K_ISN09_ADD_SIP-ACRJ	The Anonymous Caller Rejection (ACRJ) option allows a subscriber to reject incoming calls from callers who block their names or directory numbers (DN).
C_NT-CS2K_ISN09_DEL_SIP-ACRJ	The Anonymous Caller Rejection (ACRJ) option allows a subscriber to reject incoming calls from callers who block their names or directory numbers (DN). This CSDL command remove this option from the assigned line.
C_NT-CS2K_ISN09_MOD_SIP-ACRJ	The Anonymous Caller Rejection (ACRJ) option allows a subscriber to reject incoming calls from callers who block their names or directory numbers (DN).
C_NT-CS2K_ISN09_ADD_SIP-AUL	The automatic line (AUL) option connects to a set location when a directory number (DN) or an assigned AUL option line reports an off-hook.
C_NT-CS2K_ISN09_DEL_SIP-AUL	The automatic line (AUL) option connects to a set location when a directory number (DN) or an assigned AUL option line reports an off-hook. This CSDL command remove this option from the assigned line.

Table 1–1   (Cont.) Supported Services

Service	Description
C_NT-CS2K_ISN09_MOD_SIP-AUL	The automatic line (AUL) option connects to a set location when a directory number (DN) or an assigned AUL option line reports an off-hook. This CSDL command changes the option parameters of the assigned line.
C_NT-CS2K_ISN09_ADD_SIP-CBU	The CBU option allows Call Forwarding Busy calls to forward to remote stations outside and inside the customer group.
C_NT-CS2K_ISN09_DEL_SIP-CBU	The CBU option allows Call Forwarding Busy calls to forward to remote stations outside and inside the customer group.
C_NT-CS2K_ISN09_ADD_SIP-CCW	The Cancel Call Waiting (CCW) option allows Call Waiting (CWT) subscribers to turn off the CWT option.
C_NT-CS2K_ISN09_DEL_SIP-CCW	The Cancel Call Waiting (CCW) option allows Call Waiting (CWT) subscribers to turn off the CWT option. This ASDL command remove this option from the assigned line.
C_NT-CS2K_ISN09_ADD_SIP-CDU	The CDU option allows the system to forward all calls that are not answered to a remote station that is ouside or inside customer group.
C_NT-CS2K_ISN09_DEL_SIP-CDU	The CDU option allows the system to forward all calls that are not answered to a remote station that is ouside or inside customer group.
C_NT-CS2K_ISN09_ADD_SIP-CFB	The CFB option allows the subscriber to specify a directory number (DN).
C_NT-CS2K_ISN09_DEL_SIP-CFB	The CFB option allows the subscriber to specify a directory number (DN). This CSDL command remove this option from the assigned line.
C_NT-CS2K_ISN09_MOD_SIP-CFB	The CFB option allows the subscriber to specify a directory number (DN).
C_NT-CS2K_ISN09_ADD_SIP-CFD	The Call Forwarding Do Not Answer (CFD) Business option forwards calls not answered to stations in the same customer group.
C_NT-CS2K_ISN09_DEL_SIP-CFD	The Call Forwarding Do Not Answer (CFD) Business option forwards calls not answered to stations in the same customer group. This CSDL command remove this option from the assigned line.
C_NT-CS2K_ISN09_MOD_SIP-CFD	The Call Forwarding Do Not Answer (CFD) Business option forwards calls not answered to stations in the same customer group.
C_NT-CS2K_ISN09_ADD_SIP-CFDVT	The Call Forwarding Do Not Answer Variable Timer (CFDVT) option allowsan end-user to specify how long a call rings before the system forwards the call to another station.
C_NT-CS2K_ISN09_DEL_SIP-CFDVT	The Call Forwarding Do Not Answer Variable Timer (CFDVT) option allowsan end-user to specify how long a call rings before the system forwards the call to another station.

Table 1–1   (Cont.) Supported Services

Service	Description
C_NT-CS2K_ISN09_MOD_SIP-CFDVT	The Call Forwarding Do Not Answer Variable Timer (CFDVT) option allowsan end-user to specify how long a call rings before the system forwards the call to another station.
C_NT-CS2K_ISN09_ADD_SIP-CFU	The CFU option allows a station user to reroute incoming calls to another telephone number. This number can be in the MDC customer group, the local calling area, or a foreign exchange. The user can also forward the call to an attendant.
C_NT-CS2K_ISN09_DEL_SIP-CFU	The CFU option allows a station user to reroute incoming calls to another telephone number. This number can be in the MDC customer group, the local calling area, or a foreign exchange. The user can also forward the call to an attendant.
C_NT-CS2K_ISN09_MOD_SIP-CFU	The CFU option allows a station user to reroute incoming calls to another telephone number. This number can be in the MDC customer group, the local calling area, or a foreign exchange. The user can also forward the call to an attendant.
C_NT-CS2K_ISN09_ADD_SIP-CLF	The Calling Line Identification with Flash (CLF) option allows a subscriber to hold an incoming call in the switch.
C_NT-CS2K_ISN09_DEL_SIP-CLF	The Calling Line Identification with Flash (CLF) option allows a subscriber to hold an incoming call in the switch. This CSDL command remove this option from the assigned line.
C_NT-CS2K_ISN09_ADD_SIP-CLI	Local and toll calls can stop on the line of the subscriber. If the calls stop, the Calling Line Identification (CLI) option records the following information on the DMS log syste.
C_NT-CS2K_ISN09_DEL_SIP-CLI	Local and toll calls can stop on the line of the subscriber. If the calls stop, the Calling Line Identification (CLI) option records the following information on the DMS log system.This CSDL command remove this option from the assigned line.
C_NT-CS2K_ISN09_ADD_SIP-CND	The Calling Number Delivery (CND) option displays the directory number (DN) of the calling party. The CND also displays the time and date of the call. The billing option is enabled.
C_NT-CS2K_ISN09_DEL_SIP-CND	The Calling Number Delivery (CND) option displays the directory number (DN) of the calling party. The CND also displays the time and date of the call.This CSDL command remove this option from the assigned line. Billing option enabled.
C_NT-CS2K_ISN09_ADD_SIP-CNDB	The Calling Number Delivery Blocking (CNDB) option blocks the delivery of the calling number.

Table 1–1   (Cont.) Supported Services

Service	Description
C_NT-CS2K_ISN09_DEL_SIP-CNDB	The Calling Number Delivery Blocking (CNDB) option blocks the delivery of the calling number.This CSDL command remove this option from the assigned line.
C_NT-CS2K_ISN09_MOD_SIP-CUSTGRP	The CHG command changes CUST.
C_NT-CS2K_ISN09_ADD_SIP-CWI	The Call Waiting Intragroup (CWI) option allows a subscriber to apply the CWT option to intragroup calls, in addition to those allowed with CWT
C_NT-CS2K_ISN09_DEL_SIP-CWI	The Call Waiting Intragroup (CWI) option allows a subscriber to apply the CWT option to intragroup calls, in addition to those allowed with CWT
C_NT-CS2K_ISN09_ADD_SIP-CWT	The CallWaiting (CWT) option allows the system to alert a busy station when an incoming call attempts to reach the directory number (DN).
C_NT-CS2K_ISN09_DEL_SIP-CWT	The CallWaiting (CWT) option allows the system to alert a busy station when an incoming call attempts to reach the directory number (DN). This CSDL command remove this option from the assigned line.
C_NT-CS2K_ISN09_ADD_SIP-DDN	The DDN option allows the customer premises equipment (CPE) to display incoming calling name, number, and the time and date of the call. The CPE displays the number of the calling party in a design that the called party can dial to return the call.
C_NT-CS2K_ISN09_DEL_SIP-DDN	The DDN option allows the customer premises equipment (CPE) to display incoming calling name, number, and the time and date of the call. The CPE displays the number of the calling party in a design that the called party can dial to return the call.
C_NT-CS2K_ISN09_ADD_SIP-DGT	The DGT option allows a telephone set to generate an address in the form of dual-tone multi-frequency signals.
C_NT-CS2K_ISN09_DEL_SIP-DGT	The DGT option allows a telephone set to generate an address in the form of dual-tone multi-frequency signals. This CSDL command remove this option from the assigned line.
C_NT-CS2K_ISN09_MOD_SIP-DN	The CDN command changes directory numbers (DN).
C_NT-CS2K_ISN09_QRY_SIP-DN	Retrieves information about the system and services associated with wireline or wireless subscriber, based on the directory number (DN).
C_NT-CS2K_ISN09_ADD_SIP-DNH	The Directory Number Hunt (DNH) option allows directory number hunting. Each line in the hunt group has a directory number (DN).

Table 1–1   (Cont.) Supported Services

Service	Description
C_NT-CS2K_ISN09_DEL_SIP-DNH	The Directory Number Hunt (DNH) option allows directory number hunting. Each line in the hunt group has a directory number (DN). This CSDL command remove this option from the assigned line.
C_NT-CS2K_ISN09_MOD_SIP-DNH	The Directory Number Hunt (DNH) option allows directory number hunting. Each line in the hunt group has a directory number (DN).
C_NT-CS2K_ISN09_MOD_SIP-DPL	DPL is the flag for a dynamic packet line. It includes the maximum number of simultaneous sessions allowed for the subscriber. This data is proxied to the CS2000 Core and is visible as read-only data in table IBNFEAT.
C_NT-CS2K_ISN09_ADD_SIP-FEATURES	Adds options to assigned single-line and multiline telephone sets, to hunt group lines, and to proprietary business sets.
C_NT-CS2K_ISN09_CHG_SIP-FEATURES	Change options to assigned single-line and multiline telephone sets, to hunt group lines, and to proprietary business sets using CHF action. This CSDL command changes the option parameters of the assigned line.
C_NT-CS2K_ISN09_DEL_SIP-FEATURES	Delete options to assigned single-line and multiline telephone sets, to hunt group lines, and to proprietary business sets.
C_NT-CS2K_ISN09_QRY_SIP-LEN	Command QLEN generates a printout of line data related to a specified line equipment number (LEN) or directory number (DN).
C_NT-CS2K_ISN09_ADD_SIP-LNR	The LNR option allows a subscriber to redial the last number dialed. The subscriber uses a single key instead of the full number to redial the last number dialed.
C_NT-CS2K_ISN09_DEL_SIP-LNR	The LNR option allows a subscriber to redial the last number dialed. The subscriber uses a single key instead of the full number to redial the last number dialed.
C_NT-CS2K_ISN09_ADD_SIP-MWT	The MWT option allows a message center to inform a user that there is a message.
C_NT-CS2K_ISN09_DEL_SIP-MWT	The MWT option allows a message center to inform a user that there is a message. This CSDL command remove this option from the assigned line.
C_NT-CS2K_ISN09_MOD_SIP-MWT	The MWT option allows a message center to inform a user that there is a message.
C_NT-CS2K_ISN09_MOD_SIP-NCOS	The CHG command changes NCOS.
C_NT-CS2K_ISN09_ADD_SIP-RAG	The RAG option allows a station user encountering a busy directory number (DN) to be notified when the busy station becomes idle and the system automatically redials the same number.

Table 1–1   (Cont.) Supported Services

Service	Description
C_NT-CS2K_ISN09_DEL_SIP-RAG	The RAG option allows a station user encountering a busy directory number (DN) to be notified when the busy station becomes idle and the system automatically redials the same number.
C_NT-CS2K_ISN09_ADD_SIP-SCF	The SCF option allows calls that terminate on the line to be forwarded to a remote destination if the number of the originating station matches one of the numbers in the SCF list.
C_NT-CS2K_ISN09_DEL_SIP-SCF	The SCF option allows calls that terminate on the line to be forwarded to a remote destination if the number of the originating station matches one of the numbers in the SCF list. This CSDL command remove this option from the assigned line.
C_NT-CS2K_ISN09_MOD_SIP-SCF	The SCF option allows calls that terminate on the line to be forwarded to a remote destination if the number of the originating station matches one of the numbers in the SCF list.
C_NT-CS2K_ISN09_ADD_SIP-SCRJ	The SCRJ option allows a subscriber to selectively reject calls arriving from a limited set of previously identified DNs.
C_NT-CS2K_ISN09_DEL_SIP-SCRJ	The SCRJ option allows a subscriber to selectively reject calls arriving from a limited set of previously identified DNs. This CSDL command remove this option from the assigned line.
C_NT-CS2K_ISN09_MOD_SIP-SCRJ	The SCRJ option allows a subscriber to selectively reject calls arriving from a limited set of previously identified DNs.
C_NT-CS2K_ISN09_ADD_SIP-SCS	The SCS option allows a customer to specify a list of frequently callednumbers that the customer can call by dialing a one-digit speed calling code instead of the complete number.
C_NT-CS2K_ISN09_DEL_SIP-SCS	The SCS option allows a customer to specify a list of frequently callednumbers that the customer can call by dialing a one-digit speed calling code instead of the complete number. This CSDL command remove this option from the assigned line.
C_NT-CS2K_ISN09_ADD_SIP-SUBSCRIBER	Establishes service for single-SUBSCRIBER and multiline telephone sets that are not assigned.
C_NT-CS2K_ISN09_DEL_SIP-SUBSCRIBER	Removes service from single-SUBSCRIBER and multiline telephone set directory numbers (DN) and line equipment numbers (LEN).
C_NT-CS2K_ISN09_MOD_SIP-SUBSCRIBER	Modifies service from single-SUBSCRIBER and multiline telephone set directory numbers (DN) and line equipment numbers (LEN).

Table 1–1   (Cont.) Supported Services

Service	Description
C_NT-CS2K_ISN09_ADD_SIP-SUPPRESS	The SUPPRESS option allows a party to stop directory number (DN) or name from being displayed at call destination. This CSDL command remove this option from the assigned line.
C_NT-CS2K_ISN09_DEL_SIP-SUPPRESS	The SUPPRESS option allows a party to stop directory number (DN) or name from being displayed at call destination. This CSDL command remove this option from the assigned line.
C_NT-CS2K_ISN09_MOD_SIP-SUPPRESS	The SUPPRESS option allows a party to stop directory number (DN) or name from being displayed at call destination. This CSDL command remove this option from the assigned line.
C_NT-CS2K_ISN09_ADD_SIP-TABLE-DNSCRN	Adds an entry in Table DNSCRN.
C_NT-CS2K_ISN09_DEL_SIP-TABLE-DNSCRN	Deletes an entry in Table DNSCRN.
C_NT-CS2K_ISN09_MOD_SIP-TABLE-DNSCRN	Modifies an entry in Table DNSCRN.
C_NT-CS2K_ISN09_QRY_SIP-TABLE-DNSCRN	Queries an entry in Table DNSCRN.
C_NT-CS2K_ISN09_ADD_SIP-TABLE-PNSCRN	Adds an entry in Table PNSCRN.
C_NT-CS2K_ISN09_DEL_SIP-TABLE-PNSCRN	Deletes an entry in Table PNSCRN.
C_NT-CS2K_ISN09_MOD_SIP-TABLE-PNSCRN	Modifies an entry in Table PNSCRN.
C_NT-CS2K_ISN09_QRY_SIP-TABLE-PNSCRN	Queries an entry in Table PNSCRN.
C_NT-CS2K_ISN09_ADD_SIP-WML	The WML option is assigned to lines that route to a predefined DN if no digits are dialed within a modifiable time-out period.
C_NT-CS2K_ISN09_DEL_SIP-WML	The WML option is assigned to lines that route to a predefined DN if no digits are dialed within a modifiable time-out period. This CSDL command remove this option from the assigned line.
C_NT-CS2K_ISN09_MOD_SIP-WML	The WML option is assigned to lines that route to a predefined DN if no digits are dialed within a modifiable time-out period.
C_NT-CS2K_ISN09_ADD_SIP-WUC	The WUC option allows a subscriber to set a reminder time for the phone to ring.
C_NT-CS2K_ISN09_DEL_SIP-WUC	The WUC option allows a subscriber to set a reminder time for the phone to ring. This CSDL command remove this option from the assigned line.
C_NT-CS2K_ISN09_ADD_SIP-WUCR	The WUC option allows a subscriber to set a reminder time for the phone to ring.
C_NT-CS2K_ISN09_DEL_SIP-WUCR	The WUCR option allows a subscriber to set a reminder time for the phone to ring. This CSDL command remove this option from the assigned line.

Communication Parameters

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

Table 1–2   Communication Parameters

Parameter Label	Parameter Value	Description
HOST_IPADDR	127.0.0.1	The IP Address for the remote OSSAGATE host
PORT	10023	Port number to connect on remote OSSGATE host
OPEN_TIMEOUT	5	Connection timeout (seconds)
READ_TIMEOUT	5	Read timeout (seconds)
HOST_USERID	sam	OSSGATE User ID to login
HOST_PASSWORD	sam	OSSGATE Password to login
PROMPT	>	Interface prompt
LOGIN_PROMPT	Enter User Name	Host User Prompt
PASSWORD_PROMPT	Enter Password	Host Password Prompt
IS_COMMIT	Y	CS2K Save Provisioning Mode
MAX_NUM_CHAR_LINE	75	Max character number per command line
SSH_SUPPORT	YES	SSH Flag to indicate if the SSH is supported or not. Value YES or NO
SSH_PORT	22	The SSH port number. Default is 22
SSH_VERSION	SSH2	The SSH version, SSH1 or SSH2. Default is SSH2
SSH_AUTH_METHOD	PASSWORD	The SSH authentication method PASSWORD or PUBLIC_KEY. Default is PASSWORD
SSH_PREF_PUBLIC_KEY	PUBLIC_KEY_SSHRSA	The SSH preferred public key. PUBLIC_KEY_ SSHDSS or PUBLIC_KEY_SSHRSA. Default is PUBLIC_KEY_SSHRSA
SSH_PREF_CIPHER_CS	CIPHER_BLOWFISH_ CBC	The SSH preferred CS cliper.
SSH_PREF_CIPHER_SC	CIPHER_BLOWFISH_ CBC	The SSH preferred SC cliper.
SSH_PREF_MAC_CS	HMAC_MD5	The SSH preferred CS message authentication
SSH_PREF_MAC_SC	HMAC_MD5	The SSH preferred SC message authentication
SSH_PREF_COMP_CS	COMPRESSION_ NONE	The SSH preferred CS compression
SSH_PREF_COMP_SC	COMPRESSION_ NONE	The SSH preferred SC compression
LNP_LOGIN	Y	If a cartridge is using LNP commands then set flag to Y
CHANGE_PASSWD_CMD	PASSWORD	LNP change password command
CHANGE_PASSWD_NEW_ PROMPT	Enter new password	Enter new password prompt

Table 1–2   (Cont.) Communication Parameters

Parameter Label	Parameter Value	Description
CHANGE_PASSWD_NEW_AGAIN_ PROMPT	Please enter new p	LNP re-enter new password prompt
CHANGE_PASSWD_ORIG_ PROMPT	PASSWORD: Enter	LNP enter original password prompt
CHANGE_PASSWD_DONE_ PROMPT	PASSWORD	End of password change command
PASSWORD_THRESHOLD_DAYS	-1	Days before password needs to be changed since last update

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_NT-CS2K_ISN09_ADD_SIP-3WC
- A_NT-CS2K_ISN09_ADD_SIP-3WC-RB
- A_NT-CS2K_ISN09_ADD_SIP-ACB
- A_NT-CS2K_ISN09_ADD_SIP-ACB-RB
- A_NT-CS2K_ISN09_ADD_SIP-ACRJ
- A_NT-CS2K_ISN09_ADD_SIP-ACRJ-RB
- A_NT-CS2K_ISN09_ADD_SIP-AUL
- A_NT-CS2K_ISN09_ADD_SIP-AUL-RB
- A_NT-CS2K_ISN09_ADD_SIP-CBU
- A_NT-CS2K_ISN09_ADD_SIP-CBU-RB
- A_NT-CS2K_ISN09_ADD_SIP-CCW
- A_NT-CS2K_ISN09_ADD_SIP-CCW-RB
- A_NT-CS2K_ISN09_ADD_SIP-CDU
- A_NT-CS2K_ISN09_ADD_SIP-CDU-RB
- A_NT-CS2K_ISN09_ADD_SIP-CFB
- A_NT-CS2K_ISN09_ADD_SIP-CFB-RB
- A_NT-CS2K_ISN09_ADD_SIP-CFD
- A_NT-CS2K_ISN09_ADD_SIP-CFD-RB
- A_NT-CS2K_ISN09_ADD_SIP-CFDVT
- A_NT-CS2K_ISN09_ADD_SIP-CFDVT-RB
- A_NT-CS2K_ISN09_ADD_SIP-CFU
- A_NT-CS2K_ISN09_ADD_SIP-CFU-RB
- A_NT-CS2K_ISN09_ADD_SIP-CLF

- A_NT-CS2K_ISN09_ADD_SIP-CLF-RB
- A_NT-CS2K_ISN09_ADD_SIP-CLI
- A_NT-CS2K_ISN09_ADD_SIP-CLI-RB
- A_NT-CS2K_ISN09_ADD_SIP-CND
- A_NT-CS2K_ISN09_ADD_SIP-CND-RB
- A_NT-CS2K_ISN09_ADD_SIP-CNDB
- A_NT-CS2K_ISN09_ADD_SIP-CNDB-RB
- A_NT-CS2K_ISN09_ADD_SIP-CWI
- A_NT-CS2K_ISN09_ADD_SIP-CWI-RB
- A_NT-CS2K_ISN09_ADD_SIP-CWT
- A_NT-CS2K_ISN09_ADD_SIP-CWT-RB
- A_NT-CS2K_ISN09_ADD_SIP-DDN
- A_NT-CS2K_ISN09_ADD_SIP-DDN-RB
- A_NT-CS2K_ISN09_ADD_SIP-DGT
- A_NT-CS2K_ISN09_ADD_SIP-DGT-RB
- A_NT-CS2K_ISN09_ADD_SIP-DNH
- A_NT-CS2K_ISN09_ADD_SIP-DNH-RB
- A_NT-CS2K_ISN09_ADD_SIP-FEATURES
- A_NT-CS2K_ISN09_ADD_SIP-FEATURES-RB
- A_NT-CS2K_ISN09_ADD_SIP-LNR
- A_NT-CS2K_ISN09_ADD_SIP-LNR-RB
- A_NT-CS2K_ISN09_ADD_SIP-MWT
- A_NT-CS2K_ISN09_ADD_SIP-MWT-RB
- A_NT-CS2K_ISN09_ADD_SIP-RAG
- A_NT-CS2K_ISN09_ADD_SIP-RAG-RB
- A_NT-CS2K_ISN09_ADD_SIP-SCF
- A_NT-CS2K_ISN09_ADD_SIP-SCF-RB
- A_NT-CS2K_ISN09_ADD_SIP-SCRJ
- A_NT-CS2K_ISN09_ADD_SIP-SCRJ-RB
- A_NT-CS2K_ISN09_ADD_SIP-SCS
- A_NT-CS2K_ISN09_ADD_SIP-SCS-RB
- A_NT-CS2K_ISN09_ADD_SIP-SUBSCRIBER
- A_NT-CS2K_ISN09_ADD_SIP-SUBSCRIBER-RB
- A_NT-CS2K_ISN09_ADD_SIP-SUPPRESS
- A_NT-CS2K_ISN09_ADD_SIP-SUPPRESS-RB
- A_NT-CS2K_ISN09_ADD_SIP-TABLE-DNSCRN
- A_NT-CS2K_ISN09_ADD_SIP-TABLE-DNSCRN-RB

- A_NT-CS2K_ISN09_ADD_SIP-TABLE-PNSCRN
- A_NT-CS2K_ISN09_ADD_SIP-TABLE-PNSCRN-RB
- A_NT-CS2K_ISN09_ADD_SIP-WML
- A_NT-CS2K_ISN09_ADD_SIP-WML-RB
- A_NT-CS2K_ISN09_ADD_SIP-WUC
- A_NT-CS2K_ISN09_ADD_SIP-WUC-RB
- A_NT-CS2K_ISN09_ADD_SIP-WUCR
- A_NT-CS2K_ISN09_ADD_SIP-WUCR-RB
- A_NT-CS2K_ISN09_CHG_SIP-FEATURES
- A_NT-CS2K_ISN09_CHG_SIP-FEATURES-RB
- A_NT-CS2K_ISN09_DEL_SIP-3WC
- A_NT-CS2K_ISN09_DEL_SIP-ACB
- A_NT-CS2K_ISN09_DEL_SIP-ACRJ
- A_NT-CS2K_ISN09_DEL_SIP-AUL
- A_NT-CS2K_ISN09_DEL_SIP-CBU
- A_NT-CS2K_ISN09_DEL_SIP-CCW
- A_NT-CS2K_ISN09_DEL_SIP-CDU
- A_NT-CS2K_ISN09_DEL_SIP-CFB
- A_NT-CS2K_ISN09_DEL_SIP-CFD
- A_NT-CS2K_ISN09_DEL_SIP-CFDVT
- A_NT-CS2K_ISN09_DEL_SIP-CFU
- A_NT-CS2K_ISN09_DEL_SIP-CLF
- A_NT-CS2K_ISN09_DEL_SIP-CLI
- A_NT-CS2K_ISN09_DEL_SIP-CND
- A_NT-CS2K_ISN09_DEL_SIP-CNDB
- A_NT-CS2K_ISN09_DEL_SIP-CWI
- A_NT-CS2K_ISN09_DEL_SIP-CWT
- A_NT-CS2K_ISN09_DEL_SIP-DDN
- A_NT-CS2K_ISN09_DEL_SIP-DGT
- A_NT-CS2K_ISN09_DEL_SIP-DNH
- A_NT-CS2K_ISN09_DEL_SIP-FEATURES
- A_NT-CS2K_ISN09_DEL_SIP-LNR
- A_NT-CS2K_ISN09_DEL_SIP-MWT
- A_NT-CS2K_ISN09_DEL_SIP-RAG
- A_NT-CS2K_ISN09_DEL_SIP-SCF
- A_NT-CS2K_ISN09_DEL_SIP-SCRJ
- A_NT-CS2K_ISN09_DEL_SIP-SCS

- A_NT-CS2K_ISN09_DEL_SIP-SUBSCRIBER
- A_NT-CS2K_ISN09_DEL_SIP-SUPPRESS
- A_NT-CS2K_ISN09_DEL_SIP-TABLE-DNSCRN
- A_NT-CS2K_ISN09_DEL_SIP-TABLE-PNSCRN
- A_NT-CS2K_ISN09_DEL_SIP-WML
- A_NT-CS2K_ISN09_DEL_SIP-WUC
- A_NT-CS2K_ISN09_DEL_SIP-WUCR
- A_NT-CS2K_ISN09_MOD_SIP-ACB
- A_NT-CS2K_ISN09_MOD_SIP-ACB-RB
- A_NT-CS2K_ISN09_MOD_SIP-ACRJ
- A_NT-CS2K_ISN09_MOD_SIP-ACRJ-RB
- A_NT-CS2K_ISN09_MOD_SIP-AUL
- A_NT-CS2K_ISN09_MOD_SIP-AUL-RB
- A_NT-CS2K_ISN09_MOD_SIP-CFB
- A_NT-CS2K_ISN09_MOD_SIP-CFB-RB
- A_NT-CS2K_ISN09_MOD_SIP-CFD
- A_NT-CS2K_ISN09_MOD_SIP-CFD-RB
- A_NT-CS2K_ISN09_MOD_SIP-CFDVT
- A_NT-CS2K_ISN09_MOD_SIP-CFDVT-RB
- A_NT-CS2K_ISN09_MOD_SIP-CFU
- A_NT-CS2K_ISN09_MOD_SIP-CFU-RB
- A_NT-CS2K_ISN09_MOD_SIP-CUSTGRP
- A_NT-CS2K_ISN09_MOD_SIP-CUSTGRP-RB
- A_NT-CS2K_ISN09_MOD_SIP-DN
- A_NT-CS2K_ISN09_MOD_SIP-DN-RB
- A_NT-CS2K_ISN09_MOD_SIP-DNH
- A_NT-CS2K_ISN09_MOD_SIP-DNH-RB
- A_NT-CS2K_ISN09_MOD_SIP-DPL
- A_NT-CS2K_ISN09_MOD_SIP-DPL-RB
- A_NT-CS2K_ISN09_MOD_SIP-MWT
- A_NT-CS2K_ISN09_MOD_SIP-MWT-RB
- A_NT-CS2K_ISN09_MOD_SIP-NCOS
- A_NT-CS2K_ISN09_MOD_SIP-NCOS-RB
- A_NT-CS2K_ISN09_MOD_SIP-SCF
- A_NT-CS2K_ISN09_MOD_SIP-SCF-RB
- A_NT-CS2K_ISN09_MOD_SIP-SCRJ
- A_NT-CS2K_ISN09_MOD_SIP-SCRJ-RB

- A_NT-CS2K_ISN09_MOD_SIP-SUBSCRIBER

- A_NT-CS2K_ISN09_MOD_SIP-SUBSCRIBER-RB

- A_NT-CS2K_ISN09_MOD_SIP-SUPPRESS

- A_NT-CS2K_ISN09_MOD_SIP-SUPPRESS-RB

- A_NT-CS2K_ISN09_MOD_SIP-TABLE-DNSCRN

- A_NT-CS2K_ISN09_MOD_SIP-TABLE-DNSCRN-RB

- A_NT-CS2K_ISN09_MOD_SIP-TABLE-PNSCRN

- A_NT-CS2K_ISN09_MOD_SIP-TABLE-PNSCRN-RB

- A_NT-CS2K_ISN09_MOD_SIP-WML

- A_NT-CS2K_ISN09_MOD_SIP-WML-RB

- A_NT-CS2K_ISN09_QRY_SIP-DN

- A_NT-CS2K_ISN09_QRY_SIP-LEN

- A_NT-CS2K_ISN09_QRY_SIP-TABLE-DNSCRN

- A_NT-CS2K_ISN09_QRY_SIP-TABLE-PNSCRN

A_NT-CS2K_ISN09_ADD_SIP-3WC

This option allows the subscriber on the assigned line to place a call on hold. When the call is on hold, the subscriber can set up a request call to another subscriber. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.add3WC.**

Table 2–2   A_NT-CS2K_ISN09_ADD_SIP-3WC

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len 3WC $
```

Output Parameters
NA

A_NT-CS2K_ISN09_ADD_SIP-3WC-RB

This option allows the subscriber on the assigned line to place a call on hold. When the call is on hold, the subscriber can set up a request call to another subscriber. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.add3WCRB.**

Table 2–3   A_NT-CS2K_ISN09_ADD_SIP-3WC-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len 3WC $
```

Output Parameters
NA

A_NT-CS2K_ISN09_ADD_SIP-ACB

ACB allows to call the last station the subscriber called. If the line is busy, ACB monitors the line until it becomes idle and accepts the call. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addACB.**

Table 2–4   A_NT-CS2K_ISN09_ADD_SIP-ACB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
AUTOMATIC_CALL_ BACK_BILLING_ OPTION	Indicates the specified billing option, when the user assigns CND or COT option to an RES line. Valid values are (AMA=recorded, NOAMA=not recorded, or $.)	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len ACB billing_option $ Y
where billing_option = AMA or NOAMA or $. Default is $.
If billing_option is not supported:
ADO $ dn_or_len ACB $ Y
```

Output Parameters
NA

A_NT-CS2K_ISN09_ADD_SIP-ACB-RB

ACB allows to call the last station the subscriber called. If the line is busy, ACB monitors the line until it becomes idle and accepts the call. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addACBRB.**

Table 2–5   A_NT-CS2K_ISN09_ADD_SIP-ACB-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_AUTOMATIC_ CALL_BACK_ BILLING_OPTION	Indicates the specified billing option, when the user assigns CND or COT option to an RES line. Valid values are (AMA=recorded, NOAMA=not recorded, or $.)	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len ACB old_billing_option $ Y
where billing_option = AMA or NOAMA or $. Default is $.
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-ACRJ

The Anonymous Caller Rejection (ACRJ) option allows a subscriber to reject incoming calls from callers who block their names or directory numbers (DN). It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addACRJ.**

Table 2–6   A_NT-CS2K_ISN09_ADD_SIP-ACRJ

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
ANONYMOUS_ CALLER_BLOCKING_ STATUS	Indicate service status, active or inactive.	N/A	N/A	S	R

MML commands

MML Syntax :

```
ADO $ dn_or_len ACRJ status $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-ACRJ-RB

The Anonymous Caller Rejection (ACRJ) option allows a subscriber to reject incoming calls from callers who block their names or directory numbers (DN). It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addACRJRB.**

Table 2–7   A_NT-CS2K_ISN09_ADD_SIP-ACRJ-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_ANONYMOUS_ CALLER_BLOCKING_ STATUS	Indicate service status, active or inactive.	N/A	N/A	S	R

MML commands

MML Syntax :

```
ADO $ dn_or_len ACRJ old_status $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-AUL

The automatic line (AUL) option connects to a set location when a directory number (DN) or an assigned AUL option line reports an off-hook. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addAUL.**

Table 2–8   A_NT-CS2K_ISN09_ADD_SIP-AUL

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
AUTOMATIC_LINE_ DN	Automatic line DN.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len AUL aul_dn $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-AUL-RB

The automatic line (AUL) option connects to a set location when a directory number (DN) or an assigned AUL option line reports an off-hook. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addAULRB.**

Table 2–9   A_NT-CS2K_ISN09_ADD_SIP-AUL-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_AUTOMATIC_ LINE_DN	Automatic line DN.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len AUL old_aul_dn $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-CBU

The CBU option allows Call Forwarding Busy calls to forward to remote stations outside and inside the customer group. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPAddFeatProv.addCBU.**

Table 2–10   A_NT-CS2K_ISN09_ADD_SIP-CBU

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len CBU $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-CBU-RB

The CBU option allows Call Forwarding Busy calls to forward to remote stations outside and inside the customer group. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPAddFeatProv.addCBURB.**

Table 2–11   A_NT-CS2K_ISN09_ADD_SIP-CBU-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len CBU $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-CCW

The Cancel Call Waiting (CCW) option allows Call Waiting (CWT) subscribers to turn off the CWT option. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPAddFeatProv.addCCW.**

Table 2–12   A_NT-CS2K_ISN09_ADD_SIP-CCW

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len CCW $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-CCW-RB

The Cancel Call Waiting(CCW) option allows Call Waiting (CWT) subscribers to turn off the CWT option. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPAddFeatProv.addCCWRB.**

Table 2–13   A_NT-CS2K_ISN09_ADD_SIP-CCW-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len CCW $
```

Output Parameters
NA

A_NT-CS2K_ISN09_ADD_SIP-CDU

The CDU option allows the system to forward all calls that are not answered to a remote station that is ouside or inside customer group. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addCDU.**

Table 2–14   A_NT-CS2K_ISN09_ADD_SIP-CDU

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len CDU $
```

Output Parameters
NA

A_NT-CS2K_ISN09_ADD_SIP-CDU-RB

The CDU option allows the system to forward all calls that are not answered to a remote station that is ouside or inside customer group. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addCDURB.**

Table 2–15   A_NT-CS2K_ISN09_ADD_SIP-CDU-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len CDU $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-CFB

The CFB option allows the subscriber to specify a directory number (DN). It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPAddFeatProv.addCFB.**

Table 2–16   A_NT-CS2K_ISN09_ADD_SIP-CFB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
CALL_FORWARD_BUSY_CNTL	Call forwarding busy Control. F = fixed assignment for CFB N = normal (default) assignment for CFB P = programmed assignment for CFB K = programmed assignment for CFB per key destination.	N/A	N/A	S	R
CALL_FORWARD_BUSY_DN	Call forwarding DN for CFB option	N/A	N/A	S	O
CALL_FORWARD_BUSY_KEYLIST	Key number (1-69), list of key numbers, or $ Appears when the user assigns a subset option to a multi-line set. Specifies key numbers of the DNs to which an option applies	N/A	N/A	C	O

MML commands

MML Syntax :

```
if cfb_ctrl = F or N
ADO $ dn_or_len CFB cfb_ctrl fwd_dn $
if cfb_ctrl = P
ADO $ dn_or_len CFB cfb_ctrl $
if cfb_ctrl = K
```

```
ADO $ dn_or_len CFB cfb_ctrl [ keylist ]0..n $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-CFB-RB

The CFBL option allows the subscriber to specify a directory number (DN). It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addCFBRB.**

Table 2–17   A_NT-CS2K_ISN09_ADD_SIP-CFB-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_CALL_ FORWARD_BUSY_ CNTL	Call forwarding busy Control. F = fixed assignment for CFB N = normal (default) assignment for CFB P = programmed assignment for CFB K = programmed assignment for CFB per key destination.	N/A	N/A	S	R
OLD_CALL_ FORWARD_BUSY_DN	Call forwarding DN for CFB option	N/A	N/A	S	O
OLD_CALL_ FORWARD_BUSY_ KEYLIST	Key number (1-69), list of key numbers, or $ Appears when the user assigns a subset option to a multi-line set. Specifies key numbers of the DNs to which an option applies	N/A	N/A	C	O

MML commands

MML Syntax :

```
if cfb_ctrl = F or N
ADO $ dn_or_len CFB old_cfb_ctrl old_fwd_dn $
if cfb_ctrl = P
ADO $ dn_or_len CFB old_cfb_ctrl $
if cfb_ctrl = K
ADO $ dn_or_len CFB old_cfb_ctrl [ old_keylist ]0..n $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-CFD

The Call Forwarding Do Not Answer (CFD) Business option forwards calls not answered to stations in the same customer group. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addCFD.**

Table 2–18   A_NT-CS2K_ISN09_ADD_SIP-CFD

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
CALL_FORWARD_ NO_ANSWER_BUS_ CNTL	Call Forwarding Do Not Answer control. F means fixed, N means normal (default), and C means programmed assignment.	N/A	N/A	S	R
CALL_FORWARD_ NO_ANSWER_BUS_ DN	Screening Identifies screening by class of service.	N/A	N/A	S	O
CALL_FORWARD_ NO_ANSWER_BUS_ KEYLIST	The number of calls the system can forward at the same time.	N/A	N/A	C	O

MML commands

MML Syntax :

```
if cfb_ctrl = F or N
ADO $ dn_or_len CFD cfb_ctrl cfbdn [ keylist ]0..n $
if cfb_ctrl = P or K
ADO $ dn_or_len CFD cfb_ctrl [ keylist ]0..n $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-CFD-RB

The Call Forwarding Do Not Answer (CFD) Business option forwards calls not answered to stations in the same customer group. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addCFDRB.**

Table 2–19   A_NT-CS2K_ISN09_ADD_SIP-CFD-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

Table 2–19 (Cont.) A_NT-CS2K_ISN09_ADD_SIP-CFD-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_CALL_ FORWARD_NO_ ANSWER_BUS_CNTL	Call Forwarding Do Not Answer control. F means fixed, N means normal (default), and C means programmed assignment.	N/A	N/A	S	R
OLD_CALL_ FORWARD_NO_ ANSWER_BUS_DN	Screening Identifies screening by class of service.	N/A	N/A	S	O
OLD_CALL_ FORWARD_NO_ ANSWER_BUS_ KEYLIST	The number of calls the system can forward at the same time.	N/A	N/A	C	O

MML commands

MML Syntax :

```
if cfb_ctrl = F or N
ADO $ dn_or_len CFD old_cfb_ctrl old_cfbdn [ old_keylist ]0..n $
if cfb_ctrl = P or K
ADO $ dn_or_len CFD old_cfb_ctrl [ old_keylist ]0..n $
```

Output Parameters
NA

A_NT-CS2K_ISN09_ADD_SIP-CFDVT

The Call Forwarding Do Not Answer Variable Timer (CFDVT) option allowsan end-user to specify how long a call rings before the system forwards the call to another station. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_ sip_isn09.CS2KSIPAddFeatProv.addCFDVT.**

Table 2–20 A_NT-CS2K_ISN09_ADD_SIP-CFDVT

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
CALL_FORWARD_ NO_ANSWER_VAR_ RING_CTRL	Ring control. Enter PRGRING to allow end-user to set CVDVT time-out period. Enter FIXRING to indicate to end-user that the CVDVT time-out period is fixed; it can only be changed by the operating company.	N/A	N/A	S	R
CALL_FORWARD_ NO_ANSWER_VAR_ TIME	Call forward do not answer timing. The time, in seconds, that a call rings before the system forwards the call the next DN. Value 0-60.	N/A	N/A	S	R

MML commands

MML Syntax :

```
ADO $ dn_or_len CFDVT time ring_ctrl $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-CFDVT-RB

The Call Forwarding Do Not Answer Variable Timer (CFDVT) option allowsan end-user to specify how long a call rings before the system forwards the call to another station. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_ sip_isn09.CS2KSIPAddFeatProv.addCFDVTRB.**

Table 2–21   A_NT-CS2K_ISN09_ADD_SIP-CFDVT-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_CALL_ FORWARD_NO_ ANSWER_VAR_ RING_CTRL	Ring control. Enter PRGRING to allow end-user to set CVDVT time-out period. Enter FIXRING to indicate to end-user that the CVDVT time-out period is fixed; it can only be changed by the operating company.	N/A	N/A	S	R
OLD_CALL_ FORWARD_NO_ ANSWER_VAR_TIME	Call forward do not answer timing. The time, in seconds, that a call rings before the system forwards the call to the next DN. Value 0-60.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len CFDVT old_time old_ring_ctrl $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-CFU

The CFU option allows a station user to reroute incoming calls to another telephone number. This number can be in the MDC customer group, the local calling area, or a foreign exchange. The user can also forward the call to an attendant. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addCFU.**

Table 2–22   A_NT-CS2K_ISN09_ADD_SIP-CFU

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
CALL_FORWARD_ UNIVERSAL_KEYLIST	Appears when the user assigns a subset option to a multi-line set. Specifies the key numbers of the DNs to which an option will apply. Key number (1-69), list of key numbers, or $.	N/A	N/A	C	O
CALL_FORWARD_ UNIVERSAL_ OVRDACR	Override for account code required.Y = Yes, N = No.	N/A	N/A	S	R

MML commands

MML Syntax :

```
ADO $ dn_or_len CFU override_acc $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-CFU-RB

The CFU option allows a station user to reroute incoming calls to another telephone number. This number can be in the MDC customer group, the local calling area, or a foreign exchange. The user can also forward the call to an attendant. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addCFURB.**

Table 2–23   A_NT-CS2K_ISN09_ADD_SIP-CFU-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_CALL_ FORWARD_ UNIVERSAL_KEYLIST	Appears when the user assigns a subset option to a multi-line set. Specifies the key numbers of the DNs to which an option will apply. Key number (1-69), list of key numbers, or $.	N/A	N/A	C	O
OLD_CALL_ FORWARD_ UNIVERSAL_ OVRDACR	Override for account code required.Y = Yes, N = No.	N/A	N/A	S	R

MML commands

MML Syntax :

```
ADO $ dn_or_len CFU old_override_acc $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-CLF

The Calling Line Identification with Flash (CLF) option allows a subscriber to hold an incoming call in the switch. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPAddFeatProv.addCLF.**

Table 2–24   A_NT-CS2K_ISN09_ADD_SIP-CLF

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len CLF $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-CLF-RB

The Calling Line Identification with Flash (CLF) option allows a subscriber to hold an incoming call in the switch. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPAddFeatProv.addCLFRB.**

Table 2–25   A_NT-CS2K_ISN09_ADD_SIP-CLF-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len CLF $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-CLI

Local and toll calls can stop on the line of the subscriber. If the calls stop, the Calling Line Identification (CLI) option records the following information on the DMS log syste. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addCLI.**

Table 2–26   A_NT-CS2K_ISN09_ADD_SIP-CLI

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len CLI $
```

Output Parameters
NA

A_NT-CS2K_ISN09_ADD_SIP-CLI-RB

Local and toll calls can stop on the line of the subscriber. If the calls stop, the Calling Line Identification (CLI) option records the following information on the DMS log syste. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addCLIRB.**

Table 2–27   A_NT-CS2K_ISN09_ADD_SIP-CLI-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len CLI $
```

Output Parameters
NA

A_NT-CS2K_ISN09_ADD_SIP-CND

The Calling Number Delivery (CND) option displays the directory number (DN) of the calling party. The CND also displays the time and date of the call. The billing

option is enabled. It is implemented by the Java method
com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPAddFeatProv.addCND.

Table 2–28   A_NT-CS2K_ISN09_ADD_SIP-CND

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
If billing_option is enabled:
ADO $ dn_or_len CND billing_option $ Y
where billing_option = AMA or NOAMA or $. Default is $. If billing_option is
disabled:
ADO $ dn_or_len CND $
```

Output Parameters
NA

A_NT-CS2K_ISN09_ADD_SIP-CND-RB

The Calling Number Delivery (CND) option displays the directory number (DN) of
the calling party. The CND also displays the time and date of the call. The billing
option is enabled. It is implemented by the Java method
com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPAddFeatProv.addCNDRB.

Table 2–29   A_NT-CS2K_ISN09_ADD_SIP-CND-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
If billing_option is enabled:
ADO $ dn_or_len CND old_billing_option $ Y
where billing_option = AMA or NOAMA or $. Default is $. If billing_option is
disabled:
ADO $ dn_or_len CND $
```

Output Parameters
NA

A_NT-CS2K_ISN09_ADD_SIP-CNDB

The Calling Number Delivery Blocking (CNDB) option blocks the delivery of the calling number. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPAddFeatProv.addCNDB.**

Table 2–30   A_NT-CS2K_ISN09_ADD_SIP-CNDB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len CNDB billing_option $ Y
where billing_option = AMA or NOAMA or $. Default is $. If billing_option is not
supported:
ADO $ dn_or_len CNDB $ Y
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-CNDB-RB

The Calling Number Delivery Blocking (CNDB) option blocks the delivery of the calling number. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPAddFeatProv.addCNDBRB.**

Table 2–31   A_NT-CS2K_ISN09_ADD_SIP-CNDB-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len CNDB old_billing_option $ Y
where billing_option = AMA or NOAMA or $. Default is $. If billing_option is not
supported:
ADO $ dn_or_len CNDB $ Y
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-CWI

The Call Waiting Intragroup (CWI) option allows a subscriber to apply the CWT option to intragroup calls, in addition to those allowed with CWT. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addCWI.**

Table 2–32   A_NT-CS2K_ISN09_ADD_SIP-CWI

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

Example:

Note:

Output Parameters

CSDL Return parameters

INFO Return parameters

A_NT-CS2K_ISN09_ADD_SIP-CWI-RB

The Call Waiting Intragroup (CWI) option allows a subscriber to apply the CWT option to intragroup calls, in addition to those allowed with CWT. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addCWIRB.**

Table 2–33   A_NT-CS2K_ISN09_ADD_SIP-CWI-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

Example:

Note:

Output Parameters

CSDL Return parameters

INFO Return parameters

A_NT-CS2K_ISN09_ADD_SIP-CWT

The CallWaiting (CWT) option allows the system to alert a busy station when an incoming call attempts to reach the directory number (DN). It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addCWT.**

Table 2–34   A_NT-CS2K_ISN09_ADD_SIP-CWT

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
CALL_WAITING_ CWT_OPTION	Indicates if the CWT option is active. Y = Yes, N = No.	N/A	N/A	S	O
CALL_WAITING_ RING	Specifies whether a ring from a telephone speaker is required in addition to the LCD diamond CWT key. Enter Y or N.	N/A	N/A	S	O
CALL_WAITING_ PCWT	Precedence call waiting. Y = Yes, N = No.	N/A	N/A	S	O
CALL_WAITING_ KEYLIST	Appears when the user assigns a subset feature to a multi-line set. Specifies key numbers of the DNS to which the user applied a feature.Key number (1-69); list of key numbers or $.	N/A	N/A	C	O

MML commands

MML Syntax :

```
ADO $ dn_or_len CWT $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-CWT-RB

The CallWaiting (CWT) option allows the system to alert a busy station when an incoming call attempts to reach the directory number (DN). It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addCWTRB.**

Table 2–35   A_NT-CS2K_ISN09_ADD_SIP-CWT-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_CALL_ WAITING_CWT_ OPTION	Indicates if the CWT option is active. Y = Yes, N = No.	N/A	N/A	S	O
OLD_CALL_ WAITING_RING	Specifies whether a ring from a telephone speaker is required in addition to the LCD diamond CWT key. Enter Y or N.	N/A	N/A	S	O
OLD_CALL_ WAITING_PCWT	Precedence call waiting. Y = Yes, N = No.	N/A	N/A	S	O
OLD_CALL_ WAITING_KEYLIST	Appears when the user assigns a subset feature to a multi-line set. Specifies key numbers of the DNS to which the user applied a feature.Key number (1-69); list of key numbers or $.	N/A	N/A	C	O

MML commands

MML Syntax :

```
ADO $ dn_or_len CWT $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-DDN

The DDN option allows the customer premises equipment (CPE) to display incoming calling name, number, and the time and date of the call. The CPE displays the number of the calling party in a design that the called party can dial to return the call. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addDDN.**

Table 2–36   A_NT-CS2K_ISN09_ADD_SIP-DDN

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len DDN billing_option $ Y
where billing_option = AMA or NOAMA or $. Default is $. If billing_option is not
supported:
ADO $ dn_or_len DDN $ Y
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-DDN-RB

The DDN option allows the customer premises equipment (CPE) to display incoming calling name, number, and the time and date of the call. The CPE displays the number of the calling party in a design that the called party can dial to return the call. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addDDNRB.**

Table 2–37   A_NT-CS2K_ISN09_ADD_SIP-DDN-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len DDN old_billing_option $ Y
where billing_option = AMA or NOAMA or $. Default is $. If billing_option is not
supported:
ADO $ dn_or_len DDN $ Y
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-DGT

The DGT option allows a telephone set to generate an address in the form of dual-tone multi-frequency signals. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPAddFeatProv.addDGT.**

Table 2–38   A_NT-CS2K_ISN09_ADD_SIP-DGT

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len DGT $ Y
```

Output Parameters
NA

A_NT-CS2K_ISN09_ADD_SIP-DGT-RB

The DGT option allows a telephone set to generate an address in the form of dual-tone multi-frequency signals. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPAddFeatProv.addDGTRB.**

Table 2–39   A_NT-CS2K_ISN09_ADD_SIP-DGT-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len DGT $ Y
```

Output Parameters
NA

A_NT-CS2K_ISN09_ADD_SIP-DNH

The Directory Number Hunt (DNH) option allows directory number hunting. Each line in the hunt group has a directory number (DN). It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addDNH.**

Table 2–40   A_NT-CS2K_ISN09_ADD_SIP-DNH

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
DIRECTORY_ NUMBER_HUNT_DN	DN of a new member to be added to a hunt group. This prompt appears when the A DD command is used.	N/A	N/A	S	O
DIRECTORY_ NUMBER_HUNT_ GROUPSIZE	Hunt group size. The expected maximum size of the hunt group.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len DNH link_dn groupsize $
```

Output Parameters
NA

A_NT-CS2K_ISN09_ADD_SIP-DNH-RB

The Directory Number Hunt (DNH) option allows directory number hunting. Each line in the hunt group has a directory number (DN). It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addDNHRB.**

Table 2–41   A_NT-CS2K_ISN09_ADD_SIP-DNH-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_DIRECTORY_ NUMBER_HUNT_DN	DN of a new member to be added to a hunt group. This prompt appears when the A DD command is used.	N/A	N/A	S	O
OLD_DIRECTORY_ NUMBER_HUNT_ GROUPSIZE	Hunt group size. The expected maximum size of the hunt group.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len DNH old_link_dn old_groupsize $
```

Output Parameters
NA

A_NT-CS2K_ISN09_ADD_SIP-FEATURES

Adds options to assigned single-line and multiline telephone sets, to hunt group lines, and to proprietary business sets. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addLineFeatures.**

Table 2–42   A_NT-CS2K_ISN09_ADD_SIP-FEATURES

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OPT	Options associated with a service your are establishing, modifying, or deleting. You can specify a maximum of 20 options in any single command. You can specify a maximum of 128 options in any deo command.	N/A	N/A	C	R
IS_OPTIMIZED	A flag to indicate MML optimazation of the command. The values are false and true.	N/A	true	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len [ option ]1..n $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-FEATURES-RB

Adds options to assigned single-line and multiline telephone sets, to hunt group lines, and to proprietary business sets. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addLineFeaturesRB.**

Table 2–43   A_NT-CS2K_ISN09_ADD_SIP-FEATURES-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_ ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_OPT	Options associated with a service your are establishing, modifying, or deleting. You can specify a maximum of 20 options in any single command. You can specify a maximum of 128 options in any deo command.	N/A	N/A	C	R
IS_OPTIMIZED	A flag to indicate MML optimazation of the command. The values are false and true.	N/A	false	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len [ old_option ]1..n $
```

Output Parameters
NA

A_NT-CS2K_ISN09_ADD_SIP-LNR

The LNR option allows a subscriber to redial the last number dialed. The subscriber uses a single key instead of the full number to redial the last number dialed. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addLNR.**

Table 2–44   A_NT-CS2K_ISN09_ADD_SIP-LNR

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len LNR $
```

Output Parameters
NA

A_NT-CS2K_ISN09_ADD_SIP-LNR-RB

The LNR option allows a subscriber to redial the last number dialed. The subscriber uses a single key instead of the full number to redial the last number dialed. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addLNRRB.**

Table 2–45   A_NT-CS2K_ISN09_ADD_SIP-LNR-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len LNR $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-MWT

The MWT option allows a message center to inform a user that there is a message. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPAddFeatProv.addMWT.**

Table 2–46   A_NT-CS2K_ISN09_ADD_SIP-MWT

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
MESSAGE_WAITING_ INDICATOR_NOTICE	Message waiting notification.STD = stuttered dialtoneMWL = message waiting lampCMWI = CLASS message waiting indicatorPRN = periodic ring notification.	N/A	N/A	S	O
MESSAGE_WAITING_ INDICATOR_ CMWISTD	When CMWISTD is set to Y, subscribers are allowed to dial an access code to activate or deactivate stuttered dial tone.Y = stuttered dial tone is activated.N = No stuttered dial tone.	N/A	N/A	S	O
MESSAGE_WAITING_ INDICATOR_ CMWIRING	When CMWIRING is set to Y, subscribers can dial an access code. This code allows the subscriber to activate or deactivate ringing that precedes a lamp activation message.	N/A	N/A	S	O
MESSAGE_WAITING_ INDICATOR_STATUS	When the CMWIRING is set to UDLC, the system does not prompt for the status field.	N/A	N/A	S	O
MESSAGE_WAITING_ INDICATOR_CAR	Call request option.	N/A	N/A	S	R
MESSAGE_WAITING_ INDICATOR_ CRRCFW	Call request retrieve call forwarding. Specifies how the system handles forwarding if a subscriber activates Call request retrieve (CRR) to return a call to the subscriber that left the message. Note: The CRRCFW is required only if CAR is set to Y.	N/A	N/A	S	O
MESSAGE_WAITING_ INDICATOR_CRX	Call request not required.	N/A	N/A	S	R

MML commands

MML Syntax :

```
notice=CMWI
ADO $ dn_or_len MWT notice act_stuttered_dt act_ring_burst status cr_option cr_
call_fwd
cr_req $
notice=PRN
```

```
ADO $ dn_or_len MWT notice irn status cr_option cr_call_fwd cr_req $
notice=STD
ADO $ dn_or_len MWT notice cr_option cr_call_fwd cr_req $
cr_call_fwd is required when cr_option = Y
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-MWT-RB

The MWT option allows a message center to inform a user that there is a message. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPAddFeatProv.addMWTRB.**

Table 2–47   A_NT-CS2K_ISN09_ADD_SIP-MWT-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_MESSAGE_ WAITING_ INDICATOR_NOTICE	Message waiting notification.STD = stuttered dialtoneMWL = message waiting lampCMWI = CLASS message waiting indicatorPRN = periodic ring notification.	N/A	N/A	S	O
OLD_MESSAGE_ WAITING_ INDICATOR_ CMWISTD	When CMWISTD is set to Y, subscribers are allowed to dial an access code to activate or deactivate stuttered dial tone.Y = stuttered dial tone is activated.N = No stuttered dial tone.	N/A	N/A	S	O
OLD_MESSAGE_ WAITING_ INDICATOR_ CMWIRING	When CMWIRING is set to Y, subscribers can dial an access code. This code allows the subscriber to activate or deactivate ringing that precedes a lamp activation message.	N/A	N/A	S	O
OLD_MESSAGE_ WAITING_ INDICATOR_STATUS	When the CMWIRING is set to UDLC, the system does not prompt for the status field.	N/A	N/A	S	O
OLD_MESSAGE_ WAITING_ INDICATOR_CAR	Call request option.	N/A	N/A	S	R
OLD_MESSAGE_ WAITING_ INDICATOR_ CRRCFW	Call request retrieve call forwarding. Specifies how the system handles forwarding if a subscriber activates Call request retrieve (CRR) to return a call to the subscriber that left the message. Note: The CRRCFW is required only if CAR is set to Y.	N/A	N/A	S	O
OLD_MESSAGE_ WAITING_ INDICATOR_CRX	Call request not required.	N/A	N/A	S	R

MML commands

MML Syntax :

```
notice=CMWI
ADO $ dn_or_len MWT notice act_stuttered_dt act_ring_burst status cr_option cr_
call_fwd
cr_req $
notice=PRN
ADO $ dn_or_len MWT notice irn status cr_option cr_call_fwd cr_req $
notice=STD
ADO $ dn_or_len MWT notice cr_option cr_call_fwd cr_req $
cr_call_fwd is required when cr_option = Y
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-RAG

The RAG option allows a station user encountering a busy directory number (DN) to be notified when the busy station becomes idle and the system automatically redials the same number. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPAddFeatProv.addRAG.**

Table 2–48   A_NT-CS2K_ISN09_ADD_SIP-RAG

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len RAG $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-RAG-RB

The RAG option allows a station user encountering a busy directory number (DN) to be notified when the busy station becomes idle and the system automatically redials the same number. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPAddFeatProv.addRAGRB.**

Table 2–49   A_NT-CS2K_ISN09_ADD_SIP-RAG-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len RAG $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-SCF

The SCF option allows calls that terminate on the line to be forwarded to a remote destination if the number of the originating station matches one of the numbers in the SCF list. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_ sip_isn09.CS2KSIPAddFeatProv.addSCF.**

Table 2–50   A_NT-CS2K_ISN09_ADD_SIP-SCF

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
SELECTIVE_CALL_ FORWARDING_ STATUS	INACT indicates the option is not turned on (inactive);ACT indicates the option is turned on (active); UNIVI indicates universal access via customer interface inactive, and UNIVA indicates universal access via customer interface active.	N/A	N/A	S	R
SELECTIVE_CALL_ FORWARDING_ BILLING_OPTION	NOAMA indicates that the feature is billed based on a subscription; AMA indicates that the feature is billed based on usage, in which case an AMA billing record is generated for each SLE session.	N/A	N/A	S	O
SELECTIVE_CALL_ FORWARDING_DNS	Directory number to be added to the SCF list. If a user does not send any value for SELECTIVE_CALL_ FORWARDING_DNS[1] system will assume that value is $.	N/A	N/A	C	O
SELECTIVE_CALL_ FORWARDING_ VBCOUNT	Number of digits voiced back during SCA list review.	N/A	N/A	C	O
SELECTIVE_CALL_ FORWARDING_FDN	Number to which calls will be forwarded.	N/A	N/A	S	O
SELECTIVE_CALL_ FORWARDING_ SCRNCL	Screening by class of service.	N/A	N/A	S	O
SELECTIVE_CALL_ FORWARDING_ NUMCALLS	LINE to which calls will be forwarded.	N/A	N/A	S	R
SELECTIVE_CALL_ FORWARDING_ RINGREM	LINE to which calls will be forwarded.	N/A	N/A	S	R

MML commands

MML Syntax :

```
ADO $ dn_or_len SCF billing_option status [dns vbcount ] 0...n $ fwd_dn scrncl
num_call
ring_rem $ Y
where billing_option = AMA or NOAMA or $. Default is $. scrncl is optional.
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-SCF-RB

The SCF option allows calls that terminate on the line to be forwarded to a remote destination if the number of the originating station matches one of the numbers in the SCF list. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_ sip_isn09.CS2KSIPAddFeatProv.addSCFRB.**

Table 2–51   A_NT-CS2K_ISN09_ADD_SIP-SCF-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_SELECTIVE_ CALL_ FORWARDING_ STATUS	INACT indicates the option is not turned on (inactive);ACT indicates the option is turned on (active); UNIVI indicates universal access via customer interface inactive, and UNIVA indicates universal access via customer interface active.	N/A	N/A	S	R
OLD_SELECTIVE_ CALL_ FORWARDING_ BILLING_OPTION	NOAMA indicates that the feature is billed based on a subscription; AMA indicates that the feature is billed based on usage, in which case an AMA billing record is generated for each SLE session.	N/A	N/A	S	O
OLD_SELECTIVE_ CALL_ FORWARDING_DNS	Directory number to be added to the SCF list. If a user does not send any value for SELECTIVE_CALL_ FORWARDING_DNS[1] system will assume that value is $.	N/A	N/A	C	O
OLD_SELECTIVE_ CALL_ FORWARDING_ VBCOUNT	Number of digits voiced back during SCA list review.	N/A	N/A	C	O
OLD_SELECTIVE_ CALL_ FORWARDING_FDN	Number to which calls will be forwarded.	N/A	N/A	S	O

Table 2–51 (Cont.) A_NT-CS2K_ISN09_ADD_SIP-SCF-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_SELECTIVE_ CALL_ FORWARDING_ SCRNCL	Screening by class of service.	N/A	N/A	S	O
OLD_SELECTIVE_ CALL_ FORWARDING_ NUMCALLS	LINE to which calls will be forwarded.	N/A	N/A	S	R
OLD_SELECTIVE_ CALL_ FORWARDING_ RINGREM	LINE to which calls will be forwarded.	N/A	N/A	S	R

MML commands

MML Syntax :

```
ADO $ dn_or_len SCF old_billing_option old_status [old_dns old_vbcount ] 0...n $
old_fwd_dn old_scrncl old_num_call old_ring_rem $ Y
where billing_option = AMA
```

Output Parameters
NA

A_NT-CS2K_ISN09_ADD_SIP-SCRJ

The SCRJ option allows a subscriber to selectively reject calls arriving from a limited set of previously identified DNs. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPAddFeatProv.addSCRJ.**

Table 2–52 A_NT-CS2K_ISN09_ADD_SIP-SCRJ

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
SELECTIVE_CALL_ BLOCKING_STATUS	INACT indicates the option is not turned on (inactive);ACT indicates the option is turned on (active); UNIVI indicates universal access via customer interface inactive, and UNIVA indicates universal access via customer interface active.	N/A	N/A	S	R

Table 2–52   (Cont.) A_NT-CS2K_ISN09_ADD_SIP-SCRJ

Parameter Name	Description	Range	Default Value	Type	Class
SELECTIVE_CALL_ BLOCKING_BILLING_ OPTION	NOAMA indicates that the feature is billed based on a subscription; AMA indicates that the feature is billed based on usage, in which case an AMA billing record is generated for each SLE session.	N/A	N/A	S	O
SELECTIVE_CALL_ BLOCKING_DNS	Directory number to be added to the SCRJ list. If a user does not send any value for SELECTIVE_CALL_ BLOCKING_DNS[1] system will assume that value is $.	N/A	N/A	C	O
SELECTIVE_CALL_ BLOCKING_ VBCOUNT	Number of digits voiced back during SCA list review.	N/A	N/A	C	O

MML commands

MML Syntax :

```
ADO $ dn_or_len SCRJ billing_option status [dns vbcount ] 0...n $ $ Y
where billing_option = AMA or NOAMA or $. Default is $.
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-SCRJ-RB

The SCRJ option allows a subscriber to selectively reject calls arriving from a limited set of previously identified DNs. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPAddFeatProv.addSCRJRB.**

Table 2–53   A_NT-CS2K_ISN09_ADD_SIP-SCRJ-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_SELECTIVE_ CALL_BLOCKING_ STATUS	INACT indicates the option is not turned on (inactive);ACT indicates the option is turned on (active); UNIVI indicates universal access via customer interface inactive, and UNIVA indicates universal access via customer interface active.	N/A	N/A	S	R

Table 2–53 (Cont.) A_NT-CS2K_ISN09_ADD_SIP-SCRJ-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_SELECTIVE_ CALL_BLOCKING_ BILLING_OPTION	NOAMA indicates that the feature is billed based on a subscription; AMA indicates that the feature is billed based on usage, in which case an AMA billing record is generated for each SLE session.	N/A	N/A	S	O
OLD_SELECTIVE_ CALL_BLOCKING_ DNS	Directory number to be added to the SCRJ list. If a user does not send any value for SELECTIVE_CALL_ BLOCKING_DNS[1] system will assume that value is $.	N/A	N/A	C	O
OLD_SELECTIVE_ CALL_BLOCKING_ VBCOUNT	Number of digits voiced back during SCA list review.	N/A	N/A	C	O

MML commands

MML Syntax :

```
CHF $ dn_or_len SCRJ old_billing_option old_status [old_dns old_vbcount ] 0...n $
$
where billing_option = AMA or NOAMA or $. Default is $.
Nortel CS2K ISN09 SIP (Session Initiation Protocol) Cartridge Guide 157
Chapter 3: Atomic Service Description Layer (ASDL) Commands
```

Output Parameters
NA

A_NT-CS2K_ISN09_ADD_SIP-SCS

The SCS option allows a customer to specify a list of frequently called numbers that the customer can call by dialing a one-digit speed calling code instead of the complete number. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_ sip_isn09.CS2KSIPAddFeatProv.addSCS.**

Table 2–54 A_NT-CS2K_ISN09_ADD_SIP-SCS

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len SCS $
```

Output Parameters
NA

A_NT-CS2K_ISN09_ADD_SIP-SCS-RB

The SCS option allows a customer to specify a list of frequently called numbers that the customer can call by dialing a one-digit speed calling code instead of the complete number. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_ sip_isn09.CS2KSIPAddFeatProv.addSCSRB.**

Table 2–55   A_NT-CS2K_ISN09_ADD_SIP-SCS-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len SCS $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-SUBSCRIBER

This command establishes service for single-SUBSCRIBER and multiline telephone sets that are not assigned. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPLineProv.addSIPSubscriber.**

Table 2–56   A_NT-CS2K_ISN09_ADD_SIP-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	The SIP directory number	N/A	N/A	S	R
LCC	The line class code	N/A	N/A	S	R
GROUP	Groups beginning with an alphabetic character. Used with the IBN line class code (LCC).	N/A	N/A	S	R
SUB_GROUP	Groups 0 to 7 subgroup numbers of a customer group to which a station or DN belongs. Data Type: Integer Range: 0 - 7	N/A	N/A	S	R
NCOS	The network class of service for IBN lines, trunks, or attendant consoles; defines a set of capabilities or restrictions that allows or denies calls. Data Type: Integer Range: 0-255.	N/A	N/A	S	R
LTG	Line treatment group number Data Type: Integer Range: 0 -255	N/A	N/A	S	R
ENDPOINT_LEN	The endpoint or line equipment number	N/A	N/A	S	R

Table 2–56   (Cont.) A_NT-CS2K_ISN09_ADD_SIP-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
SIP_PACKAGE	One of SIP specific parameters is of package Data Type: Up to 60 characters	N/A	N/A	S	R
SIP_URI	One of SIP specific parameters is of uri Data Type: Up to 60 characters	N/A	N/A	S	R
SIP_CLIENT_TYPE	One of SIP specific parameters is of client type	N/A	N/A	S	R
SIP_LOCATION	One of SIP specific parameters is location	N/A	N/A	S	R
SIP_PASSWD	One of SIP specific parameters is Password.Rules: Have a minimum password length between 4-10. Have a minimum of 0 to 10 numerical characters.	N/A	N/A	S	R
SIP_SUBDOMAIN	One of SIP specific parameters is subdomain	N/A	N/A	S	R
LINE_OPTION	The sub-option enables the DPL to act as a SIP line, and is set to Y Data Type: Boolean Possible values: Y, N	N/A	N/A	S	R
MAX_NUM_ SESSIONS	The maximum number of simultaneous sessions allowed for the subscriber. Default value: 10. Data Type: Integer Range: 1-10	N/A	N/A	S	R
OPT	The Line options Default value: DGT	N/A	N/A	C	O
IS_OPTIMIZED	A flag to indicate MML optimazation of the command. The values are false and true.	N/A	true	S	O

MML commands

MML Syntax :

```
NEW $ <DN> <LCC> <GROUP> <SUB_GROUP> <NCOS> <LTG> <ENDPOINT_LEN>
SIP_DATA SIP_PACKAGE <SIP_PACKAGE> SIP_URI <SIP_URI>
SIP_CLIENT_TYPE <SIP_CLIENT_TYPE> SIP_LOCATION <SIP_LOCATION>
SIP_PASSWD <SIP_PASSWD> SIP_SUBDOMAIN <SIP_SUBDOMAIN> $ DPL
<LINE_OPTION> <MAX_NUM_SESSIONS> <OPTIONS[x]> $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-SUBSCRIBER-RB

This command establishes service for single-SUBSCRIBER and multiline telephone sets that are not assigned. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPLineProv.addSIPSubscriberRB.**

Table 2–57   A_NT-CS2K_ISN09_ADD_SIP-SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
OLD_DN	The SIP directory number	N/A	N/A	S	R
OLD_LCC	The line class code	N/A	N/A	S	R
OLD_GROUP	Groups beginning with an alphabetic character. Used with the IBN line class code (LCC).	N/A	N/A	S	R
OLD_SUB_GROUP	Groups 0 to 7 subgroup numbers of a customer group to which a station or DN belongs. Data Type: Integer Range: 0 - 7	N/A	N/A	S	R
OLD_NCOS	The network class of service for IBN lines, trunks, or attendant consoles; defines a set of capabilities or restrictions that allows or denies calls. Data Type: Integer Range: 0-255.	N/A	N/A	S	R
OLD_LTG	Line treatment group number Data Type: Integer Range: 0 -255	N/A	N/A	S	R
OLD_ENDPOINT_ LEN	The endpoint or line equipment number	N/A	N/A	S	R
OLD_SIP_PACKAGE	One of SIP specific parameters is of package Data Type: Up to 60 characters	N/A	N/A	S	R
OLD_SIP_URI	One of SIP specific parameters is of uri Data Type: Up to 60 characters	N/A	N/A	S	R
OLD_SIP_CLIENT_ TYPE	One of SIP specific parameters is of client type	N/A	N/A	S	R
OLD_SIP_LOCATION	One of SIP specific parameters is location	N/A	N/A	S	R
OLD_SIP_PASSWD	One of SIP specific parameters is Password.Rules: Have a minimum password length between 4-10 Have a minimum of 0 to 10 numerical characters.	N/A	N/A	S	R
OLD_SIP_ SUBDOMAIN	One of SIP specific parameters is subdomain	N/A	N/A	S	R
OLD_LINE_OPTION	The sub-option enables the DPL to act as a SIP line, and is set to Y Data Type: Boolean Possible values: Y, N	N/A	N/A	S	R
OLD_MAX_NUM_ SESSIONS	The maximum number of simultaneous sessions allowed for the subscriber. Default value: 10. Data Type: Integer Range: 1-10	N/A	N/A	S	R
OLD_OPT	The Line options Default value: DGT	N/A	N/A	C	O
IS_OPTIMIZED	A flag to indicate MML optimazation of the command. The values are false and true.	N/A	true	S	O

MML commands

MML Syntax :

```
NEW $ <DN> <LCC> <GROUP> <SUB_GROUP> <NCOS> <LTG> <ENDPOINT_LEN>
SIP_DATA SIP_PACKAGE <SIP_PACKAGE> SIP_URI <SIP_URI>
SIP_CLIENT_TYPE <SIP_CLIENT_TYPE> SIP_LOCATION <SIP_LOCATION>
SIP_PASSWD <SIP_PASSWD> SIP_SUBDOMAIN <SIP_SUBDOMAIN> $ DPL
<LINE_OPTION> <MAX_NUM_SESSIONS> <OPTIONS[x]> $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-SUPPRESS

The SUPPRESS option allows a party to stop directory number (DN) or name from being displayed at call destination. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addSUPPRESS.**

Table 2–58   A_NT-CS2K_ISN09_ADD_SIP-SUPPRESS

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
ANONYMOUS_ CALLER_NETNAME	Network name shown as DN attribute.	N/A	N/A	C	O
ANONYMOUS_ CALLER_SUPPRESS_ DN	Enter Y to suppress the display of the DN; enter N if no suppression is required. Suppresses the display of the DN.	N/A	N/A	C	O
ANONYMOUS_ CALLER_SUPPRESS_ NAME	Enter Y to suppress the display of the station name; enter N if no suppression is required. Suppresses the display of the station name.	N/A	N/A	C	O

MML commands

MML Syntax :

```
ADO $ dn_or_len SUPPRESS [ netname suppress_dn suppress_name ]0..n $ $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-SUPPRESS-RB

The SUPPRESS option allows a party to stop directory number (DN) or name from being displayed at call destination. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addSUPPRESSRB.**

Table 2–59   A_NT-CS2K_ISN09_ADD_SIP-SUPPRESS-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_ANONYMOUS_CALLER_NETNAME	Network name shown as DN attribute.	N/A	N/A	C	O
OLD_ANONYMOUS_CALLER_SUPPRESS_DN	Enter Y to suppress the display of the DN; enter N if no suppression is required. Suppresses the display of the DN.	N/A	N/A	C	O
OLD_ANONYMOUS_CALLER_SUPPRESS_NAME	Enter Y to suppress the display of the station name; enter N if no suppression is required. Suppresses the display of the station name.	N/A	N/A	C	O

MML commands

MML Syntax :

```
ADO $ dn_or_len SUPPRESS [ netname suppress_dn suppress_name ]0..n $ $
```

A_NT-CS2K_ISN09_ADD_SIP-TABLE-DNSCRN

Add a new product subscription. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPLNPProv.addSIPTableDNSCRN.**

Table 2–60   A_NT-CS2K_ISN09_ADD_SIP-TABLE-DNSCRN

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Logical NE Name.	N/A	N/A	S	R
DN	Directory Number.	N/A	N/A	S	R
CUSTGRP	Customer Group.	N/A	N/A	S	O
NCOS	Network Class of Service.	N/A	N/A	S	O
CLISERV	CLI service.	N/A	N/A	S	O
TRIM_DN_FLAG	Trim DN	N/A	Y	S	R

MML commands

MML Syntax :

```
ADD <DN> [CUSTINFO <CUSTGRP> <NCOS>] [CLISERV <CLISERV>] $
where:
<DN> - Directory Number
<CUSTGRP> - Customer Group. Alphanumeric (1 to 16 characters)
<NCOS> - Network Class of Service. NCOS associated with CUSTGRP. 1-511
<CLISERV> - CLI service. Numeric 0-32766
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-TABLE-DNSCRN-RB

Add a new product subscription. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPLNPProv.addSIPTableDNSCRNRB.**

Table 2–61   A_NT-CS2K_ISN09_ADD_SIP-TABLE-DNSCRN-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Logical NE Name.	N/A	N/A	S	R
DN	Directory Number.	N/A	N/A	S	R
OLD_CUSTGRP	Customer Group.	N/A	N/A	S	O
OLD_NCOS	Network Class of Service.	N/A	N/A	S	O
OLD_CLISERV	CLI service.	N/A	N/A	S	O
TRIM_DN_FLAG	Trim DN	N/A	Y	S	R

MML commands

MML Syntax :

```
ADD <DN> [CUSTINFO <CUSTGRP> <NCOS>] [CLISERV <CLISERV>] $
where:
<DN> - Directory Number
<CUSTGRP> - Customer Group. Alphanumeric (1 to 16 characters)
<NCOS> - Network Class of Service. NCOS associated with CUSTGRP. 1-511
<CLISERV> - CLI service. Numeric 0-32766
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-TABLE-PNSCRN

Add a new product subscription. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPLNPProv.addSIPTablePNSCRN.**

Table 2–62   A_NT-CS2K_ISN09_ADD_SIP-TABLE-PNSCRN

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Logical NE Name.	N/A	N/A	S	R
DN	Directory Number.	N/A	N/A	S	R
PORT_TYPE	Port Type.	N/A	N/A	S	R
NIC	Network ID Code	N/A	N/A	S	R
TRIM_DN_FLAG	Trim DN	N/A	Y	S	R
OPTION	Option. Write as OPTION[i], where i = 1..n .	N/A	N/A	C	O

MML commands

MML Syntax :

```
ADD <DN> <PORT_TYPE> <NIC> <OPTION[i]> | $
where
<DN> - directory number
<PORT_TYPE> - PORTEDIN, PORTEDOUT or PORTEDACR
<NIC> - network ID code
<OPTION[i]>:options, where i=1..n
If OPTION[i] = REPLACE, then
OPTION[i].REP_DIGS
OPTION[i].ROUT_NUM
should be provided.
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-TABLE-PNSCRN-RB

Add a new product subscription. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPLNPProv.addSIPTablePNSCRNRB.**

Table 2–63   A_NT-CS2K_ISN09_ADD_SIP-TABLE-PNSCRN-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Logical NE Name.	N/A	N/A	S	R
DN	Directory Number.	N/A	N/A	S	R
OLD_PORT_TYPE	Port Type.	N/A	N/A	S	R
OLD_NIC	Network ID Code	N/A	N/A	S	R
TRIM_DN_FLAG	Trim DN	N/A	Y	S	R
OLD_OPTION	Option. Write as OPTION[i], where i = 1..n .	N/A	N/A	C	O

MML commands

MML Syntax :

```
ADD <DN> <PORT_TYPE> <NIC> <OPTION[i]> | $
where
<DN> - directory number
<PORT_TYPE> - PORTEDIN, PORTEDOUT or PORTEDACR
<NIC> - network ID code
<OPTION[i]>:options, where i=1..n
If OPTION[i] = REPLACE, then
OPTION[i].REP_DIGS
OPTION[i].ROUT_NUM
should be provided.
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-WML

The WML option is assigned to lines that route to a predefined DN if no digits are dialed within a modifiable time-out period. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPAddFeatProv.addWML.**

Table 2–64   A_NT-CS2K_ISN09_ADD_SIP-WML

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
WARM_LINE_ CUSTMOD	Specifies whether a customer can change the DN to which a call is forwarded when the WML time-out expires.	N/A	N/A	S	R
WARM_LINE_ ACTIVE	Specifies whether the option is active.	N/A	N/A	S	R
WARM_LINE_ TIMEOUT	Specifies the ENDPOINT_LENgth of time in seconds before an unanswered call is automatically forwarded.	N/A	N/A	S	R
WARM_LINE_ FTCODE	Enter Y to allow subscriber to dial octothorpe (#) to access MDC features. Enter N to allow subscriber to dial # to override Warm Line feature timer. FTCODE is prompted when office parameter WML_OCT_IS_LINE_OPT_ PARM is set to Y.	N/A	N/A	S	O
WARM_LINE_DN	Specifies the DN to which a call is forwarded when the WML expires.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len WML cust_mod_dn act_option wml_dn timeout ftcode $
where ftcode is optional.
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-WML-RB

The WML option is assigned to lines that route to a predefined DN if no digits are dialed within a modifiable time-out period. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPAddFeatProv.addWMLRB.**

Table 2–65   A_NT-CS2K_ISN09_ADD_SIP-WML-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_WARM_LINE_ CUSTMOD	Specifies whether a customer can change the DN to which a call is forwarded when the WML time-out expires.	N/A	N/A	S	R
OLD_WARM_LINE_ ACTIVE	Specifies whether the option is active.	N/A	N/A	S	R
OLD_WARM_LINE_ TIMEOUT	Specifies the ENDPOINT_LENgth of time in seconds before an unanswered call is automatically forwarded.	N/A	N/A	S	R
OLD_WARM_LINE_ FTCODE	Enter Y to allow subscriber to dial octothorpe (#) to access MDC features. Enter N to allow subscriber to dial # to override Warm Line feature timer. FTCODE is prompted when office parameter WML_OCT_IS_LINE_OPT_ PARM is set to Y.	N/A	N/A	S	O
OLD_WARM_LINE_ DN	Specifies the DN to which a call is forwarded when the WML expires.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len WML cust_mod_dn act_option wml_dn timeout ftcode $
where ftcode is optional.
```

Output Parameters
NA

A_NT-CS2K_ISN09_ADD_SIP-WUC

The WUC option allows a subscriber to set a reminder time for the phone to ring. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addWUC.**

Table 2–66   A_NT-CS2K_ISN09_ADD_SIP-WUC

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len WUC $
where dn_or_len = dn or len
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-WUC-RB

The WUC option allows a subscriber to set a reminder time for the phone to ring. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addWUCRB.**

Table 2–67   A_NT-CS2K_ISN09_ADD_SIP-WUC-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len WUC $
where dn_or_len = dn or len
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-WUCR

The WUCR option allows a subscriber to set a reminder time for the phone to ring. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addWUCR.**

Table 2–68   A_NT-CS2K_ISN09_ADD_SIP-WUCR

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len WUCR $
```

Output Parameters

NA

A_NT-CS2K_ISN09_ADD_SIP-WUCR-RB

The WUCR option allows a subscriber to set a reminder time for the phone to ring. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPAddFeatProv.addWUCRRB.**

Table 2–69   A_NT-CS2K_ISN09_ADD_SIP-WUCR-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
ADO $ dn_or_len WUCR $
```

Output Parameters

NA

A_NT-CS2K_ISN09_CHG_SIP-FEATURES

Changes options to assigned single-line and multiline telephone sets, to hunt group lines, and to proprietary business sets. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPChgFeatProv.chgLineFeatures.**

Table 2–70   A_NT-CS2K_ISN09_CHG_SIP-FEATURES

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OPT	Options associated with a service your are establishing, modifying, or deleting. You can specify a maximum of 20 options in any single command. You can specify a maximum of 128 options in any deo command.	N/A	N/A	C	R
IS_OPTIMIZED	A flag to indicate MML optimazation of the command. The values are false and true.	N/A	true	S	O

MML commands

MML Syntax :

```
CHF $ dn_or_len [ option ]1..n $
```

Output Parameters

NA

A_NT-CS2K_ISN09_CHG_SIP-FEATURES-RB

Changes options to assigned single-line and multiline telephone sets, to hunt group lines, and to proprietary business sets. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPChgFeatProv.chgLineFeaturesRB.**

Table 2–71   A_NT-CS2K_ISN09_CHG_SIP-FEATURES-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_OPT	Options associated with a service your are establishing, modifying, or deleting. You can specify a maximum of 20 options in any single command. You can specify a maximum of 128 options in any deo command.	N/A	N/A	C	R
IS_OPTIMIZED	A flag to indicate MML optimazation of the command. The values are false and true.	N/A	true	S	O

MML commands

MML Syntax :

```
CHF $ dn_or_len [ old_option ]1..n $
```

Output Parameters

NA

A_NT-CS2K_ISN09_DEL_SIP-3WC

This option allows the subscriber on the assigned line to place a call on hold. When the call is on hold, the subscriber can set up a request call to another subscriber. This ASDL command remove this option from the assigned line. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPDelFeatProv.del3WC.**

Table 2–72   A_NT-CS2K_ISN09_DEL_SIP-3WC

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len 3WC $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-ACB

ACB allows to call the last station the subscriber called. If the line is busy, ACB monitors the line until it becomes idle and accepts the call. This ASDL command remove this option from the assigned line. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPDelFeatProv.delACB.**

Table 2–73   A_NT-CS2K_ISN09_DEL_SIP-ACB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len ACB $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-ACRJ

The Anonymous Caller Rejection (ACRJ) option allows a subscriber to reject incoming calls from callers who block their names or directory numbers (DN). This ASDL command remove this option from the assigned line. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPDelFeatProv.delACRJ.**

Table 2–74   A_NT-CS2K_ISN09_DEL_SIP-ACRJ

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len ACRJ $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-AUL

The automatic line (AUL) option connects to a set location when a directory number (DN) or an assigned AUL option line reports an off-hook. This ASDL command remove this option from the assigned line. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPDelFeatProv.delAUL.**

Table 2–75   A_NT-CS2K_ISN09_DEL_SIP-AUL

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len AUL $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-CBU

The CBU option allows Call Forwarding Busy calls to forward to remote stations outside and inside the customer group. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPDelFeatProv.delCBU.**

Table 2–76   A_NT-CS2K_ISN09_DEL_SIP-CBU

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len CBU $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-CCW

The Cancel Call Waiting (CCW) option allows Call Waiting (CWT) subscribers to turn off the CWT option. This ASDL command remove this option from the assigned line. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPDelFeatProv.delCCW.**

Table 2–77   A_NT-CS2K_ISN09_DEL_SIP-CCW

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len CCW $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-CDU

The CDU option allows the system to forward all calls that are not answered to a remote station that is ouside or inside customer group. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPDelFeatProv.delCDU.**

Table 2–78   A_NT-CS2K_ISN09_DEL_SIP-CDU

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len CDU $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-CFB

The CFB option allows the subscriber to specify a directory number (DN). This ASDL command remove this option from the assigned line. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPDelFeatProv.delCFB.**

Table 2–79   A_NT-CS2K_ISN09_DEL_SIP-CFB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
NA
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-CFD

The Call Forwarding Do Not Answer (CFD) Business option forwards calls not answered to stations in the same customer group. This ASDL command remove this option from the assigned line. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPDelFeatProv.delCFD.**

Table 2–80   A_NT-CS2K_ISN09_DEL_SIP-CFD

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len CFD $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-CFDVT

The Call Forwarding Do Not Answer Variable Timer (CFDVT) option allowsan end-user to specify how long a call rings before the system forwards the call to another station. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_ sip_isn09.CS2KSIPDelFeatProv.delCFDVT.**

Table 2–81   A_NT-CS2K_ISN09_DEL_SIP-CFDVT

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len CFDVT $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-CFU

The CFU option allows a station user to reroute incoming calls to another telephone number. This number can be in the MDC customer group, the local calling area, or a foreign exchange. The user can also forward the call to an attendant. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPDelFeatProv.delCFU.**

Table 2–82   A_NT-CS2K_ISN09_DEL_SIP-CFU

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len CFU $
```

Output Parameters

NA

A_NT-CS2K_ISN09_DEL_SIP-CLF

The Calling Line Identification with Flash (CLF) option allows a subscriber to hold an incoming call in the switch. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPDelFeatProv.delCLF.**

Table 2–83   A_NT-CS2K_ISN09_DEL_SIP-CLF

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len CLF $
```

Output Parameters

NA

A_NT-CS2K_ISN09_DEL_SIP-CLI

Local and toll calls can stop on the line of the subscriber. If the calls stop, the Calling Line Identification (CLI) option records the following information on the DMS log system. This ASDL command remove this option from the assigned line. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPDelFeatProv.delCLI.**

Table 2–84   A_NT-CS2K_ISN09_DEL_SIP-CLI

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len CLI $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-CND

The Calling Number Delivery (CND) option displays the directory number (DN) of the calling party. The CND also displays the time and date of the call. This ASDL command remove this option from the assigned line. Billing option is enabled. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPDelFeatProv.delCND.**

Table 2–85   A_NT-CS2K_ISN09_DEL_SIP-CND

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len CND $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-CNDB

The Calling Number Delivery Blocking (CNDB) option blocks the delivery of the calling number. This ASDL command remove this option from the assigned line. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPDelFeatProv.delCNDB.**

Table 2–86   A_NT-CS2K_ISN09_DEL_SIP-CNDB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len CNDB $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-CWI

The Call Waiting Intragroup (CWI) option allows a subscriber to apply the CWT option to intragroup calls, in addition to those allowed with CWT. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPDelFeatProv.delCWI.**

Table 2–87   A_NT-CS2K_ISN09_DEL_SIP-CWI

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

Example:

Note:

Output Parameters
CSDL Return parameters

INFO Return parameters

A_NT-CS2K_ISN09_DEL_SIP-CWT

The CallWaiting (CWT) option allows the system to alert a busy station when an incoming call attempts to reach the directory number (DN). This ASDL command remove this option from the assigned line. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPDelFeatProv.delCWT.**

Table 2–88   A_NT-CS2K_ISN09_DEL_SIP-CWT

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len CWT $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-DDN

The DDN option allows the customer premises equipment (CPE) to display incoming calling name, number, and the time and date of the call. The CPE displays the number of the calling party in a design that the called party can dial to return the call. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPDelFeatProv.delDDN.**

Table 2–89   A_NT-CS2K_ISN09_DEL_SIP-DDN

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len DDN $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-DGT

The DGT option allows a telephone set to generate an address in the form of dual-tone multi-frequency signals. This ASDL command remove this option from the assigned

line. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPDelFeatProv.delDGT.**

Table 2–90   A_NT-CS2K_ISN09_DEL_SIP-DGT

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len DGT $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-DNH

The Directory Number Hunt (DNH) option allows directory number hunting. Each line in the hunt group has a directory number (DN). This ASDL command remove this option from the assigned line. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPDelFeatProv.delDNH.**

Table 2–91   A_NT-CS2K_ISN09_DEL_SIP-DNH

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len DNH $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-FEATURES

Delete options from assigned single-line and multiline telephone sets, from hunt group lines, and from proprietary business sets. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPDelFeatProv.delLineFeatures.**

Table 2–92   A_NT-CS2K_ISN09_DEL_SIP-FEATURES

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OPT	Options associated with a service your are establishing, modifying, or deleting. You can specify a maximum of 20 options in any single command. You can specify a maximum of 128 options in any deo command.	N/A	N/A	C	R
IS_OPTIMIZED	A flag to indicate MML optimazation of the command. The values are false and true.	N/A	true	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len [ option ]1..n $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-LNR

The LNR option allows a subscriber to redial the last number dialed. The subscriber uses a single key instead of the full number to redial the last number dialed. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPDelFeatProv.delLNR.**

Table 2–93   A_NT-CS2K_ISN09_DEL_SIP-LNR

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len LNR $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-MWT

The MWT option allows a message center to inform a user that there is a message. This ASDL command remove this option from the assigned line. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPDelFeatProv.delMWT.**

Table 2–94   A_NT-CS2K_ISN09_DEL_SIP-MWT

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len MWT $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-RAG

The RAG option allows a station user encountering a busy directory number (DN) to be notified when the busy station becomes idle and the system automatically redials the same number. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPDelFeatProv.delRAG.**

Table 2–95   A_NT-CS2K_ISN09_DEL_SIP-RAG

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len RAG $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-SCF

The SCF option allows calls that terminate on the line to be forwarded to a remote destination if the number of the originating station matches one of the numbers in the SCF list. This ASDL command remove this option from the assigned line. It is

implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPDelFeatProv.delSCF.**

Table 2–96   A_NT-CS2K_ISN09_DEL_SIP-SCF

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len SCF $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-SCRJ

The SCRJ option allows a subscriber to selectively reject calls arriving from a limited set of previously identified DNs. This ASDL command remove this option from the assigned line. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_ cs2k_sip_isn09.CS2KSIPDelFeatProv.delSCRJ.**

Table 2–97   A_NT-CS2K_ISN09_DEL_SIP-SCRJ

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len SCRJ $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-SCS

The SCS option allows a customer to specify a list of frequently called numbers that the customer can call by dialing a one-digit speed calling code instead of the complete number. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_ sip_isn09.CS2KSIPDelFeatProv.delSCS.**

Table 2–98   A_NT-CS2K_ISN09_DEL_SIP-SCS

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len SCS $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-SUBSCRIBER

Removes services from single-SUBSCRIBER and multiline telephone set directory numbers (DN) and line equipment numbers (LEN). It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPLineProv.delSIPSubscriber.**

Table 2–99   A_NT-CS2K_ISN09_DEL_SIP-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	R
ENDPOINT_LEN	The endpoint or line equipment number	N/A	N/A	S	R
INTERCEPT_NAME	The type of intercept you want. The values are: BLDN, AINT, ANCT, CANN, OPRT, and UNDN. If not provided default is BLDN.	N/A	N/A	S	O
SIP_PASSWD	One of SIP specific parameters. Rules: Have a minimum password length between 4-10. If provided retuned as OLD_SIP_PASSWD for rollback action.	N/A	N/A	S	O

MML commands

MML Syntax :

```
OUT $ <DN> <ENDPOINT_LEN> <INTERCEPT_NAME>
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-SUPPRESS

The SUPPRESS option allows a party to stop directory number (DN) or name from being displayed at call destination. This ASDL command remove this option from the assigned line. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_ cs2k_sip_isn09.CS2KSIPDelFeatProv.delSUPPRESS.**

Table 2–100   A_NT-CS2K_ISN09_DEL_SIP-SUPPRESS

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len SUPPRESS $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-TABLE-DNSCRN

Add a new product subscription. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPLNPProv.deleteSIPTableDNSCRN.**

Table 2–101   A_NT-CS2K_ISN09_DEL_SIP-TABLE-DNSCRN

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Logical NE Name.	N/A	N/A	S	R
DN	Directory Number.	N/A	N/A	S	R
TRIM_DN_FLAG	Trim DN	N/A	Y	S	R

MML commands

MML Syntax :

```
DELETE <DN> $
where
<DN> - Directory Number
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-TABLE-PNSCRN

Add a new product subscription. It is implemented by the Java method
**com.metasolv.cartridge.oss.nt_cs2k_sip_
isn09.CS2KSIPLNPProv.deleteSIPTablePNSCRN.**

Table 2–102   A_NT-CS2K_ISN09_DEL_SIP-TABLE-PNSCRN

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Logical NE Name.	N/A	N/A	S	R
DN	Directory Number.	N/A	N/A	S	R
TRIM_DN_FLAG	Trim DN	N/A	Y	S	R

MML commands

MML Syntax :

```
DELETE <DN> $
where
<DN> - Directory Number
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-WML

The WML option is assigned to lines that route to a predefined DN if no digits are
dialed within a modifiable time-out period. This ASDL command remove this option
from the assigned line. It is implemented by the Java method
com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPDelFeatProv.delWML.

Table 2–103   A_NT-CS2K_ISN09_DEL_SIP-WML

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len WML $
```

Output Parameters
NA

A_NT-CS2K_ISN09_DEL_SIP-WUC

The WUC option allows a subscriber to set a reminder time for the phone to ring. This
ASDL command remove this option from the assigned line. It is implemented by the

Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_
isn09.CS2KSIPDelFeatProv.delWUC.**

Table 2–104   A_NT-CS2K_ISN09_DEL_SIP-WUC

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len WUC $
```

Output Parameters

NA

A_NT-CS2K_ISN09_DEL_SIP-WUCR

The WUCR option allows a subscriber to set a reminder time for the phone to ring. This ASDL command remove this option from the assigned line. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_
isn09.CS2KSIPDelFeatProv.delWUCR.**

Table 2–105   A_NT-CS2K_ISN09_DEL_SIP-WUCR

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

MML commands

MML Syntax :

```
DEO $ dn_or_len WUCR $
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-ACB

ACB allows to call the last station the subscriber called. If the line is busy, ACB monitors the line until it becomes idle and accepts the call. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_
isn09.CS2KSIPChgFeatProv.chgACB.**

Table 2–106   A_NT-CS2K_ISN09_MOD_SIP-ACB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
AUTOMATIC_CALL_ BACK_BILLING_ OPTION	Indicates the specified billing option, when the user assigns CND or COT option to an RES line. Valid values are (AMA=recorded, NOAMA=not recorded, or $.)	N/A	N/A	S	O

MML commands

MML Syntax :

```
CHF $ dn_or_len ACB billing_option $ Y
where billing_option = AMA or NOAMA or $. Default is $.
```

Output Parameters
NA

A_NT-CS2K_ISN09_MOD_SIP-ACB-RB

ACB allows to call the last station the subscriber called. If the line is busy, ACB monitors the line until it becomes idle and accepts the call. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPChgFeatProv.chgACBRB.**

Table 2–107   A_NT-CS2K_ISN09_MOD_SIP-ACB-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_AUTOMATIC_ CALL_BACK_ BILLING_OPTION	Indicates the specified billing option, when the user assigns CND or COT option to an RES line. Valid values are (AMA=recorded, NOAMA=not recorded, or $.)	N/A	N/A	S	O

MML commands

MML Syntax :

```
CHF $ dn_or_len ACB old_billing_option $ Y
where billing_option = AMA or NOAMA or $. Default is $.
```

Output Parameters
NA

A_NT-CS2K_ISN09_MOD_SIP-ACRJ

The Anonymous Caller Rejection (ACRJ) option allows a subscriber to reject incoming calls from callers who block their names or directory numbers (DN). It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPChgFeatProv.chgACRJ.**

Table 2–108   A_NT-CS2K_ISN09_MOD_SIP-ACRJ

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
ANONYMOUS_ CALLER_BLOCKING_ STATUS	Indicate service status, active or inactive.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CHF $ dn_or_len ACRJ status $
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-ACRJ-RB

The Anonymous Caller Rejection (ACRJ) option allows a subscriber to reject incoming calls from callers who block their names or directory numbers (DN). It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPChgFeatProv.chgACRJRB.**

Table 2–109   A_NT-CS2K_ISN09_MOD_SIP-ACRJ-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_ANONYMOUS_ CALLER_BLOCKING_ STATUS	Indicate service status, active or inactive.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CHF $ dn_or_len ACRJ old_status $
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-AUL

The automatic line (AUL) option connects to a set location when a directory number (DN) or an assigned AUL option line reports an off-hook. This ASDL command changes the option parameters of the assigned line. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPChgFeatProv.chgAUL.**

Table 2–110   A_NT-CS2K_ISN09_MOD_SIP-AUL

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
AUTOMATIC_LINE_ DN	Automatic line DN.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CHF $ dn_or_len AUL aul_dn $
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-AUL-RB

The automatic line (AUL) option connects to a set location when a directory number (DN) or an assigned AUL option line reports an off-hook. This ASDL command changes the option parameters of the assigned line. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPChgFeatProv.chgAULRB.**

Table 2–111   A_NT-CS2K_ISN09_MOD_SIP-AUL-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_AUTOMATIC_ LINE_DN	Automatic line DN.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CHF $ dn_or_len AUL old_aul_dn $
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-CFB

The CFB option allows the subscriber to specify a directory number (DN). It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPChgFeatProv.chgCFB.**

Table 2–112   A_NT-CS2K_ISN09_MOD_SIP-CFB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
CALL_FORWARD_BUSY_CNTL	Call forwarding busy Control. F = fixed assignment for CFB N = normal (default) assignment for CFB P = programmed assignment for CFB K = programmed assignment for CFB per key destination.	N/A	N/A	S	R
CALL_FORWARD_BUSY_DN	Call forwarding DN for CFB option	N/A	N/A	S	O
CALL_FORWARD_BUSY_KEYLIST	Key number (1-69), list of key numbers, or $ Appears when the user assigns a subset option to a multi-line set. Specifies key numbers of the DNs to which an option applies	N/A	N/A	C	O

MML commands

MML Syntax :

```
if cfb_ctrl = F or N
CHG $ dn_or_len CFB cfb_ctrl fwd_dn $
if cfb_ctrl = P
CHG $ dn_or_len CFB cfb_ctrl $
if cfb_ctrl = K
CHG $ dn_or_len CFB cfb_ctrl [ keylist ]0..n $
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-CFB-RB

The CFBL option allows the subscriber to specify a directory number (DN). It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPChgFeatProv.chgCFBRB.**

Table 2–113   A_NT-CS2K_ISN09_MOD_SIP-CFB-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_CALL_ FORWARD_BUSY_ CNTL	Call forwarding busy Control. F = fixed assignment for CFB N = normal (default) assignment for CFB P = programmed assignment for CFB K = programmed assignment for CFB per key destination.	N/A	N/A	S	R
OLD_CALL_ FORWARD_BUSY_DN	Call forwarding DN for CFB option	N/A	N/A	S	O
OLD_CALL_ FORWARD_BUSY_ KEYLIST	Key number (1-69), list of key numbers, or $ Appears when the user assigns a subset option to a multi-line set. Specifies key numbers of the DNs to which an option applies	N/A	N/A	C	O

MML commands

MML Syntax :

```
if cfb_ctrl = F or N
CHG $ dn_or_len CFB old_cfb_ctrl old_fwd_dn $
if cfb_ctrl = P
CHG $ dn_or_len CFB old_cfb_ctrl $
if cfb_ctrl = K
CHG $ dn_or_len CFB old_cfb_ctrl [ old_keylist ]0..n $
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-CFD

The Call Forwarding Do Not Answer (CFD) Business option forwards calls not answered to stations in the same customer group. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPChgFeatProv.chgCFD.**

Table 2–114   A_NT-CS2K_ISN09_MOD_SIP-CFD

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

Table 2–114 (Cont.) A_NT-CS2K_ISN09_MOD_SIP-CFD

Parameter Name	Description	Range	Default Value	Type	Class
CALL_FORWARD_ NO_ANSWER_BUS_ CNTL	Call Forwarding Do Not Answer control. F means fixed, N means normal (default), and C means programmed assignment.	N/A	N/A	S	R
CALL_FORWARD_ NO_ANSWER_BUS_ DN	Screening Identifies screening by class of service.	N/A	N/A	S	O
CALL_FORWARD_ NO_ANSWER_BUS_ KEYLIST	The number of calls the system can forward at the same time.	N/A	N/A	C	O

MML commands

MML Syntax :

```
if cfb_ctrl = F or N
CHF $ dn_or_len CFD cfb_ctrl cfbdn [ keylist ]0..n $
if cfb_ctrl = P or K
CHF $ dn_or_len CFD cfb_ctrl [ keylist ]0..n $
```

Output Parameters
NA

A_NT-CS2K_ISN09_MOD_SIP-CFD-RB

The Call Forwarding Do Not Answer (CFD) Business option forwards calls not answered to stations in the same customer group. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPChgFeatProv.chgCFDRB.**

Table 2–115 A_NT-CS2K_ISN09_MOD_SIP-CFD-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_CALL_ FORWARD_NO_ ANSWER_BUS_CNTL	Call Forwarding Do Not Answer control. F means fixed, N means normal (default), and C means programmed assignment.	N/A	N/A	S	R
OLD_CALL_ FORWARD_NO_ ANSWER_BUS_DN	Screening Identifies screening by class of service.	N/A	N/A	S	O
OLD_CALL_ FORWARD_NO_ ANSWER_BUS_ KEYLIST	The number of calls the system can forward at the same time.	N/A	N/A	C	O

MML commands

MML Syntax :

```
if cfb_ctrl = F or N
CHF $ dn_or_len CFD old_cfb_ctrl old_cfbdn [ old_keylist ]0..n $
if cfb_ctrl = P or K
CHF $ dn_or_len CFD old_cfb_ctrl [ old_keylist ]0..n $
```

Output Parameters
NA

A_NT-CS2K_ISN09_MOD_SIP-CFDVT

The Call Forwarding Do Not Answer Variable Timer (CFDVT) option allowsan end-user to specify how long a call rings before the system forwards the call to another station. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_ sip_isn09.CS2KSIPChgFeatProv.chgCFDVT.**

Table 2–116   A_NT-CS2K_ISN09_MOD_SIP-CFDVT

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
CALL_FORWARD_ NO_ANSWER_VAR_ RING_CTRL	Ring control. Enter PRGRING to allow end-user to set CVDVT time-out period. Enter FIXRING to indicate to end-user that the CVDVT time-out period is fixed; it can only be changed by the operating company.	N/A	N/A	S	R
CALL_FORWARD_ NO_ANSWER_VAR_ TIME	Call forward do not answer timing. The time, in seconds, that a call rings before the system forwards the call to the next DN. Value 0-60.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CHF $ dn_or_len CFDVT time ring_ctrl $
```

Output Parameters
NA

A_NT-CS2K_ISN09_MOD_SIP-CFDVT-RB

The Call Forwarding Do Not Answer Variable Timer (CFDVT) option allowsan end-user to specify how long a call rings before the system forwards the call to another station. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_ sip_isn09.CS2KSIPChgFeatProv.chgCFDVTRB.**

Table 2–117   A_NT-CS2K_ISN09_MOD_SIP-CFDVT-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_CALL_ FORWARD_NO_ ANSWER_VAR_ RING_CTRL	Ring control. Enter PRGRING to allow end-user to set CVDVT time-out period. Enter FIXRING to indicate to end-user that the CVDVT time-out period is fixed; it can only be changed by the operating company.	N/A	N/A	S	R
OLD_CALL_ FORWARD_NO_ ANSWER_VAR_TIME	Call forward do not answer timing. The time, in seconds, that a call rings before the system forwards the call to the next DN. Value 0-60.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CHF $ dn_or_len CFDVT old_time old_ring_ctrl $
```

Output Parameters
NA

A_NT-CS2K_ISN09_MOD_SIP-CFU

The CFU option allows a station user to reroute incoming calls to another telephone number. This number can be in the MDC customer group, the local calling area, or a foreign exchange. The user can also forward the call to an attendant. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPChgFeatProv.chgCFU.**

Table 2–118   A_NT-CS2K_ISN09_MOD_SIP-CFU

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
CALL_FORWARD_ UNIVERSAL_KEYLIST	Appears when the user assigns a subset option to a multi-line set. Specifies the key numbers of the DNs to which an option will apply. Key number (1-69), list of key numbers, or $.	N/A	N/A	C	O
CALL_FORWARD_ UNIVERSAL_ OVRDACR	Override for account code required.Y = Yes, N = No.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CHF $ dn_or_len CFU override_acc $
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-CFU-RB

The CFU option allows a station user to reroute incoming calls to another telephone number. This number can be in the MDC customer group, the local calling area, or a foreign exchange. The user can also forward the call to an attendant. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPChgFeatProv.chgCFURB.**

Table 2–119   A_NT-CS2K_ISN09_MOD_SIP-CFU-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_CALL_ FORWARD_ UNIVERSAL_KEYLIST	Appears when the user assigns a subset option to a multi-line set. Specifies the key numbers of the DNs to which an option will apply. Key number (1-69), list of key numbers, or $.	N/A	N/A	C	O
OLD_CALL_ FORWARD_ UNIVERSAL_ OVRDACR	Override for account code required.Y = Yes, N = No.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CHF $ dn_or_len CFU old_override_acc $
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-CUSTGRP

The CHG command changes customer Group (CUSTGRP). It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPChgLineParam.modCUSTGRP.**

Table 2–120   A_NT-CS2K_ISN09_MOD_SIP-CUSTGRP

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
ENDPOINT_LEN	The endpoint or line equipment number	N/A	N/A	S	O
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
GROUP	Custumer Group	N/A	N/A	S	R

MML commands

MML Syntax :

```
CHG $ LINE dn_or_len CUST new_cust
```

Output Parameters
NA

A_NT-CS2K_ISN09_MOD_SIP-CUSTGRP-RB

The CHG command changes customer Group (CUSTGRP). It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPChgLineParam.modCUSTGRPRB.**

Table 2–121   A_NT-CS2K_ISN09_MOD_SIP-CUSTGRP-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
ENDPOINT_LEN	The endpoint or line equipment number	N/A	N/A	S	O
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
OLD_GROUP	Custumer Group	N/A	N/A	S	R

MML commands

MML Syntax :

```
CHG $ LINE dn_or_len CUST old_cust
```

Output Parameters
NA

A_NT-CS2K_ISN09_MOD_SIP-DN

The CDN command changes directory numbers (DN). It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPChgLineParam.modDN.**

Table 2–122   A_NT-CS2K_ISN09_MOD_SIP-DN

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	R
NEW_DN	Enter the new DN that replaces the previous DN.	N/A	N/A	S	R
INTERCEPT_NAME	The type of intercept you want. The values are: BLDN, AINT, ANCT, CANN, OPRT, and UNDN.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CDN $ old_dn new_dn intercept_name
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-DN-RB

The CDN command changes directory numbers (DN). It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPChgLineParam.modDNRB.**

Table 2–123   A_NT-CS2K_ISN09_MOD_SIP-DN-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	R
NEW_DN	Enter the new DN that replaces the previous DN.	N/A	N/A	S	R
OLD_INTERCEPT_ NAME	The type of intercept you want. The values are: BLDN, AINT, ANCT, CANN, OPRT, and UNDN.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CDN $ new_dn old_dn intercept_name
```

Output Parameters
NA

A_NT-CS2K_ISN09_MOD_SIP-DNH

The Directory Number Hunt (DNH) option allows directory number hunting. Each line in the hunt group has a directory number (DN). It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPChgFeatProv.chgDNH.**

Table 2–124   A_NT-CS2K_ISN09_MOD_SIP-DNH

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
DIRECTORY_ NUMBER_HUNT_DN	DN of a new member to be added to a hunt group. This prompt appears when the A DD command is used.	N/A	N/A	S	O
DIRECTORY_ NUMBER_HUNT_ GROUPSIZE	Hunt group size. The expected maximum size of the hunt group.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CHF $ dn_or_len DNH link_dn groupsize $
```

Output Parameters
NA

A_NT-CS2K_ISN09_MOD_SIP-DNH-RB

The Directory Number Hunt (DNH) option allows directory number hunting. Each line in the hunt group has a directory number (DN). It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPChgFeatProv.chgDNHRB.**

Table 2–125   A_NT-CS2K_ISN09_MOD_SIP-DNH-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_DIRECTORY_ NUMBER_HUNT_DN	DN of a new member to be added to a hunt group. This prompt appears when the A DD command is used.	N/A	N/A	S	O
OLD_DIRECTORY_ NUMBER_HUNT_ GROUPSIZE	Hunt group size. The expected maximum size of the hunt group.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CHF $ dn_or_len DNH old_link_dn old_groupsize $
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-DPL

DPL is the flag for a dynamic packet line. It includes the maximum number of simultaneous sessions allowed for the subscriber. This data is proxied to the CS2000 Core and is visible as read-only data in table IBNFEAT. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPChgFeatProv.chgDPL.**

Table 2–126   A_NT-CS2K_ISN09_MOD_SIP-DPL

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
DYNAMIC_PACKET_ LINE_LINE_OPTION	The sub-option enables the DPL to act as a SIP line, and is set to Y. Data Type: Boolean Possible values: Y, N.	N/A	N/A	S	O
DYNAMIC_PACKET_ LINE_MAX_NUM_ SESSIONS	The maximum number of simultaneous sessions allowed for the subscriber. Default value: 10. Data Type: Integer. Range: 1-10	N/A	N/A	S	O

MML commands

MML Syntax :

```
CHF $ dn_or_len DPL line_option max_num_sessions $
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-DPL-RB

DPL is the flag for a dynamic packet line. It includes the maximum number of simultaneous sessions allowed for the subscriber. This data is proxied to the CS2000 Core and is visible as read-only data in table IBNFEAT. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPChgFeatProv.chgDPLRB.**

Table 2–127   A_NT-CS2K_ISN09_MOD_SIP-DPL-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_DYNAMIC_ PACKET_LINE_LINE_ OPTION	The sub-option enables the DPL to act as a SIP line, and is set to Y. Data Type: Boolean Possible values: Y, N.	N/A	N/A	S	O
OLD_DYNAMIC_ PACKET_LINE_MAX_ NUM_SESSIONS	The maximum number of simultaneous sessions allowed for the subscriber. Default value: 10. Data Type: Integer. Range: 1-10	N/A	N/A	S	O

MML commands

MML Syntax :

```
CHF $ dn_or_len DPL old_line_option old_max_num_sessions $
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-MWT

The MWT option allows a message center to inform a user that there is a message. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPChgFeatProv.chgMWT.**

Table 2–128   A_NT-CS2K_ISN09_MOD_SIP-MWT

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
MESSAGE_WAITING_ INDICATOR_NOTICE	Message waiting notification.STD = stuttered dialtoneMWL = message waiting lampCMWI = CLASS message waiting indicatorPRN = periodic ring notification.	N/A	N/A	S	O

Table 2–128   (Cont.) A_NT-CS2K_ISN09_MOD_SIP-MWT

Parameter Name	Description	Range	Default Value	Type	Class
MESSAGE_WAITING_ INDICATOR_ CMWISTD	When CMWISTD is set to Y, subscribers are allowed to dial an access code to activate or deactivate stuttered dial tone.Y = stuttered dial tone is activated.N = No stuttered dial tone.	N/A	N/A	S	O
MESSAGE_WAITING_ INDICATOR_ CMWIRING	When CMWIRING is set to Y, subscribers can dial an access code. This code allows the subscriber to activate or deactivate ringing that precedes a lamp activation message.	N/A	N/A	S	O
MESSAGE_WAITING_ INDICATOR_STATUS	When the CMWIRING is set to UDLC, the system does not prompt for the status field.	N/A	N/A	S	O
MESSAGE_WAITING_ INDICATOR_CAR	Call request option.	N/A	N/A	S	R
MESSAGE_WAITING_ INDICATOR_ CRRCFW	Call request retrieve call forwarding. Specifies how the system handles forwarding if a subscriber activates Call request retrieve (CRR) to return a call to the subscriber that left the message. Note: The CRRCFW is required only if CAR is set to Y.	N/A	N/A	S	O
MESSAGE_WAITING_ INDICATOR_CRX	Call request not required.	N/A	N/A	S	R

MML commands

MML Syntax :

```
notice=CMWI
CHF $ dn_or_len MWT notice act_stuttered_dt act_ring_burst status cr_option cr_
call_fwd
cr_req $
notice=PRN
CHF $ dn_or_len MWT notice irn status cr_option cr_call_fwd cr_req $
notice=STD
CHF $ dn_or_len MWT notice cr_option cr_call_fwd cr_req $
cr_call_fwd is required when cr_option = Y
```

Output Parameters
NA

A_NT-CS2K_ISN09_MOD_SIP-MWT-RB

The MWT option allows a message center to inform a user that there is a message. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPChgFeatProv.chgMWTRB.**

Table 2–129   A_NT-CS2K_ISN09_MOD_SIP-MWT-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_MESSAGE_ WAITING_ INDICATOR_NOTICE	Message waiting notification.STD = stuttered dialtoneMWL = message waiting lampCMWI = CLASS message waiting indicatorPRN = periodic ring notification.	N/A	N/A	S	O
OLD_MESSAGE_ WAITING_ INDICATOR_ CMWISTD	When CMWISTD is set to Y, subscribers are allowed to dial an access code to activate or deactivate stuttered dial tone.Y = stuttered dial tone is activated.N = No stuttered dial tone.	N/A	N/A	S	O
OLD_MESSAGE_ WAITING_ INDICATOR_ CMWIRING	When CMWIRING is set to Y, subscribers can dial an access code. This code allows the subscriber to activate or deactivate ringing that precedes a lamp activation message.	N/A	N/A	S	O
OLD_MESSAGE_ WAITING_ INDICATOR_STATUS	When the CMWIRING is set to UDLC, the system does not prompt for the status field.	N/A	N/A	S	O
OLD_MESSAGE_ WAITING_ INDICATOR_CAR	Call request option.	N/A	N/A	S	R
OLD_MESSAGE_ WAITING_ INDICATOR_ CRRCFW	Call request retrieve call forwarding. Specifies how the system handles forwarding if a subscriber activates Call request retrieve (CRR) to return a call to the subscriber that left the message. Note: The CRRCFW is required only if CAR is set to Y.	N/A	N/A	S	O
OLD_MESSAGE_ WAITING_ INDICATOR_CRX	Call request not required.	N/A	N/A	S	R

MML commands

MML Syntax :

```
notice=CMWI
CHF $ dn_or_len MWT old_notice old_act_stuttered_dt old_act_ring_burst old_status
old_cr_option old_cr_call_fwd old_cr_req $notice=PRN
CHF $ dn_or_len MWT old_notice old_status old_cr_option old_cr_call_fwd old_cr_req
$
notice=STD
CHF $ dn_or_len MWT old_notice old_cr_option old_cr_call_fwd old_cr_req $
cr_call_fwd is required when cr_option = Y
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-NCOS

The CHG command changes NCOS. It is implemented by the Java method
com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPChgLineParam.modNCOS.

Table 2–130   A_NT-CS2K_ISN09_MOD_SIP-NCOS

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
ENDPOINT_LEN	The endpoint or line equipment number	N/A	N/A	S	O
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
NCOS	New network class of service.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CHG LINE dn_or_len NCOS new_ncos
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-NCOS-RB

The CHG command changes NCOS. It is implemented by the Java method
**com.metasolv.cartridge.oss.nt_cs2k_sip_
isn09.CS2KSIPChgLineParam.modNCOSRB.**

Table 2–131   A_NT-CS2K_ISN09_MOD_SIP-NCOS-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
ENDPOINT_LEN	The endpoint or line equipment number	N/A	N/A	S	O
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
OLD_NCOS	New network class of service.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CHG LINE dn_or_len NCOS old_ncos
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-SCF

The SCF option allows calls that terminate on the line to be forwarded to a remote destination if the number of the originating station matches one of the numbers in the SCF list. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPChgFeatProv.chgSCF.**

Table 2–132   A_NT-CS2K_ISN09_MOD_SIP-SCF

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
SELECTIVE_CALL_ FORWARDING_ STATUS	INACT indicates the option is not turned on (inactive);ACT indicates the option is turned on (active); UNIVI indicates universal access via customer interface inactive, and UNIVA indicates universal access via customer interface active.	N/A	N/A	S	R
SELECTIVE_CALL_ FORWARDING_ BILLING_OPTION	NOAMA indicates that the feature is billed based on a subscription; AMA indicates that the feature is billed based on usage, in which case an AMA billing record is generated for each SLE session.	N/A	N/A	S	O
SELECTIVE_CALL_ FORWARDING_DNS	Directory number to be added to the SCF list. If a user does not send any value for SELECTIVE_CALL_ FORWARDING_DNS[1] system will assume that value is $.	N/A	N/A	C	O
SELECTIVE_CALL_ FORWARDING_ VBCOUNT	Number of digits voiced back during SCA list review.	N/A	N/A	C	O
SELECTIVE_CALL_ FORWARDING_FDN	Number to which calls will be forwarded.	N/A	N/A	S	O
SELECTIVE_CALL_ FORWARDING_ SCRNCL	Screening by class of service.	N/A	N/A	S	O
SELECTIVE_CALL_ FORWARDING_ NUMCALLS	LINE to which calls will be forwarded.	N/A	N/A	S	R
SELECTIVE_CALL_ FORWARDING_ RINGREM	LINE to which calls will be forwarded.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CHF $ dn_or_len SCF billing_option status [dns vbcount ] 0...n $ fwd_dn scrncl
```

```
num_call
ring_rem $ Y
where billing_option = AMA or NOAMA or $. Default is $. scrncl is optional.
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-SCF-RB

The SCF option allows calls that terminate on the line to be forwarded to a remote destination if the number of the originating station matches one of the numbers in the SCF list. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPChgFeatProv.chgSCFRB.**

Table 2–133   A_NT-CS2K_ISN09_MOD_SIP-SCF-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_SELECTIVE_ CALL_ FORWARDING_ STATUS	INACT indicates the option is not turned on (inactive);ACT indicates the option is turned on (active); UNIVI indicates universal access via customer interface inactive, and UNIVA indicates universal access via customer interface active.	N/A	N/A	S	R
OLD_SELECTIVE_ CALL_ FORWARDING_ BILLING_OPTION	NOAMA indicates that the feature is billed based on a subscription; AMA indicates that the feature is billed based on usage, in which case an AMA billing record is generated for each SLE session.	N/A	N/A	S	O
OLD_SELECTIVE_ CALL_ FORWARDING_DNS	Directory number to be added to the SCF list. If a user does not send any value for SELECTIVE_CALL_ FORWARDING_DNS[1] system will assume that value is $.	N/A	N/A	C	O
OLD_SELECTIVE_ CALL_ FORWARDING_ VBCOUNT	Number of digits voiced back during SCA list review.	N/A	N/A	C	O
OLD_SELECTIVE_ CALL_ FORWARDING_FDN	Number to which calls will be forwarded.	N/A	N/A	S	O

Table 2–133   (Cont.) A_NT-CS2K_ISN09_MOD_SIP-SCF-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_SELECTIVE_ CALL_ FORWARDING_ SCRNCL	Screening by class of service.	N/A	N/A	S	O
OLD_SELECTIVE_ CALL_ FORWARDING_ NUMCALLS	LINE to which calls will be forwarded.	N/A	N/A	S	R
OLD_SELECTIVE_ CALL_ FORWARDING_ RINGREM	LINE to which calls will be forwarded.	N/A	N/A	S	R

MML commands

MML Syntax :

```
CHF $ dn_or_len SCF old_billing_option old_status [old_dns old_vbcount ] 0...n $
old_fwd_dn old_scrncl old_num_call old_ring_rem $ Y
where billing_option = AMA or NOAMA or $. Default is $. scrncl is optional.
```

Output Parameters

NAThis method will do:

1. Initialize generic data

2. Get the connection reference

3. Get the network element ID

4. Enable the response log

5. Get the work order parameters and build the ASAP Parameter objects passing the parameter label and value

6. Build the provisioning command with a specific action type and append parameter objects to the command

7. Convert the command to a string

8. send the command to the switch

9. Obtain the NE response

10. Exit with the appropriate user defined -? base exit type.

11. In the case when basic exit type is FAIL, the cartridge is returning ERRORINFO parameter to the SARM.

A_NT-CS2K_ISN09_MOD_SIP-SCRJ

The SCRJ option allows a subscriber to selectively reject calls arriving from a limited set of previously identified DNs. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPChgFeatProv.chgSCRJ.**

Table 2–134   A_NT-CS2K_ISN09_MOD_SIP-SCRJ

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
SELECTIVE_CALL_ BLOCKING_STATUS	INACT indicates the option is not turned on (inactive);ACT indicates the option is turned on (active); UNIVI indicates universal access via customer interface inactive, and UNIVA indicates universal access via customer interface active.	N/A	N/A	S	R
SELECTIVE_CALL_ BLOCKING_BILLING_ OPTION	NOAMA indicates that the feature is billed based on a subscription; AMA indicates that the feature is billed based on usage, in which case an AMA billing record is generated for each SLE session.	N/A	N/A	S	O
SELECTIVE_CALL_ BLOCKING_DNS	Directory number to be added to the SCRJ list. If a user does not send any value for SELECTIVE_CALL_ BLOCKING_DNS[1] system will assume that value is $.	N/A	N/A	C	O
SELECTIVE_CALL_ BLOCKING_ VBCOUNT	Number of digits voiced back during SCA list review.	N/A	N/A	C	O

MML commands

MML Syntax :

```
CHF $ dn_or_len SCRJ billing_option status [dns vbcount ] 0...n $ $ Y
where billing_option = AMA or NOAMA or $. Default is $.
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-SCRJ-RB

The SCRJ option allows a subscriber to selectively reject calls arriving from a limited set of previously identified DNs. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPChgFeatProv.chgSCRJRB.**

Table 2–135   A_NT-CS2K_ISN09_MOD_SIP-SCRJ-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_SELECTIVE_ CALL_BLOCKING_ STATUS	INACT indicates the option is not turned on (inactive);ACT indicates the option is turned on (active); UNIVI indicates universal access via customer interface inactive, and UNIVA indicates universal access via customer interface active.	N/A	N/A	S	R
OLD_SELECTIVE_ CALL_BLOCKING_ BILLING_OPTION	NOAMA indicates that the feature is billed based on a subscription; AMA indicates that the feature is billed based on usage, in which case an AMA billing record is generated for each SLE session.	N/A	N/A	S	O
OLD_SELECTIVE_ CALL_BLOCKING_ DNS	Directory number to be added to the SCRJ list. If a user does not send any value for SELECTIVE_CALL_ BLOCKING_DNS[1] system will assume that value is $.	N/A	N/A	C	O
OLD_SELECTIVE_ CALL_BLOCKING_ VBCOUNT	Number of digits voiced back during SCA list review.	N/A	N/A	C	O

MML commands

MML Syntax :

```
CHF $ dn_or_len SCRJ old_billing_option old_status [old_dns old_vbcount ] 0...n $
$
where billing_option = AMA or NOAMA or $. Default is $.
Nortel CS2K ISN09 SIP (Session Initiation Protocol) Cartridge Guide 157
Chapter 3: Atomic Service Description Layer (ASDL) Commands
```

Output Parameters
NA

A_NT-CS2K_ISN09_MOD_SIP-SUBSCRIBER

This command modifies service for single-SUBSCRIBER and multiline telephone sets that are not assigned. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPLineProv.modSIPSubscriber.**

Table 2–136   A_NT-CS2K_ISN09_MOD_SIP-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	The SIP directory number	N/A	N/A	S	O
ENDPOINT_LEN	The endpoint or line equipment number	N/A	N/A	S	O
SIP_PACKAGE	One of SIP specific parameters is of package Data Type: Up to 60 characters	N/A	N/A	S	R
SIP_URI	One of SIP specific parameters is of uri Data Type: Up to 60 characters	N/A	N/A	S	R
SIP_CLIENT_TYPE	One of SIP specific parameters is of client type	N/A	N/A	S	R
SIP_LOCATION	One of SIP specific parameters is location	N/A	N/A	S	R
SIP_PASSWD	One of SIP specific parameters is of Password.Rules: Have a minimum password length between 4-10 Have a minimum of 0 to 10 numerical characters, Have a minimum of 0 to 10 non-numerical characters.	N/A	N/A	S	R
SIP_SUBDOMAIN	One of SIP specific parameters is subdomain	N/A	N/A	S	R
LINE_OPTION	The sub-option enables the DPL to act as a SIP line, and is set to Y Data Type: Boolean Possible values: Y, N	N/A	N/A	S	O
MAX_NUM_SESSIONS	The maximum number of simultaneous sessions allowed for the subscriber. Default value: 10. Data Type: Integer Range: 1-10	N/A	N/A	S	O
OPT	The Line options Default value: DGT	N/A	N/A	C	O
IS_OPTIMIZED	A flag to indicate MML optimazation of the command. The values are false and true.	N/A	true	S	O

MML commands

MML Syntax :

```
CHF $ <DN> or <ENDPOINT_LEN> SIP_DATA SIP_PACKAGE <SIP_PACKAGE>
SIP_URI <SIP_URI> SIP_CLIENT_TYPE <SIP_CLIENT_TYPE> SIP_LOCATION
<SIP_LOCATION>
SIP_PASSWD <SIP_PASSWD> SIP_SUBDOMAIN <SIP_SUBDOMAIN> $ DPL
[<LINE_OPTION>] [<MAX_NUM_SESSIONS>] <OPTIONS[x]> $
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-SUBSCRIBER-RB

This command modifies service for single-SUBSCRIBER and multiline telephone sets that are not assigned. It is implemented by the Java method

com.metasolv.cartridge.oss.nt_cs2k_sip_
isn09.CS2KSIPLineProv.modSIPSubscriberRB.

Table 2–137   A_NT-CS2K_ISN09_MOD_SIP-SUBSCRIBER-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
OLD_DN	The SIP directory number	N/A	N/A	S	R
OLD_ENDPOINT_LEN	The endpoint or line equipment number	N/A	N/A	S	R
OLD_SIP_PACKAGE	One of SIP specific parameters is of package Data Type: Up to 60 characters	N/A	N/A	S	R
OLD_SIP_URI	One of SIP specific parameters is of uri Data Type: Up to 60 characters	N/A	N/A	S	R
OLD_SIP_CLIENT_TYPE	One of SIP specific parameters is of client type	N/A	N/A	S	R
OLD_SIP_LOCATION	One of SIP specific parameters is location	N/A	N/A	S	R
OLD_SIP_PASSWD	One of SIP specific parameters is Password.Rules: Have a minimum password length between 4-10 Have a minimum of 0 to 10 numerical characters.	N/A	N/A	S	R
OLD_SIP_SUBDOMAIN	One of SIP specific parameters is subdomain	N/A	N/A	S	R
OLD_LINE_OPTION	The sub-option enables the DPL to act as a SIP line, and is set to Y Data Type: Boolean Possible values: Y, N	N/A	N/A	S	O
OLD_MAX_NUM_SESSIONS	The maximum number of simultaneous sessions allowed for the subscriber. Default value: 10. Data Type: Integer Range: 1-10	N/A	N/A	S	O
OLD_OPT	The Line options Default value: DGT	N/A	N/A	C	O
IS_OPTIMIZED	A flag to indicate MML optimazation of the command. The values are false and true.	N/A	true	S	O

MML commands

MML Syntax :

```
CHF $ <DN> or <ENDPOINT_LEN> SIP_DATA SIP_PACKAGE <SIP_PACKAGE>
SIP_URI <SIP_URI> SIP_CLIENT_TYPE <SIP_CLIENT_TYPE> SIP_LOCATION
<SIP_LOCATION>
SIP_PASSWD <SIP_PASSWD> SIP_SUBDOMAIN <SIP_SUBDOMAIN> $ DPL
[<LINE_OPTION>] [<MAX_NUM_SESSIONS>] <OPTIONS[x]> $
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-SUPPRESS

The SUPPRESS option allows a party to stop directory number (DN) or name from being displayed at call destination. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPChgFeatProv.chgSUPPRESS.**

Table 2–138   A_NT-CS2K_ISN09_MOD_SIP-SUPPRESS

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
ANONYMOUS_ CALLER_NETNAME	Network name shown as DN attribute.	N/A	N/A	C	O
ANONYMOUS_ CALLER_SUPPRESS_ DN	Enter Y to suppress the display of the DN; enter N if no suppression is required. Suppresses the display of the DN.	N/A	N/A	C	O
ANONYMOUS_ CALLER_SUPPRESS_ NAME	Enter Y to suppress the display of the station name; enter N if no suppression is required. Suppresses the display of the station name.	N/A	N/A	C	O

MML commands

MML Syntax :

```
CHF $ dn_or_len SUPPRESS [ netname suppress_dn suppress_name ]0..n $ $
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-SUPPRESS-RB

The SUPPRESS option allows a party to stop directory number (DN) or name from being displayed at call destination. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPChgFeatProv.chgSUPPRESSRB.**

Table 2–139   A_NT-CS2K_ISN09_MOD_SIP-SUPPRESS-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O

Table 2–139   (Cont.) A_NT-CS2K_ISN09_MOD_SIP-SUPPRESS-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_ANONYMOUS_ CALLER_NETNAME	Network name shown as DN attribute.	N/A	N/A	C	O
OLD_ANONYMOUS_ CALLER_SUPPRESS_ DN	Enter Y to suppress the display of the DN; enter N if no suppression is required. Suppresses the display of the DN.	N/A	N/A	C	O
OLD_ANONYMOUS_ CALLER_SUPPRESS_ NAME	Enter Y to suppress the display of the station name; enter N if no suppression is required. Suppresses the display of the station name.	N/A	N/A	C	O

MML commands

MML Syntax :

```
CHF $ dn_or_len SUPPRESS [ netname suppress_dn suppress_name ]0..n $ $
```

A_NT-CS2K_ISN09_MOD_SIP-TABLE-DNSCRN

Add a new product subscription. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPLNPProv.changeSIPTableDNSCRN.**

Table 2–140   A_NT-CS2K_ISN09_MOD_SIP-TABLE-DNSCRN

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Logical NE Name.	N/A	N/A	S	R
DN	Directory Number.	N/A	N/A	S	R
CUSTGRP	Customer Group.	N/A	N/A	S	O
NCOS	Network Class of Service.	N/A	N/A	S	O
CLISERV	CLI service.	N/A	N/A	S	O
TRIM_DN_FLAG	Trim DN	N/A	Y	S	R

MML commands

MML Syntax :

```
REPLACE <DN> [CUSTINFO <CUSTGRP> <NCOS>] [CLISERV <CLISERV>] $
where
<DN> - Directory Number
<CUSTGRP> - Customer Group. Alphanumeric (1 to 16 characters)
<NCOS> - Network Class of Service. NCOS associated with CUSTGRP. 1-511
<CLISERV> - CLI service. Numeric 0-32766
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-TABLE-DNSCRN-RB

Add a new product subscription. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPLNPProv.changeSIPTableDNSCRNRB.**

Table 2–141   A_NT-CS2K_ISN09_MOD_SIP-TABLE-DNSCRN-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Logical NE Name.	N/A	N/A	S	R
DN	Directory Number.	N/A	N/A	S	R
OLD_CUSTGRP	Customer Group.	N/A	N/A	S	O
OLD_NCOS	Network Class of Service.	N/A	N/A	S	O
OLD_CLISERV	CLI service.	N/A	N/A	S	O
TRIM_DN_FLAG	Trim DN	N/A	Y	S	R

MML commands

MML Syntax :

```
REPLACE <DN> [CUSTINFO <CUSTGRP> <NCOS>] [CLISERV <CLISERV>] $
where
<DN> - Directory Number
<CUSTGRP> - Customer Group. Alphanumeric (1 to 16 characters)
<NCOS> - Network Class of Service. NCOS associated with CUSTGRP. 1-511
<CLISERV> - CLI service. Numeric 0-32766
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-TABLE-PNSCRN

Add a new product subscription. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPLNPProv.changeSIPTablePNSCRN.**

Table 2–142   A_NT-CS2K_ISN09_MOD_SIP-TABLE-PNSCRN

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Logical NE Name.	N/A	N/A	S	R
DN	Directory Number.	N/A	N/A	S	R
PORT_TYPE	Port Type.	N/A	N/A	S	R
NIC	Network ID Code	N/A	N/A	S	R
OPTION	Option. Write as OPTION[i], where i = 1..n	N/A	N/A	C	O
TRIM_DN_FLAG	Trim DN	N/A	Y	S	R

MML commands

MML Syntax :

```
REPLACE <DN> <PORT_TYPE> <NIC> <OPTION[i]> | $
where
<DN>:directory number
<PORT_TYPE>:PORTEDIN, PORTEDACR or PORTEDOUT
<NIC>:network ID code
<OPTION[i]>:options, where i=1..n
If OPTION[i] = REPLACE, then
OPTION[i].REP_DIGS OPTION[i].ROUT_NUM
should be provided.
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-TABLE-PNSCRN-RB

Add a new product subscription. It is implemented by the Java method
**com.metasolv.cartridge.oss.nt_cs2k_sip_
isn09.CS2KSIPLNPProv.changeSIPTablePNSCRNRB.**

Table 2–143   A_NT-CS2K_ISN09_MOD_SIP-TABLE-PNSCRN-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Logical NE Name.	N/A	N/A	S	R
DN	Directory Number.	N/A	N/A	S	R
OLD_PORT_TYPE	Port Type.	N/A	N/A	S	R
OLD_NIC	Network ID Code	N/A	N/A	S	R
OLD_OPTION	Option. Write as OPTION[i], where i = 1..n	N/A	N/A	C	O
TRIM_DN_FLAG	Trim DN	N/A	Y	S	R

MML commands

MML Syntax :

```
REPLACE <DN> <PORT_TYPE> <NIC> <OPTION[i]> | $
where
<DN>:directory number
<PORT_TYPE>:PORTEDIN, PORTEDACR or PORTEDOUT
<NIC>:network ID code
<OPTION[i]>:options, where i=1..n
If OPTION[i] = REPLACE, then
OPTION[i].REP_DIGS OPTION[i].ROUT_NUM
should be provided.
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-WML

The WML option is assigned to lines that route to a predefined DN if no digits are dialed within a modifiable time-out period. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPChgFeatProv.chgWML.**

Table 2–144   A_NT-CS2K_ISN09_MOD_SIP-WML

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
WARM_LINE_ CUSTMOD	Specifies whether a customer can change the DN to which a call is forwarded when the WML time-out expires.	N/A	N/A	S	R
WARM_LINE_ ACTIVE	Specifies whether the option is active.	N/A	N/A	S	R
WARM_LINE_ TIMEOUT	Specifies the ENDPOINT_LENgth of time in seconds before an unanswered call is automatically forwarded.	N/A	N/A	S	R
WARM_LINE_ FTCODE	Enter Y to allow subscriber to dial octothorpe (#) to access MDC features. Enter N to allow subscriber to dial # to override Warm Line feature timer. FTCODE is prompted when office parameter WML_OCT_IS_LINE_OPT_ PARM is set to Y.	N/A	N/A	S	O
WARM_LINE_DN	Specifies the DN to which a call is forwarded when the WML expires.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CHF $ dn_or_len WML cust_mod_dn act_option wml_dn timeout ftcode $
where ftcode is optional.
```

Output Parameters

NA

A_NT-CS2K_ISN09_MOD_SIP-WML-RB

The WML option is assigned to lines that route to a predefined DN if no digits are dialed within a modifiable time-out period. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_isn09.CS2KSIPChgFeatProv.chgWMLRB.**

Table 2–145   A_NT-CS2K_ISN09_MOD_SIP-WML-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
OLD_WARM_LINE_ CUSTMOD	Specifies whether a customer can change the DN to which a call is forwarded when the WML time-out expires.	N/A	N/A	S	R
OLD_WARM_LINE_ ACTIVE	Specifies whether the option is active.	N/A	N/A	S	R
OLD_WARM_LINE_ TIMEOUT	Specifies the ENDPOINT_LENgth of time in seconds before an unanswered call is automatically forwarded.	N/A	N/A	S	R
OLD_WARM_LINE_ FTCODE	Enter Y to allow subscriber to dial octothorpe (#) to access MDC features. Enter N to allow subscriber to dial # to override Warm Line feature timer. FTCODE is prompted when office parameter WML_OCT_IS_LINE_OPT_ PARM is set to Y.	N/A	N/A	S	O
OLD_WARM_LINE_ DN	Specifies the DN to which a call is forwarded when the WML expires.	N/A	N/A	S	O

MML commands

MML Syntax :

```
CHF $ dn_or_len WML cust_mod_dn act_option wml_dn timeout ftcode $
where ftcode is optional.
```

Output Parameters

NA

A_NT-CS2K_ISN09_QRY_SIP-DN

Retrieves information about the system and services associated with wireline or wireless subscriber, based on the directory number (DN). It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPQryProv.qrySIPSubscriberDN.**

Table 2–146   A_NT-CS2K_ISN09_QRY_SIP-DN

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O

MML commands

MML Syntax :

```
QDN < DN>
```

Output Parameters
OLD_DN

OLD_LCC

OLD_GROUP

OLD_SUBGROUP

OLD_NCOS

OLD_ENDPOINT_LEN

OLD_SIP_PACKAGE

OLD_SIP_URI

OLD_SIP_CLIENT_TYPE

OLD_SIP_LOCATION

OLD_SIP_SUBDOMAIN

OLD_LINE_OPTION

OLD_MAX_NUM_SESSIONS

OLD_OPT[x]

A_NT-CS2K_ISN09_QRY_SIP-LEN

Command QLEN generates a printout of line data related to a specified line equipment number (LEN) or directory number (DN). It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPQryProv.qrySIPSubscriberLEN.**

Table 2–147   A_NT-CS2K_ISN09_QRY_SIP-LEN

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The name of the host NE.	N/A	N/A	S	R
ENDPOINT_LEN	The endpoint or line equipment number	N/A	N/A	S	O
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O

MML commands

MML Syntax :

```
QDN < ENDPOINT_LEN>
```

Output Parameters

The following parameters are returned on success for rollback:

OLD_DN

OLD_LCC

OLD_GROUP

OLD_SUBGROUP

OLD_NCOS

OLD_ENDPOINT_LEN

OLD_SIP_PACKAGE

OLD_SIP_URI

OLD_SIP_CLIENT_TYPE

OLD_SIP_LOCATION

OLD_SIP_SUBDOMAIN

OLD_LINE_OPTION

OLD_MAX_NUM_SESSIONS

OLD_OPT[x]

User should provide OLD_LTG and OLD_PASSWORD parameters for the rollback.

A_NT-CS2K_ISN09_QRY_SIP-TABLE-DNSCRN

Add a new product subscription. It is implemented by the Java method **com.metasolv.cartridge.oss.nt_cs2k_sip_ isn09.CS2KSIPLNPProv.querySIPTableDNSCRN.**

Table 2–148   A_NT-CS2K_ISN09_QRY_SIP-TABLE-DNSCRN

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Logical NE Name.	N/A	N/A	S	R
DN	Directory Number.	N/A	N/A	S	R
TRIM_DN_FLAG	Trim DN	N/A	Y	S	R

MML commands

MML Syntax :

```
POS <DN> $
where
<DN> - Directory Number
```

Output Parameters

CSDL return parameters:

OLD DN

OLD CUSTGRP

OLD NCOS

OLD CLISERV

INFO parameters:

DN

CUSTGRP

NCOS

CLISERV

A_NT-CS2K_ISN09_QRY_SIP-TABLE-PNSCRN

Add a new product subscription. It is implemented by the Java method
**com.metasolv.cartridge.oss.nt_cs2k_sip_
isn09.CS2KSIPLNPProv.querySIPTablePNSCRN.**

Table 2–149   A_NT-CS2K_ISN09_QRY_SIP-TABLE-PNSCRN

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Logical NE Name.	N/A	N/A	S	R
DN	Directory Number.	N/A	N/A	S	R
TRIM_DN_FLAG	Trim DN	N/A	Y	S	R

MML commands

MML Syntax :

```
POS <DN>
where
<DN> : directory number
```

Output Parameters

CSDL return parameters:

OLD DN

OLD NIC

OLD PORT TYPE

OLD_OPTION[i], i=l..n

If OLD OPTION[i] = REPLACE, then returns:

OLD OPTION[i].REP DIGS

OLD OPTION[i].ROUT NUM

PORTED STATUS = FOUND or NOT FOUND

INFO parameters:

DN

NIC

PORT TYPE

OPTION[i], i=l..n

If OPTION[i] = REPLACE, then returns:

OPTION[i].REP DIGS

OPTION[i].ROUT NUM

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 2–150   User Defined ASDL Exit Types

Search Pattern	User Type	Base Type	Description
LOOPBACK >	NTCS_SIP_SUCCEED	SUCCEED	The input command succeed in LoopBack mode.
((?s).)*OK((?s).)*	NTCS_SIP_SUCCESS	SUCCEED	The input command succeed in Live mode.
((?s).)*JOURNAL FILE RECORD NOT CREATED((?s).)*	NTCS_SIP_FLNT_CREAT	FAIL	Journal File record not created.
((?s).)*JOURNAL FILE RECORD ID((?s).)*	NTCS_SIP_JN_ACTIVE	SUCCEED	Journal File record is active.
((?s).)*WRITTEN TO JOURNAL FILE AS((?s).)*	NTCS_SIP_JN_ACTIVE	SUCCEED	Journal File record is active for TABLE command.
((?s).)*LINE EQUIPMENT NUMBER((?s).)*	NTCS_SIP_LEN_ASSIGN	SUCCEED	Line equipment number is found when query DN.
((?s).)*DIRECTORY NUMBER((?s).)*	NTCS_SIP_DN_ASSIGN	SUCCEED	Directory number is found when query LEN.
((?s).)*WARNING((?s).)*	NTCS_SIP_WARNING	SUCCEED	Warning Message.
((?s).)*PROMPTING DISABLED((?s).)*	NTCS_SIP_PROMPT_DIS	FAIL	Prompt disabled.
((?s).)*UNEXPECTED ERROR CONDITION((?s).)*	NTCS_SIP_ERROR_COND	FAIL	Unexpected error condition.
((?s).)*DMO REJECTED((?s).)*DMO UNSUCCESSFUL((?s).)*	NTCS_SIP_REJECTED	FAIL	Request to delete table record was rejected.
((?s).)*IS NOT AN EXISTING OPTION((?s).)*	NTCS_SIP_NOT_EXIST	SOFT_FAIL	Option does not exist.
((?s).)*ALREADY EXISTS((?s).)*	NTCS_SIP_ALRED_EXIST	FAIL	Option already exists.
((?s).)*TUPLE ALREADY EXISTS((?s).)*	NTCS_SIP_TUPLE_EXIST	FAIL	TUPLE already exists.
((?s).)*ARE NOT COMPATIBLE((?s).)*	NTCS_SIP_NOT_COMP	FAIL	Not Compatible Value.
((?s).)*ERROR((?s).)*	NTCS_SIP_ERROR	FAIL	Unknown error.
((?s).)*LEN((?s).)*	NTCS_SIP_LEN_INVAL	FAIL	Invalid LEN.
((?s).)*UNASSIGNED((?s).)*	NTCS_SIP_DN_UNASGN	FAIL	Unassigned DN.

Table 2–150   (Cont.) User Defined ASDL Exit Types

Search Pattern	User Type	Base Type	Description
((?s).)*HARDWARE ASSIGNED SOFTWARE UNASSIGNED((?s).)*	NTCS_SIP_LEN_UNASGN	FAIL	Unassigned LEN.
((?s).)*INVALID FOR THIS OFFICE((?s).)*	NTCS_SIP_DN_INVAL	FAIL	Invalid DN.
((?s).)*DN IS ASSIGNED((?s).)*	NTCS_SIP_ASSIGNED	FAIL	DN is Assigned.
((?s).)*TYPE OF GROUPSIZE((?s).)*	NTCS_SIP_GRP_INVAL	FAIL	The type of group size is invalid.
((?s).)*TYPE OF((?s).)*	NTCS_SIP_TYP_INVAL	FAIL	Type of value is invalid.
((?s).)*TYPE OF LEN_OR_LTID is EXT_LEN((?s).)*	NTCS_SIP_TYLN_INVAL	FAIL	Type of LEN or LTID is invalid.
((?s).)*Connection to the network element lost((?s).)*	NTCS_SIP_IOEXCEPT	MAINTENANCE	Lost Connection to the NE.
((?s).)*Broken pipe((?s).)*	NTCS_SIP_IOEXCEPT	MAINTENANCE	Broken pipe lost connection to the NE.
((?s).)*Error Timeout((?s).)*	NTCS_SIP_TELEXCEPT	MAINTENANCE	Got WaitFor Timeout Exception.
((?s).)*EndPoint data can not be added to GateWay((?s).)*	NTCS_SIP_ENDPOINT	FAIL	EndPoint data can not be added to GateWay.
((?s).)*XA-Core ServOrd operation failed((?s).)*	NTCS_SIP_XA_CORE	FAIL	XA-Core ServOrd operation failed.
((?s).)*DGT : ALREADY EXISTS((?s).)*XA-Core ServOrd operation failed((?s).)*	NTCS_SIP_DGT_RBACK	SUCCEED	DGT feature is already provisioned.

UserExitType.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<serviceModel xmlns="http://www.metasolv.com/ServiceActivation/2003/ServiceModel">
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>ISN09<//softwareLoad>
            <technology>CS2K<//technology>
            <neVendor>NT<//neVendor>
        <//neDescriptor>
        <searchPattern>LOOPBACK ><//searchPattern>
        <userType>NTCS_SIP_SUCCEED<//userType>
        <baseType>SUCCEED<//baseType>
        <description>The input command succeed in LoopBack mode.<//description>
    <//userDefinedExitType>
    ....................
    <//serviceModel >
```

3

Service Definition

The NORTEL_CS2K_ISN09_SIP_SERVICES 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_NT-CS2K_ISN09_ADD_SIP-3WC
- C_NT-CS2K_ISN09_ADD_SIP-ACB
- C_NT-CS2K_ISN09_ADD_SIP-ACRJ
- C_NT-CS2K_ISN09_ADD_SIP-AUL
- C_NT-CS2K_ISN09_ADD_SIP-CBU
- C_NT-CS2K_ISN09_ADD_SIP-CCW
- C_NT-CS2K_ISN09_ADD_SIP-CDU
- C_NT-CS2K_ISN09_ADD_SIP-CFB
- C_NT-CS2K_ISN09_ADD_SIP-CFD
- C_NT-CS2K_ISN09_ADD_SIP-CFDVT
- C_NT-CS2K_ISN09_ADD_SIP-CFU
- C_NT-CS2K_ISN09_ADD_SIP-CLF
- C_NT-CS2K_ISN09_ADD_SIP-CLI
- C_NT-CS2K_ISN09_ADD_SIP-CND
- C_NT-CS2K_ISN09_ADD_SIP-CNDB
- C_NT-CS2K_ISN09_ADD_SIP-CWI
- C_NT-CS2K_ISN09_ADD_SIP-CWT
- C_NT-CS2K_ISN09_ADD_SIP-DDN
- C_NT-CS2K_ISN09_ADD_SIP-DGT
- C_NT-CS2K_ISN09_ADD_SIP-DNH
- C_NT-CS2K_ISN09_ADD_SIP-FEATURES
- C_NT-CS2K_ISN09_ADD_SIP-LNR
- C_NT-CS2K_ISN09_ADD_SIP-MWT

- C_NT-CS2K_ISN09_ADD_SIP-RAG
- C_NT-CS2K_ISN09_ADD_SIP-SCF
- C_NT-CS2K_ISN09_ADD_SIP-SCRJ
- C_NT-CS2K_ISN09_ADD_SIP-SCS
- C_NT-CS2K_ISN09_ADD_SIP-SUBSCRIBER
- C_NT-CS2K_ISN09_ADD_SIP-SUPPRESS
- C_NT-CS2K_ISN09_ADD_SIP-TABLE-DNSCRN
- C_NT-CS2K_ISN09_ADD_SIP-TABLE-PNSCRN
- C_NT-CS2K_ISN09_ADD_SIP-WML
- C_NT-CS2K_ISN09_ADD_SIP-WUC
- C_NT-CS2K_ISN09_ADD_SIP-WUCR
- C_NT-CS2K_ISN09_CHG_SIP-FEATURES
- C_NT-CS2K_ISN09_DEL_SIP-3WC
- C_NT-CS2K_ISN09_DEL_SIP-ACB
- C_NT-CS2K_ISN09_DEL_SIP-ACRJ
- C_NT-CS2K_ISN09_DEL_SIP-AUL
- C_NT-CS2K_ISN09_DEL_SIP-CBU
- C_NT-CS2K_ISN09_DEL_SIP-CCW
- C_NT-CS2K_ISN09_DEL_SIP-CDU
- C_NT-CS2K_ISN09_DEL_SIP-CFB
- C_NT-CS2K_ISN09_DEL_SIP-CFD
- C_NT-CS2K_ISN09_DEL_SIP-CFDVT
- C_NT-CS2K_ISN09_DEL_SIP-CFU
- C_NT-CS2K_ISN09_DEL_SIP-CLF
- C_NT-CS2K_ISN09_DEL_SIP-CLI
- C_NT-CS2K_ISN09_DEL_SIP-CND
- C_NT-CS2K_ISN09_DEL_SIP-CNDB
- C_NT-CS2K_ISN09_DEL_SIP-CWI
- C_NT-CS2K_ISN09_DEL_SIP-CWT
- C_NT-CS2K_ISN09_DEL_SIP-DDN
- C_NT-CS2K_ISN09_DEL_SIP-DGT
- C_NT-CS2K_ISN09_DEL_SIP-DNH
- C_NT-CS2K_ISN09_DEL_SIP-FEATURES
- C_NT-CS2K_ISN09_DEL_SIP-LNR
- C_NT-CS2K_ISN09_DEL_SIP-MWT
- C_NT-CS2K_ISN09_DEL_SIP-RAG
- C_NT-CS2K_ISN09_DEL_SIP-SCF

- C_NT-CS2K_ISN09_DEL_SIP-SCRJ
- C_NT-CS2K_ISN09_DEL_SIP-SCS
- C_NT-CS2K_ISN09_DEL_SIP-SUBSCRIBER
- C_NT-CS2K_ISN09_DEL_SIP-SUPPRESS
- C_NT-CS2K_ISN09_DEL_SIP-TABLE-DNSCRN
- C_NT-CS2K_ISN09_DEL_SIP-TABLE-PNSCRN
- C_NT-CS2K_ISN09_DEL_SIP-WML
- C_NT-CS2K_ISN09_DEL_SIP-WUC
- C_NT-CS2K_ISN09_DEL_SIP-WUCR
- C_NT-CS2K_ISN09_MOD_SIP-ACB
- C_NT-CS2K_ISN09_MOD_SIP-ACRJ
- C_NT-CS2K_ISN09_MOD_SIP-AUL
- C_NT-CS2K_ISN09_MOD_SIP-CFB
- C_NT-CS2K_ISN09_MOD_SIP-CFD
- C_NT-CS2K_ISN09_MOD_SIP-CFDVT
- C_NT-CS2K_ISN09_MOD_SIP-CFU
- C_NT-CS2K_ISN09_MOD_SIP-CUSTGRP
- C_NT-CS2K_ISN09_MOD_SIP-DN
- C_NT-CS2K_ISN09_MOD_SIP-DNH
- C_NT-CS2K_ISN09_MOD_SIP-DPL
- C_NT-CS2K_ISN09_MOD_SIP-MWT
- C_NT-CS2K_ISN09_MOD_SIP-NCOS
- C_NT-CS2K_ISN09_MOD_SIP-SCF
- C_NT-CS2K_ISN09_MOD_SIP-SCRJ
- C_NT-CS2K_ISN09_MOD_SIP-SUBSCRIBER
- C_NT-CS2K_ISN09_MOD_SIP-SUPPRESS
- C_NT-CS2K_ISN09_MOD_SIP-TABLE-DNSCRN
- C_NT-CS2K_ISN09_MOD_SIP-TABLE-PNSCRN
- C_NT-CS2K_ISN09_MOD_SIP-WML
- C_NT-CS2K_ISN09_QRY_SIP-DN
- C_NT-CS2K_ISN09_QRY_SIP-LEN
- C_NT-CS2K_ISN09_QRY_SIP-TABLE-DNSCRN
- C_NT-CS2K_ISN09_QRY_SIP-TABLE-PNSCRN

C_NT-CS2K_ISN09_ADD_SIP-3WC

This option allows the subscriber on the assigned line to place a call on hold. When the call is on hold, the subscriber can set up a request call to another subscriber.

Table 3–2   C_NT-CS2K_ISN09_ADD_SIP-3WC

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–3   CSDL to ASDL Mapping

CSDL	ASDL
C_NT-CS2K_ISN09_ADD_SIP-3WC	A_NT-CS2K_ISN09_ADD_SIP-3WC

C_NT-CS2K_ISN09_ADD_SIP-ACB

ACB allows to call the last station the subscriber called. If the line is busy, ACB monitors the line until it becomes idle and accepts the call.

Table 3–4   C_NT-CS2K_ISN09_ADD_SIP-ACB

Parameter Name	Description	Range	Default Value	Type	Class
AUTOMATIC_CALL_ BACK_BILLING_ OPTION	Indicates the specified billing option, when the user assigns CND or COT option to an RES line. Valid values are (AMA=recorded, NOAMA=not recorded, or $.)	N/A	N/A	S	O
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–5   CSDL to ASDL Mapping

CSDL	ASDL
C_NT-CS2K_ISN09_ADD_SIP-ACB	A_NT-CS2K_ISN09_ADD_SIP-ACB

C_NT-CS2K_ISN09_ADD_SIP-ACRJ

The Anonymous Caller Rejection (ACRJ) option allows a subscriber to reject incoming calls from callers who block their names or directory numbers (DN).

Table 3–6   C_NT-CS2K_ISN09_ADD_SIP-ACRJ

Parameter Name	Description	Range	Default Value	Type	Class
ANONYMOUS_ CALLER_BLOCKING_ STATUS	Indicate service status, active or inactive.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_ADD_SIP-ACRJ	A_NT-CS2K_ISN09_ADD_SIP-ACRJ

C_NT-CS2K_ISN09_ADD_SIP-AUL

The automatic line (AUL) option connects to a set location when a directory number (DN) or an assigned AUL option line reports an off-hook.

Table 3–8   C_NT-CS2K_ISN09_ADD_SIP-AUL

Parameter Name	Description	Range	Default Value	Type	Class
AUTOMATIC_LINE_ DN	Automatic line DN.	N/A	N/A	S	O
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_ADD_SIP-AUL	A_NT-CS2K_ISN09_ADD_SIP-AUL

C_NT-CS2K_ISN09_ADD_SIP-CBU

The CBU option allows Call Forwarding Busy calls to forward to remote stations outside and inside the customer group.

Table 3–10   C_NT-CS2K_ISN09_ADD_SIP-CBU

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_ADD_SIP-CBU	A_NT-CS2K_ISN09_ADD_SIP-CBU

C_NT-CS2K_ISN09_ADD_SIP-CCW

The Cancel Call Waiting (CCW) option allows Call Waiting (CWT) subscribers to turn off the CWT option.

Table 3–12   C_NT-CS2K_ISN09_ADD_SIP-CCW

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_ADD_SIP-CCW	A_NT-CS2K_ISN09_ADD_SIP-CCW

C_NT-CS2K_ISN09_ADD_SIP-CDU

The CDU option allows the system to forward all calls that are not answered to a remote station that is ouside or inside customer group.

Table 3–14   C_NT-CS2K_ISN09_ADD_SIP-CDU

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–15   CSDL to ASDL Mapping

CSDL	ASDL
C_NT-CS2K_ISN09_ADD_SIP-CDU	A_NT-CS2K_ISN09_ADD_SIP-CDU

C_NT-CS2K_ISN09_ADD_SIP-CFB

The CFB option allows the subscriber to specify a directory number (DN).

Table 3–16   C_NT-CS2K_ISN09_ADD_SIP-CFB

Parameter Name	Description	Range	Default Value	Type	Class
CALL_FORWARD_BUSY_CNTL	Call forwarding busy Control. F = fixed assignment for CFB N = normal (default) assignment for CFB P = programmed assignment for CFB K = programmed assignment for CFB per key destination.	N/A	N/A	S	R
CALL_FORWARD_BUSY_DN	Call forwarding DN for CFB option	N/A	N/A	S	O
CALL_FORWARD_BUSY_KEYLIST	Key number (1-69), list of key numbers, or $ Appears when the user assigns a subset option to a multi-line set. Specifies key numbers of the DNs to which an option applies	N/A	N/A	C	O
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–17   CSDL to ASDL Mapping

CSDL	ASDL
C_NT-CS2K_ISN09_ADD_SIP-CFB	A_NT-CS2K_ISN09_ADD_SIP-CFB

C_NT-CS2K_ISN09_ADD_SIP-CFD

The Call Forwarding Do Not Answer (CFD) Business option forwards calls not answered to stations in the same customer group.

Table 3–18   C_NT-CS2K_ISN09_ADD_SIP-CFD

Parameter Name	Description	Range	Default Value	Type	Class
CALL_FORWARD_ NO_ANSWER_BUS_ CNTL	Call Forwarding Do NotAnswer control. F means fixed, N means normal (default), and C means programmed assignment.	N/A	N/A	S	R
CALL_FORWARD_ NO_ANSWER_BUS_ DN	Screening Identifies screening by class of service.	N/A	N/A	S	O
CALL_FORWARD_ NO_ANSWER_BUS_ KEYLIST	The number of calls the system can forward at the same time.	N/A	N/A	C	O
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_ADD_SIP-CFD	A_NT-CS2K_ISN09_ADD_SIP-CFD

C_NT-CS2K_ISN09_ADD_SIP-CFDVT

The Call Forwarding Do Not Answer Variable Timer (CFDVT) option allowsan end-user to specify how long a call rings before the system forwards the call to another station.

Table 3–20   C_NT-CS2K_ISN09_ADD_SIP-CFDVT

Parameter Name	Description	Range	Default Value	Type	Class
CALL_FORWARD_ NO_ANSWER_VAR_ RING_CTRL	Ring control. Enter PRGRING to allow end-user to set CVDVT time-out period. Enter FIXRING to indicate to end-user that the CVDVT time-out period is fixed; it can only be changed by the operating company.	N/A	N/A	S	R
CALL_FORWARD_ NO_ANSWER_VAR_ TIME	Call forward do not answer timing. The time, in seconds, that a call rings before the system forwards the call to the next DN. Value 0-60.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_ADD_SIP-CFDVT	A_NT-CS2K_ISN09_ADD_SIP-CFDVT

C_NT-CS2K_ISN09_ADD_SIP-CFU

The CFU option allows a station user to reroute incoming calls to another telephone number. This number can be in the MDC customer group, the local calling area, or a foreign exchange. The user can also forward the call to an attendant.

Table 3–22   C_NT-CS2K_ISN09_ADD_SIP-CFU

Parameter Name	Description	Range	Default Value	Type	Class
CALL_FORWARD_ UNIVERSAL_KEYLIST	Appears when the user assigns a subset option to a multi-line set. Specifies the key numbers of the DNs to which an option will apply. Key number (1-69), list of key numbers, or $.	N/A	N/A	C	O
CALL_FORWARD_ UNIVERSAL_ OVRDACR	Override for account code required.Y = Yes, N = No.	N/A	N/A	S	R
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_ADD_SIP-CFU	A_NT-CS2K_ISN09_ADD_SIP-CFU

C_NT-CS2K_ISN09_ADD_SIP-CLF

The Calling Line Identification with Flash (CLF) option allows a subscriber to hold an incoming call in the switch.

Table 3–24   C_NT-CS2K_ISN09_ADD_SIP-CLF

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–25   CSDL to ASDL Mapping

CSDL	ASDL
C_NT-CS2K_ISN09_ADD_SIP-CLF	A_NT-CS2K_ISN09_ADD_SIP-CLF

C_NT-CS2K_ISN09_ADD_SIP-CLI

Local and toll calls can stop on the line of the subscriber. If the calls stop, the Calling Line Identification (CLI) option records the following information on the DMS log syste.

Table 3–26   C_NT-CS2K_ISN09_ADD_SIP-CLI

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–27   CSDL to ASDL Mapping

CSDL	ASDL
C_NT-CS2K_ISN09_ADD_SIP-CLI	A_NT-CS2K_ISN09_ADD_SIP-CLI

C_NT-CS2K_ISN09_ADD_SIP-CND

The Calling Number Delivery (CND) option displays the directory number (DN) of the calling party. The CND also displays the time and date of the call. The billing option is enabled.

Table 3–28   C_NT-CS2K_ISN09_ADD_SIP-CND

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–29   CSDL to ASDL Mapping

CSDL	ASDL
C_NT-CS2K_ISN09_ADD_SIP-CND	A_NT-CS2K_ISN09_ADD_SIP-CND

C_NT-CS2K_ISN09_ADD_SIP-CNDB

The Calling Number Delivery Blocking (CNDB) option blocks the delivery of the calling number.

Table 3–30   C_NT-CS2K_ISN09_ADD_SIP-CNDB

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–31   CSDL to ASDL Mapping

CSDL	ASDL
C_NT-CS2K_ISN09_ADD_SIP-CNDB	A_NT-CS2K_ISN09_ADD_SIP-CNDB

C_NT-CS2K_ISN09_ADD_SIP-CWI

The Call Waiting Intragroup (CWI) option allows a subscriber to apply the CWT option to intragroup calls, in addition to those allowed with CWT.

Table 3–32   C_NT-CS2K_ISN09_ADD_SIP-CWI

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_ADD_SIP-CWI	A_NT-CS2K_ISN09_ADD_SIP-CWI

C_NT-CS2K_ISN09_ADD_SIP-CWT

The CallWaiting (CWT) option allows the system to alert a busy station when an incoming call attempts to reach the directory number (DN).

Table 3–34   C_NT-CS2K_ISN09_ADD_SIP-CWT

Parameter Name	Description	Range	Default Value	Type	Class
CALL_WAITING_ CWT_OPTION	Indicates if the CWT option is active. Y = Yes, N = No.	N/A	N/A	S	O
CALL_WAITING_ KEYLIST	Appears when the user assigns a subset feature to a multi-line set. Specifies key numbers of the DNS towhich the user applied a feature.Key number (1-69); list of key numbers or $.	N/A	N/A	C	O
CALL_WAITING_ PCWT	Precedence call waiting. Y = Yes, N = No.	N/A	N/A	S	O
CALL_WAITING_ RING	Specifies whether a ring from a telephone speaker is required inaddition to the LCD diamond CWT key. Enter Y or N.	N/A	N/A	S	O
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

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_NT-CS2K_ISN09_ADD_SIP-CWT	A_NT-CS2K_ISN09_ADD_SIP-CWT

C_NT-CS2K_ISN09_ADD_SIP-DDN

The DDN option allows the customer premises equipment (CPE) to display incoming calling name, number, and the time and date of the call. The CPE displays the number of the calling party in a design that the called party can dial to return the call.

Table 3–36   C_NT-CS2K_ISN09_ADD_SIP-DDN

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

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_NT-CS2K_ISN09_ADD_SIP-DDN	A_NT-CS2K_ISN09_ADD_SIP-DDN

C_NT-CS2K_ISN09_ADD_SIP-DGT

The DGT option allows a telephone set to generate an address in the form of dual-tone multi-frequency signals.

Table 3–38   C_NT-CS2K_ISN09_ADD_SIP-DGT

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

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_NT-CS2K_ISN09_ADD_SIP-DGT	A_NT-CS2K_ISN09_ADD_SIP-DGT

C_NT-CS2K_ISN09_ADD_SIP-DNH

The Directory Number Hunt (DNH) option allows directory number hunting. Each line in the hunt group has a directory number (DN).

Table 3–40   C_NT-CS2K_ISN09_ADD_SIP-DNH

Parameter Name	Description	Range	Default Value	Type	Class
DIRECTORY_ NUMBER_HUNT_DN	DN of a new member to be added to a hunt group. This prompt appears when the ADD command is used.	N/A	N/A	S	O
DIRECTORY_ NUMBER_HUNT_ GROUPSIZE	Hunt group size. The expected maximum size of the hunt group.	N/A	N/A	S	O
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_ADD_SIP-DNH	A_NT-CS2K_ISN09_ADD_SIP-DNH

C_NT-CS2K_ISN09_ADD_SIP-FEATURES

Adds options to assigned single-line and multiline telephone sets, to hunt group lines, and to proprietary business sets.

Table 3–42   C_NT-CS2K_ISN09_ADD_SIP-FEATURES

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
IS_OPTIMIZED	A flag to indicate MML optimazation of the command. The values are false and true.	N/A	true	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R
OPT	Options associated with a service your are establishing, modifying, or deleting. You can specify a maximum of 20 options in any single command. You can specify a maximum of 128 options in any deo command.	N/A	N/A	C	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_NT-CS2K_ISN09_ADD_SIP-FEATURES	A_NT-CS2K_ISN09_ADD_SIP-FEATURES

C_NT-CS2K_ISN09_ADD_SIP-LNR

The LNR option allows a subscriber to redial the last number dialed. The subscriber uses a single key instead of the full number to redial the last number dialed.

Table 3–44   C_NT-CS2K_ISN09_ADD_SIP-LNR

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_ADD_SIP-LNR	A_NT-CS2K_ISN09_ADD_SIP-LNR

C_NT-CS2K_ISN09_ADD_SIP-MWT

The MWT option allows a message center to inform a user that there is a message.

Table 3–46   C_NT-CS2K_ISN09_ADD_SIP-MWT

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
MESSAGE_WAITING_INDICATOR_CAR	Call request option.	N/A	N/A	S	R
MESSAGE_WAITING_INDICATOR_CMWIRING	When CMWIRING is set to Y, subscribers can dial an access code. This code allows the subscriber to activate or deactivate ringing that precedes a lamp activation message.	N/A	N/A	S	O
MESSAGE_WAITING_INDICATOR_CMWISTD	When CMWISTD is set to Y, subscribers are allowed to dial an access code to activate or deactivate stuttered dial tone.Y = stuttered dial tone is activated.N = No stuttered dial tone.	N/A	N/A	S	O
MESSAGE_WAITING_INDICATOR_CRRCFW	Call request retrieve call forwarding. Specifies how the system handles forwarding if a subscriber activates Call request retrieve (CRR) to return a call to the subscriber that left the message. Note: The CRRCFW is required only if CAR is set to Y.	N/A	N/A	S	O
MESSAGE_WAITING_INDICATOR_CRX	Call request not required.	N/A	N/A	S	R
MESSAGE_WAITING_INDICATOR_NOTICE	Message waiting notification.STD = stuttered dialtoneMWL = message waiting lampCMWI = CLASS message waiting indicatorPRN = periodic ring notification.	N/A	N/A	S	O
MESSAGE_WAITING_INDICATOR_STATUS	When the CMWIRING is set to UDLC, the system does not prompt for the status field.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_ADD_SIP-MWT	A_NT-CS2K_ISN09_ADD_SIP-MWT

C_NT-CS2K_ISN09_ADD_SIP-RAG

The RAG option allows a station user encountering a busy directory number (DN) to be notified when the busy station becomes idle and the system automatically redials the same number.

Table 3–48   C_NT-CS2K_ISN09_ADD_SIP-RAG

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_ADD_SIP-RAG	A_NT-CS2K_ISN09_ADD_SIP-RAG

C_NT-CS2K_ISN09_ADD_SIP-SCF

The SCF option allows calls that terminate on the line to be forwarded to a remote destination if the number of the originating station matches one of the numbers in the SCF list.

Table 3–50   C_NT-CS2K_ISN09_ADD_SIP-SCF

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R
SELECTIVE_CALL_ FORWARDING_ BILLING_OPTION	NOAMA indicates that the feature is billed based on a subscription; AMA indicates that the feature is billed based on usage, in which case an AMA billing record is generated for each SLE session.	N/A	N/A	S	O
SELECTIVE_CALL_ FORWARDING_DNS	Directory number to be added to the SCF list. If a user does not send any value for SELECTIVE_CALL_ FORWARDING_DNS[1] system will assume that value is $.	N/A	N/A	C	O
SELECTIVE_CALL_ FORWARDING_FDN	Number to which calls will be forwarded.	N/A	N/A	S	O
SELECTIVE_CALL_ FORWARDING_ NUMCALLS	LINE to which calls will be forwarded.	N/A	N/A	S	R
SELECTIVE_CALL_ FORWARDING_ RINGREM	LINE to which calls will be forwarded.	N/A	N/A	S	R

Table 3–50   (Cont.) C_NT-CS2K_ISN09_ADD_SIP-SCF

Parameter Name	Description	Range	Default Value	Type	Class
SELECTIVE_CALL_ FORWARDING_ SCRNCL	Screening by class of service.	N/A	N/A	S	O
SELECTIVE_CALL_ FORWARDING_ STATUS	INACT indicates the option is not turned on (inactive);ACT indicates the option is turned on (active); UNIVI indicates universal access via customer interface inactive, and UNIVA indicates universal access via customer interface active.	N/A	N/A	S	R
SELECTIVE_CALL_ FORWARDING_ VBCOUNT	Number of digits voiced back during SCA list review.	N/A	N/A	C	O

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_NT-CS2K_ISN09_ADD_SIP-SCF	A_NT-CS2K_ISN09_ADD_SIP-SCF

C_NT-CS2K_ISN09_ADD_SIP-SCRJ

The SCRJ option allows a subscriber to selectively reject calls arriving from a limited set of previously identified DNs.

Table 3–52   C_NT-CS2K_ISN09_ADD_SIP-SCRJ

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R
SELECTIVE_CALL_ BLOCKING_BILLING_ OPTION	NOAMA indicates that the feature is billed based on a subscription; AMA indicates that the feature is billed based on usage, in which case an AMA billing record is generated for each SLE session.	N/A	N/A	S	O

Table 3–52   (Cont.) C_NT-CS2K_ISN09_ADD_SIP-SCRJ

Parameter Name	Description	Range	Default Value	Type	Class
SELECTIVE_CALL_ BLOCKING_DNS	Directory number to be added to the SCRJ list. If a user does not send any value for SELECTIVE_CALL_ BLOCKING_DNS[1] system will assume that value is $.	N/A	N/A	C	O
SELECTIVE_CALL_ BLOCKING_STATUS	INACT indicates the option is not turned on (inactive);ACT indicates the option is turned on (active); UNIVI indicates universal access via customer interface inactive, and UNIVA indicates universal access via customer interface active.	N/A	N/A	S	R
SELECTIVE_CALL_ BLOCKING_ VBCOUNT	Number of digits voiced back during SCA list review.	N/A	N/A	C	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_NT-CS2K_ISN09_ADD_SIP-SCRJ	A_NT-CS2K_ISN09_ADD_SIP-SCRJ

C_NT-CS2K_ISN09_ADD_SIP-SCS

The SCS option allows a customer to specify a list of frequently callednumbers that the customer can call by dialing a one-digit speed calling code instead of the complete number.

Table 3–54   C_NT-CS2K_ISN09_ADD_SIP-SCS

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

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_NT-CS2K_ISN09_ADD_SIP-SCS	A_NT-CS2K_ISN09_ADD_SIP-SCS

C_NT-CS2K_ISN09_ADD_SIP-SUBSCRIBER

Establishes service for single-SUBSCRIBER and multiline telephone sets that are not assigned.

Table 3–56   C_NT-CS2K_ISN09_ADD_SIP-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
DN	The SIP directory number	N/A	N/A	S	R
ENDPOINT_LEN	The endpoint or line equipment number	N/A	N/A	S	R
GROUP	Groups beginning with an alphabetic character. Used with the IBN line class code (LCC).	N/A	N/A	S	R
IS_OPTIMIZED	A flag to indicate MML optimazation of the command. The values are false and true.	N/A	true	S	O
LCC	The line class code	N/A	N/A	S	R
LINE_OPTION	The sub-option enables the DPL to act as a SIP line, and is set to Y Data Type: Boolean Possible values: Y, N	N/A	N/A	S	R
LTG	Line treatment group number Data Type: Integer Range: 0 -255	N/A	N/A	S	R
MAX_NUM_ SESSIONS	The maximum number of simultaneous sessions allowed for the subscriber. Default value: 10. Data Type: Integer Range: 1-10	N/A	N/A	S	R
NCOS	The network class of service for IBN lines, trunks, or attendant consoles; defines a set of capabilities or restrictions that allows or denies calls. Data Type: Integer Range: 0-255.	N/A	N/A	S	R
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R
OPT	The Line options Default value: DGT	N/A	N/A	C	O
SIP_CLIENT_TYPE	One of SIP specific parameters is of client type	N/A	N/A	S	R
SIP_LOCATION	One of SIP specific parameters is location	N/A	N/A	S	R
SIP_PACKAGE	One of SIP specific parameters is of package Data Type: Up to 60 characters	N/A	N/A	S	R
SIP_PASSWD	One of SIP specific parameters is Password.Rules: Have a minimum password length between 4-10. Have a minimum of 0 to 10 numerical characters.	N/A	N/A	S	R
SIP_SUBDOMAIN	One of SIP specific parameters is subdomain	N/A	N/A	S	R
SIP_URI	One of SIP specific parameters is of uri Data Type: Up to 60 characters	N/A	N/A	S	R
SUB_GROUP	Groups 0 to 7 subgroup numbers of a customer group to which a station or DN belongs. Data Type: Integer Range: 0 - 7	N/A	N/A	S	R

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_NT-CS2K_ISN09_ADD_SIP-SUBSCRIBER	A_NT-CS2K_ISN09_ADD_SIP-SUBSCRIBER

C_NT-CS2K_ISN09_ADD_SIP-SUPPRESS

The SUPPRESS option allows a party to stop directory number (DN) or name from being displayed at call destination. This CSDL command remove this option from the assigned line.

Table 3–58   C_NT-CS2K_ISN09_ADD_SIP-SUPPRESS

Parameter Name	Description	Range	Default Value	Type	Class
ANONYMOUS_ CALLER_NETNAME	Network name shown as DN attribute.	N/A	N/A	C	O
ANONYMOUS_ CALLER_SUPPRESS_ DN	Enter Y to suppress the display of the DN; enter N if no suppression is required. Suppresses the display of the DN.	N/A	N/A	C	O
ANONYMOUS_ CALLER_SUPPRESS_ NAME	Enter Y to suppress the display of the station name; enter N if no suppression is required. Suppresses the display of the station name.	N/A	N/A	C	O
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

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_NT-CS2K_ISN09_ADD_SIP-SUPPRESS	A_NT-CS2K_ISN09_ADD_SIP-SUPPRESS

C_NT-CS2K_ISN09_ADD_SIP-TABLE-DNSCRN

Adds an entry in Table DNSCRN.

Table 3–60   C_NT-CS2K_ISN09_ADD_SIP-TABLE-DNSCRN

Parameter Name	Description	Range	Default Value	Type	Class
CLISERV	CLI service.	N/A	N/A	S	O
CUSTGRP	Customer Group.	N/A	N/A	S	O
DN	Directory Number.	N/A	N/A	S	R
NCOS	Network Class of Service.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	Logical NE Name.	N/A	N/A	S	R
TRIM_DN_FLAG	Trim DN	N/A	Y	S	R

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_NT-CS2K_ISN09_ADD_SIP-TABLE-DNSCRN	A_NT-CS2K_ISN09_ADD_SIP-TABLE-DNSCRN

C_NT-CS2K_ISN09_ADD_SIP-TABLE-PNSCRN

Adds an entry in Table PNSCRN.

Table 3–62   C_NT-CS2K_ISN09_ADD_SIP-TABLE-PNSCRN

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number.	N/A	N/A	S	R
NE_ID_NT-CS2K_SIP	Logical NE Name.	N/A	N/A	S	R
NIC	Network ID Code	N/A	N/A	S	R
OPTION	Option. Write as OPTION[i], where i = 1..n .	N/A	N/A	C	O
PORT_TYPE	Port Type.	N/A	N/A	S	R
TRIM_DN_FLAG	Trim DN	N/A	Y	S	R

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_NT-CS2K_ISN09_ADD_SIP-TABLE-PNSCRN	A_NT-CS2K_ISN09_ADD_SIP-TABLE-PNSCRN

C_NT-CS2K_ISN09_ADD_SIP-WML

The WML option is assigned to lines that route to a predefined DN if no digits are dialed within a modifiable time-out period.

Table 3–64   C_NT-CS2K_ISN09_ADD_SIP-WML

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R
WARM_LINE_ ACTIVE	Specifies whether the option is active.	N/A	N/A	S	R
WARM_LINE_ CUSTMOD	Specifies whether a customer can change the DN to which a call is forwarded when the WML time-out expires.	N/A	N/A	S	R

Table 3–64   (Cont.) C_NT-CS2K_ISN09_ADD_SIP-WML

Parameter Name	Description	Range	Default Value	Type	Class
WARM_LINE_DN	Specifies the DN to which a call is forwarded when the WML expires.	N/A	N/A	S	O
WARM_LINE_ FTCODE	Enter Y to allow subscriber to dial octothorpe (#) to access MDC features. Enter N to allow subscriber to dial # to override Warm Line feature timer. FTCODE is prompted when office parameter WML_OCT_IS_LINE_OPT_ PARM is set to Y.	N/A	N/A	S	O
WARM_LINE_ TIMEOUT	Specifies the ENDPOINT_LENgth of time in seconds before an unanswered call is automatically forwarded.	N/A	N/A	S	R

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_NT-CS2K_ISN09_ADD_SIP-WML	A_NT-CS2K_ISN09_ADD_SIP-WML

C_NT-CS2K_ISN09_ADD_SIP-WUC

The WUC option allows a subscriber to set a reminder time for the phone to ring.

Table 3–66   C_NT-CS2K_ISN09_ADD_SIP-WUC

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_ADD_SIP-WUC	A_NT-CS2K_ISN09_ADD_SIP-WUC

C_NT-CS2K_ISN09_ADD_SIP-WUCR

The WUC option allows a subscriber to set a reminder time for the phone to ring.

Table 3–68   C_NT-CS2K_ISN09_ADD_SIP-WUCR

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_ADD_SIP-WUCR	A_NT-CS2K_ISN09_ADD_SIP-WUCR

C_NT-CS2K_ISN09_CHG_SIP-FEATURES

Change options to assigned single-line and multiline telephone sets, to hunt group lines, and to proprietary business sets using CHF action. This CSDL command changes the option parameters of the assigned line.

Table 3–70   C_NT-CS2K_ISN09_CHG_SIP-FEATURES

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
IS_OPTIMIZED	A flag to indicate MML optimazation of the command. The values are false and true.	N/A	true	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R
OPT	Options associated with a service your are establishing, modifying, or deleting. You can specify a maximum of 20 options in any single command. You can specify a maximum of 128 options in any deo command.	N/A	N/A	C	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_NT-CS2K_ISN09_CHG_SIP-FEATURES	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_CHG_SIP-FEATURES	A_NT-CS2K_ISN09_CHG_SIP-FEATURES

C_NT-CS2K_ISN09_DEL_SIP-3WC

This option allows the subscriber on the assigned line to place a call on hold. When the call is on hold, the subscriber can set up a request call to another subscriber. This CSDL command remove this option from the assigned line.

Table 3–72   C_NT-CS2K_ISN09_DEL_SIP-3WC

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_DEL_SIP-3WC	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-3WC	A_NT-CS2K_ISN09_DEL_SIP-3WC

C_NT-CS2K_ISN09_DEL_SIP-ACB

ACB allows to call the last station the subscriber called. If the line is busy, ACB monitors the line until it becomes idle and accepts the call. This CSDL command remove this option from the assigned line.

Table 3–74   C_NT-CS2K_ISN09_DEL_SIP-ACB

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_DEL_SIP-ACB	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-ACB	A_NT-CS2K_ISN09_DEL_SIP-ACB

C_NT-CS2K_ISN09_DEL_SIP-ACRJ

The Anonymous Caller Rejection (ACRJ) option allows a subscriber to reject incoming calls from callers who block their names or directory numbers (DN). This CSDL command remove this option from the assigned line.

Table 3–76   C_NT-CS2K_ISN09_DEL_SIP-ACRJ

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_DEL_SIP-ACRJ	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-ACRJ	A_NT-CS2K_ISN09_DEL_SIP-ACRJ

C_NT-CS2K_ISN09_DEL_SIP-AUL

The automatic line (AUL) option connects to a set location when a directory number (DN) or an assigned AUL option line reports an off-hook. This CSDL command remove this option from the assigned line.

Table 3–78   C_NT-CS2K_ISN09_DEL_SIP-AUL

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_DEL_SIP-AUL	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-AUL	A_NT-CS2K_ISN09_DEL_SIP-AUL

C_NT-CS2K_ISN09_DEL_SIP-CBU

The CBU option allows Call Forwarding Busy calls to forward to remote stations outside and inside the customer group.

Table 3–80   C_NT-CS2K_ISN09_DEL_SIP-CBU

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_DEL_SIP-CBU	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-CBU	A_NT-CS2K_ISN09_DEL_SIP-CBU

C_NT-CS2K_ISN09_DEL_SIP-CCW

The Cancel Call Waiting (CCW) option allows Call Waiting (CWT) subscribers to turn off the CWT option. This ASDL command remove this option from the assigned line.

Table 3–82   C_NT-CS2K_ISN09_DEL_SIP-CCW

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

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_NT-CS2K_ISN09_DEL_SIP-CCW	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-CCW	A_NT-CS2K_ISN09_DEL_SIP-CCW

C_NT-CS2K_ISN09_DEL_SIP-CDU

The CDU option allows the system to forward all calls that are not answered to a remote station that is ouside or inside customer group.

Table 3–84   C_NT-CS2K_ISN09_DEL_SIP-CDU

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_DEL_SIP-CDU	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-CDU	A_NT-CS2K_ISN09_DEL_SIP-CDU

C_NT-CS2K_ISN09_DEL_SIP-CFB

The CFB option allows the subscriber to specify a directory number (DN). This CSDL command remove this option from the assigned line.

Table 3–86   C_NT-CS2K_ISN09_DEL_SIP-CFB

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_DEL_SIP-CFB	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-CFB	A_NT-CS2K_ISN09_DEL_SIP-CFB

C_NT-CS2K_ISN09_DEL_SIP-CFD

The Call Forwarding Do Not Answer (CFD) Business option forwards calls not answered to stations in the same customer group. This CSDL command remove this option from the assigned line.

Table 3–88   C_NT-CS2K_ISN09_DEL_SIP-CFD

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_DEL_SIP-CFD	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-CFD	A_NT-CS2K_ISN09_DEL_SIP-CFD

C_NT-CS2K_ISN09_DEL_SIP-CFDVT

The Call Forwarding Do Not Answer Variable Timer (CFDVT) option allowsan end-user to specify how long a call rings before the system forwards the call to another station.

Table 3–90   C_NT-CS2K_ISN09_DEL_SIP-CFDVT

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

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_NT-CS2K_ISN09_DEL_SIP-CFDVT	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-CFDVT	A_NT-CS2K_ISN09_DEL_SIP-CFDVT

C_NT-CS2K_ISN09_DEL_SIP-CFU

The CFU option allows a station user to reroute incoming calls to another telephone number. This number can be in the MDC customer group, the local calling area, or a foreign exchange. The user can also forward the call to an attendant.

Table 3–92   C_NT-CS2K_ISN09_DEL_SIP-CFU

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_DEL_SIP-CFU	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-CFU	A_NT-CS2K_ISN09_DEL_SIP-CFU

C_NT-CS2K_ISN09_DEL_SIP-CLF

The Calling Line Identification with Flash (CLF) option allows a subscriber to hold an incoming call in the switch. This CSDL command remove this option from the assigned line.

Table 3–94   C_NT-CS2K_ISN09_DEL_SIP-CLF

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_DEL_SIP-CLF	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-CLF	A_NT-CS2K_ISN09_DEL_SIP-CLF

C_NT-CS2K_ISN09_DEL_SIP-CLI

Local and toll calls can stop on the line of the subscriber. If the calls stop, the Calling Line Identification (CLI) option records the following information on the DMS log system.This CSDL command remove this option from the assigned line.

Table 3–96   C_NT-CS2K_ISN09_DEL_SIP-CLI

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

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_NT-CS2K_ISN09_DEL_SIP-CLI	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-CLI	A_NT-CS2K_ISN09_DEL_SIP-CLI

C_NT-CS2K_ISN09_DEL_SIP-CND

The Calling Number Delivery (CND) option displays the directory number (DN) of the calling party. The CND also displays the time and date of the call.This CSDL command remove this option from the assigned line. Billing option enabled.

Table 3–98   C_NT-CS2K_ISN09_DEL_SIP-CND

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_DEL_SIP-CND	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-CND	A_NT-CS2K_ISN09_DEL_SIP-CND

C_NT-CS2K_ISN09_DEL_SIP-CNDB

The Calling Number Delivery Blocking (CNDB) option blocks the delivery of the calling number.This CSDL command remove this option from the assigned line.

Table 3–100   C_NT-CS2K_ISN09_DEL_SIP-CNDB

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_DEL_SIP-CNDB	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-CNDB	A_NT-CS2K_ISN09_DEL_SIP-CNDB

C_NT-CS2K_ISN09_DEL_SIP-CWI

The Call Waiting Intragroup (CWI) option allows a subscriber to apply the CWT option to intragroup calls, in addition to those allowed with CWT.

Table 3–102   C_NT-CS2K_ISN09_DEL_SIP-CWI

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_DEL_SIP-CWI	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-CWI	A_NT-CS2K_ISN09_DEL_SIP-CWI

C_NT-CS2K_ISN09_DEL_SIP-CWT

The CallWaiting (CWT) option allows the system to alert a busy station when an incoming call attempts to reach the directory number (DN). This CSDL command remove this option from the assigned line.

Table 3–104   C_NT-CS2K_ISN09_DEL_SIP-CWT

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_DEL_SIP-CWT	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-CWT	A_NT-CS2K_ISN09_DEL_SIP-CWT

C_NT-CS2K_ISN09_DEL_SIP-DDN

The DDN option allows the customer premises equipment (CPE) to display incoming calling name, number, and the time and date of the call. The CPE displays the number of the calling party in a design that the called party can dial to return the call.

Table 3–106   C_NT-CS2K_ISN09_DEL_SIP-DDN

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_DEL_SIP-DDN	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-DDN	A_NT-CS2K_ISN09_DEL_SIP-DDN

C_NT-CS2K_ISN09_DEL_SIP-DGT

The DGT option allows a telephone set to generate an address in the form of dual-tone multi-frequency signals. This CSDL command remove this option from the assigned line.

Table 3–108   C_NT-CS2K_ISN09_DEL_SIP-DGT

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_DEL_SIP-DGT	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-DGT	A_NT-CS2K_ISN09_DEL_SIP-DGT

C_NT-CS2K_ISN09_DEL_SIP-DNH

The Directory Number Hunt (DNH) option allows directory number hunting. Each line in the hunt group has a directory number (DN). This CSDL command remove this option from the assigned line.

Table 3–110   C_NT-CS2K_ISN09_DEL_SIP-DNH

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

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_NT-CS2K_ISN09_DEL_SIP-DNH	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-DNH	A_NT-CS2K_ISN09_DEL_SIP-DNH

C_NT-CS2K_ISN09_DEL_SIP-FEATURES

Delete options to assigned single-line and multiline telephone sets, to hunt group lines, and to proprietary business sets.

Table 3–112   C_NT-CS2K_ISN09_DEL_SIP-FEATURES

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
IS_OPTIMIZED	A flag to indicate MML optimazation of the command. The values are false and true.	N/A	true	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R
OPT	Options associated with a service your are establishing, modifying, or deleting. You can specify a maximum of 20 options in any single command. You can specify a maximum of 128 options in any deo command.	N/A	N/A	C	R

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_NT-CS2K_ISN09_DEL_SIP-FEATURES	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-FEATURES	A_NT-CS2K_ISN09_DEL_SIP-FEATURES

C_NT-CS2K_ISN09_DEL_SIP-LNR

The LNR option allows a subscriber to redial the last number dialed. The subscriber uses a single key instead of the full number to redial the last number dialed.

Table 3–114   C_NT-CS2K_ISN09_DEL_SIP-LNR

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

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_NT-CS2K_ISN09_DEL_SIP-LNR	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-LNR	A_NT-CS2K_ISN09_DEL_SIP-LNR

C_NT-CS2K_ISN09_DEL_SIP-MWT

The MWT option allows a message center to inform a user that there is a message. This CSDL command remove this option from the assigned line.

Table 3–116   C_NT-CS2K_ISN09_DEL_SIP-MWT

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

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_NT-CS2K_ISN09_DEL_SIP-MWT	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-MWT	A_NT-CS2K_ISN09_DEL_SIP-MWT

C_NT-CS2K_ISN09_DEL_SIP-RAG

The RAG option allows a station user encountering a busy directory number (DN) to be notified when the busy station becomes idle and the system automatically redials the same number.

Table 3–118   C_NT-CS2K_ISN09_DEL_SIP-RAG

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

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_NT-CS2K_ISN09_DEL_SIP-RAG	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-RAG	A_NT-CS2K_ISN09_DEL_SIP-RAG

C_NT-CS2K_ISN09_DEL_SIP-SCF

The SCF option allows calls that terminate on the line to be forwarded to a remote destination if the number of the originating station matches one of the numbers in the SCF list. This CSDL command remove this option from the assigned line.

Table 3–120   C_NT-CS2K_ISN09_DEL_SIP-SCF

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

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_NT-CS2K_ISN09_DEL_SIP-SCF	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-SCF	A_NT-CS2K_ISN09_DEL_SIP-SCF

C_NT-CS2K_ISN09_DEL_SIP-SCRJ

The SCRJ option allows a subscriber to selectively reject calls arriving from a limited set of previously identified DNs. This CSDL command remove this option from the assigned line.

Table 3–122   C_NT-CS2K_ISN09_DEL_SIP-SCRJ

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

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_NT-CS2K_ISN09_DEL_SIP-SCRJ	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-SCRJ	A_NT-CS2K_ISN09_DEL_SIP-SCRJ

C_NT-CS2K_ISN09_DEL_SIP-SCS

The SCS option allows a customer to specify a list of frequently callednumbers that the customer can call by dialing a one-digit speed calling code instead of the complete number. This CSDL command remove this option from the assigned line.

Table 3–124   C_NT-CS2K_ISN09_DEL_SIP-SCS

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

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_NT-CS2K_ISN09_DEL_SIP-SCS	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-SCS	A_NT-CS2K_ISN09_DEL_SIP-SCS

C_NT-CS2K_ISN09_DEL_SIP-SUBSCRIBER

Removes service from single-SUBSCRIBER and multiline telephone set directory numbers (DN) and line equipment numbers (LEN).

Table 3–126   C_NT-CS2K_ISN09_DEL_SIP-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	The endpoint or line equipment number	N/A	N/A	S	R
INTERCEPT_NAME	The type of intercept you want. The values are: BLDN, AINT, ANCT, CANN, OPRT, and UNDN. If not provided default is BLDN.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R
SIP_PASSWD	One of SIP specific parameters. Rules: Have a minimum password length between 4-10. If provided retuned as OLD_SIP_PASSWD for rollback action.	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_NT-CS2K_ISN09_DEL_SIP-SUBSCRIBER	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-SUBSCRIBER	A_NT-CS2K_ISN09_DEL_SIP-SUBSCRIBER

C_NT-CS2K_ISN09_DEL_SIP-SUPPRESS

The SUPPRESS option allows a party to stop directory number (DN) or name from being displayed at call destination. This CSDL command remove this option from the assigned line.

Table 3–128   C_NT-CS2K_ISN09_DEL_SIP-SUPPRESS

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_DEL_SIP-SUPPRESS	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-SUPPRESS	A_NT-CS2K_ISN09_DEL_SIP-SUPPRESS

C_NT-CS2K_ISN09_DEL_SIP-TABLE-DNSCRN

Deletes an entry in Table DNSCRN.

Table 3–130   C_NT-CS2K_ISN09_DEL_SIP-TABLE-DNSCRN

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number.	N/A	N/A	S	R
NE_ID_NT-CS2K_SIP	Logical NE Name.	N/A	N/A	S	R
TRIM_DN_FLAG	Trim DN	N/A	Y	S	R

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_NT-CS2K_ISN09_DEL_SIP-TABLE-DNSCRN	A_NT-CS2K_ISN09_QRY_SIP-TABLE-DNSCRN
C_NT-CS2K_ISN09_DEL_SIP-TABLE-DNSCRN	A_NT-CS2K_ISN09_DEL_SIP-TABLE-DNSCRN

C_NT-CS2K_ISN09_DEL_SIP-TABLE-PNSCRN

Deletes an entry in Table PNSCRN.

Table 3–132   C_NT-CS2K_ISN09_DEL_SIP-TABLE-PNSCRN

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number.	N/A	N/A	S	R
NE_ID_NT-CS2K_SIP	Logical NE Name.	N/A	N/A	S	R
TRIM_DN_FLAG	Trim DN	N/A	Y	S	R

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_NT-CS2K_ISN09_DEL_SIP-TABLE-PNSCRN	A_NT-CS2K_ISN09_QRY_SIP-TABLE-PNSCRN
C_NT-CS2K_ISN09_DEL_SIP-TABLE-PNSCRN	A_NT-CS2K_ISN09_DEL_SIP-TABLE-PNSCRN

C_NT-CS2K_ISN09_DEL_SIP-WML

The WML option is assigned to lines that route to a predefined DN if no digits are dialed within a modifiable time-out period. This CSDL command remove this option from the assigned line.

Table 3–134   C_NT-CS2K_ISN09_DEL_SIP-WML

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_DEL_SIP-WML	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-WML	A_NT-CS2K_ISN09_DEL_SIP-WML

C_NT-CS2K_ISN09_DEL_SIP-WUC

The WUC option allows a subscriber to set a reminder time for the phone to ring. This CSDL command remove this option from the assigned line.

Table 3–136   C_NT-CS2K_ISN09_DEL_SIP-WUC

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

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_NT-CS2K_ISN09_DEL_SIP-WUC	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-WUC	A_NT-CS2K_ISN09_DEL_SIP-WUC

C_NT-CS2K_ISN09_DEL_SIP-WUCR

The WUCR option allows a subscriber to set a reminder time for the phone to ring. This CSDL command remove this option from the assigned line.

Table 3–138   C_NT-CS2K_ISN09_DEL_SIP-WUCR

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_DEL_SIP-WUCR	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_DEL_SIP-WUCR	A_NT-CS2K_ISN09_DEL_SIP-WUCR

C_NT-CS2K_ISN09_MOD_SIP-ACB

ACB allows to call the last station the subscriber called. If the line is busy, ACB monitors the line until it becomes idle and accepts the call.

Table 3–140   C_NT-CS2K_ISN09_MOD_SIP-ACB

Parameter Name	Description	Range	Default Value	Type	Class
AUTOMATIC_CALL_ BACK_BILLING_ OPTION	Indicates the specified billing option, when the user assigns CND or COT option to an RES line. Valid values are (AMA=recorded, NOAMA=not recorded, or $.)	N/A	N/A	S	O
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

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_NT-CS2K_ISN09_MOD_SIP-ACB	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_MOD_SIP-ACB	A_NT-CS2K_ISN09_MOD_SIP-ACB

C_NT-CS2K_ISN09_MOD_SIP-ACRJ

The Anonymous Caller Rejection (ACRJ) option allows a subscriber to reject incoming calls from callers who block their names or directory numbers (DN).

Table 3–142   C_NT-CS2K_ISN09_MOD_SIP-ACRJ

Parameter Name	Description	Range	Default Value	Type	Class
ANONYMOUS_ CALLER_BLOCKING_ STATUS	Indicate service status, active or inactive.	N/A	N/A	S	R
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

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_NT-CS2K_ISN09_MOD_SIP-ACRJ	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_MOD_SIP-ACRJ	A_NT-CS2K_ISN09_MOD_SIP-ACRJ

C_NT-CS2K_ISN09_MOD_SIP-AUL

The automatic line (AUL) option connects to a set location when a directory number (DN) or an assigned AUL option line reports an off-hook. This CSDL command changes the option parameters of the assigned line.

Table 3–144   C_NT-CS2K_ISN09_MOD_SIP-AUL

Parameter Name	Description	Range	Default Value	Type	Class
AUTOMATIC_LINE_ DN	Automatic line DN.	N/A	N/A	S	O

Table 3–144   (Cont.) C_NT-CS2K_ISN09_MOD_SIP-AUL

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_MOD_SIP-AUL	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_MOD_SIP-AUL	A_NT-CS2K_ISN09_MOD_SIP-AUL

C_NT-CS2K_ISN09_MOD_SIP-CFB

The CFB option allows the subscriber to specify a directory number (DN).

Table 3–146   C_NT-CS2K_ISN09_MOD_SIP-CFB

Parameter Name	Description	Range	Default Value	Type	Class
CALL_FORWARD_BUSY_CNTL	Call forwarding busy Control. F = fixed assignment for CFB N = normal (default) assignment for CFB P = programmed assignment for CFB K = programmed assignment for CFB per key destination.	N/A	N/A	S	R
CALL_FORWARD_BUSY_DN	Call forwarding DN for CFB option	N/A	N/A	S	O
CALL_FORWARD_BUSY_KEYLIST	Key number (1-69), list of key numbers, or $ Appears when the user assigns a subset option to a multi-line set. Specifies key numbers of the DNs to which an option applies	N/A	N/A	C	O
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_MOD_SIP-CFB	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_MOD_SIP-CFB	A_NT-CS2K_ISN09_MOD_SIP-CFB

C_NT-CS2K_ISN09_MOD_SIP-CFD

The Call Forwarding Do Not Answer (CFD) Business option forwards calls not answered to stations in the same customer group.

Table 3–148   C_NT-CS2K_ISN09_MOD_SIP-CFD

Parameter Name	Description	Range	Default Value	Type	Class
CALL_FORWARD_ NO_ANSWER_BUS_ CNTL	Call Forwarding Do NotAnswer control. F means fixed, N means normal (default), and C means programmed assignment.	N/A	N/A	S	R
CALL_FORWARD_ NO_ANSWER_BUS_ DN	Screening Identifies screening byclass of service.	N/A	N/A	S	O
CALL_FORWARD_ NO_ANSWER_BUS_ KEYLIST	The number of calls thesystem can forward at the same time.	N/A	N/A	C	O
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_MOD_SIP-CFD	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_MOD_SIP-CFD	A_NT-CS2K_ISN09_MOD_SIP-CFD

C_NT-CS2K_ISN09_MOD_SIP-CFDVT

The Call Forwarding Do Not Answer Variable Timer (CFDVT) option allowsan end-user to specify how long a call rings before the system forwards the call to another station.

Table 3–150   C_NT-CS2K_ISN09_MOD_SIP-CFDVT

Parameter Name	Description	Range	Default Value	Type	Class
CALL_FORWARD_ NO_ANSWER_VAR_ RING_CTRL	Ring control. Enter PRGRING to allow end-user to set CVDVT time-out period. Enter FIXRING to indicate to end-user that the CVDVT time-out period is fixed; it can only be changed by the operating company.	N/A	N/A	S	R
CALL_FORWARD_ NO_ANSWER_VAR_ TIME	Call forward do not answer timing. The time, in seconds, that a call rings before the system forwards the call to the next DN. Value 0-60.	N/A	N/A	S	R
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_MOD_SIP-CFDVT	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_MOD_SIP-CFDVT	A_NT-CS2K_ISN09_MOD_SIP-CFDVT

C_NT-CS2K_ISN09_MOD_SIP-CFU

The CFU option allows a station user to reroute incoming calls to another telephone number. This number can be in the MDC customer group, the local calling area, or a foreign exchange. The user can also forward the call to an attendant.

Table 3–152   C_NT-CS2K_ISN09_MOD_SIP-CFU

Parameter Name	Description	Range	Default Value	Type	Class
CALL_FORWARD_ UNIVERSAL_KEYLIST	Appears when the user assigns a subset option to a multi-line set. Specifies the key numbers of the DNs to which an option will apply. Key number (1-69), list of key numbers, or $.	N/A	N/A	C	O
CALL_FORWARD_ UNIVERSAL_ OVRDACR	Override for account code required.Y = Yes, N = No.	N/A	N/A	S	R

Table 3–152 (Cont.) C_NT-CS2K_ISN09_MOD_SIP-CFU

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_MOD_SIP-CFU	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_MOD_SIP-CFU	A_NT-CS2K_ISN09_MOD_SIP-CFU

C_NT-CS2K_ISN09_MOD_SIP-CUSTGRP

The CHG command changes CUST.

Table 3–154 C_NT-CS2K_ISN09_MOD_SIP-CUSTGRP

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	The endpoint or line equipment number	N/A	N/A	S	O
GROUP	Custumer Group	N/A	N/A	S	R
NE_ID_NT-CS2K_SIP	The name of the host NE.	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_NT-CS2K_ISN09_MOD_SIP-CUSTGRP	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_MOD_SIP-CUSTGRP	A_NT-CS2K_ISN09_MOD_SIP-CUSTGRP

C_NT-CS2K_ISN09_MOD_SIP-DN

The CDN command changes directory numbers (DN).

Table 3–156   C_NT-CS2K_ISN09_MOD_SIP-DN

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
INTERCEPT_NAME	The type of intercept you want. The values are: BLDN, AINT, ANCT, CANN, OPRT, and UNDN.	N/A	N/A	S	R
NEW_DN	Enter the new DN that replaces the previous DN.	N/A	N/A	S	R
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

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_NT-CS2K_ISN09_MOD_SIP-DN	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_MOD_SIP-DN	A_NT-CS2K_ISN09_MOD_SIP-DN

C_NT-CS2K_ISN09_MOD_SIP-DNH

The Directory Number Hunt (DNH) option allows directory number hunting. Each line in the hunt group has a directory number (DN).

Table 3–158   C_NT-CS2K_ISN09_MOD_SIP-DNH

Parameter Name	Description	Range	Default Value	Type	Class
DIRECTORY_ NUMBER_HUNT_DN	DN of a new member to be added to a hunt group. This prompt appears when the ADD command is used.	N/A	N/A	S	O
DIRECTORY_ NUMBER_HUNT_ GROUPSIZE	Hunt group size. The expected maximum size of the hunt group.	N/A	N/A	S	O
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

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_NT-CS2K_ISN09_MOD_SIP-DNH	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_MOD_SIP-DNH	A_NT-CS2K_ISN09_MOD_SIP-DNH

C_NT-CS2K_ISN09_MOD_SIP-DPL

DPL is the flag for a dynamic packet line. It includes the maximum number of simultaneous sessions allowed for the subscriber. This data is proxied to the CS2000 Core and is visible as read-only data in table IBNFEAT.

Table 3–160   C_NT-CS2K_ISN09_MOD_SIP-DPL

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
DYNAMIC_PACKET_LINE_LINE_OPTION	The sub-option enables the DPL to act as a SIP line, and is set to Y. Data Type: BooleanPossible values: Y, N.	N/A	N/A	S	O
DYNAMIC_PACKET_LINE_MAX_NUM_SESSIONS	The maximum number of simultaneous sessions allowed for the subscriber. Default value: 10. Data Type: Integer. Range: 1-10	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

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_NT-CS2K_ISN09_MOD_SIP-DPL	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_MOD_SIP-DPL	A_NT-CS2K_ISN09_MOD_SIP-DPL

C_NT-CS2K_ISN09_MOD_SIP-MWT

The MWT option allows a message center to inform a user that there is a message.

Table 3–162   C_NT-CS2K_ISN09_MOD_SIP-MWT

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
MESSAGE_WAITING_ INDICATOR_CAR	Call request option.	N/A	N/A	S	R
MESSAGE_WAITING_ INDICATOR_ CMWIRING	When CMWIRING is set to Y, subscribers can dial an access code. This code allows the subscriber to activate or deactivate ringing that precedes a lamp activation message.	N/A	N/A	S	O
MESSAGE_WAITING_ INDICATOR_ CMWISTD	When CMWISTD is set to Y, subscribers are allowed to dial an access code to activate or deactivate stuttered dial tone.Y = stuttered dial tone is activated.N = No stuttered dial tone.	N/A	N/A	S	O
MESSAGE_WAITING_ INDICATOR_ CRRCFW	Call request retrieve call forwarding. Specifies how the system handles forwarding if a subscriber activates Call request retrieve (CRR) to return a call to the subscriber that left the message. Note: The CRRCFW is required only if CAR is set to Y.	N/A	N/A	S	O
MESSAGE_WAITING_ INDICATOR_CRX	Call request not required.	N/A	N/A	S	R
MESSAGE_WAITING_ INDICATOR_NOTICE	Message waiting notification.STD = stuttered dialtoneMWL = message waiting lampCMWI = CLASS message waiting indicatorPRN = periodic ring notification.	N/A	N/A	S	O
MESSAGE_WAITING_ INDICATOR_STATUS	When the CMWIRING is set to UDLC, the system does not prompt for the status field.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	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_NT-CS2K_ISN09_MOD_SIP-MWT	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_MOD_SIP-MWT	A_NT-CS2K_ISN09_MOD_SIP-MWT

C_NT-CS2K_ISN09_MOD_SIP-NCOS

The CHG command changes NCOS.

Table 3–164   C_NT-CS2K_ISN09_MOD_SIP-NCOS

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	The endpoint or line equipment number	N/A	N/A	S	O
NCOS	New network classof service.	N/A	N/A	S	R
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–165   CSDL to ASDL Mapping

CSDL	ASDL
C_NT-CS2K_ISN09_MOD_SIP-NCOS	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_MOD_SIP-NCOS	A_NT-CS2K_ISN09_MOD_SIP-NCOS

C_NT-CS2K_ISN09_MOD_SIP-SCF

The SCF option allows calls that terminate on the line to be forwarded to a remote destination if the number of the originating station matches one of the numbers in the SCF list.

Table 3–166   C_NT-CS2K_ISN09_MOD_SIP-SCF

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R
SELECTIVE_CALL_ FORWARDING_ BILLING_OPTION	NOAMA indicates that the feature is billed based on a subscription; AMA indicates that the feature is billed based on usage, in which case an AMA billing record is generated for each SLE session.	N/A	N/A	S	O
SELECTIVE_CALL_ FORWARDING_DNS	Directory number to be added to the SCF list. If a user does not send any value for SELECTIVE_CALL_ FORWARDING_DNS[1] system will assume that value is $.	N/A	N/A	C	O
SELECTIVE_CALL_ FORWARDING_FDN	Number to which calls will be forwarded.	N/A	N/A	S	O

Table 3–166   (Cont.) C_NT-CS2K_ISN09_MOD_SIP-SCF

Parameter Name	Description	Range	Default Value	Type	Class
SELECTIVE_CALL_ FORWARDING_ NUMCALLS	LINE to which calls will be forwarded.	N/A	N/A	S	R
SELECTIVE_CALL_ FORWARDING_ RINGREM	LINE to which calls will be forwarded.	N/A	N/A	S	R
SELECTIVE_CALL_ FORWARDING_ SCRNCL	Screening by class of service.	N/A	N/A	S	O
SELECTIVE_CALL_ FORWARDING_ STATUS	INACT indicates the option is not turned on (inactive);ACT indicates the option is turned on (active); UNIVI indicates universal access via customer interface inactive, and UNIVA indicates universal access via customer interface active.	N/A	N/A	S	R
SELECTIVE_CALL_ FORWARDING_ VBCOUNT	Number of digits voiced back during SCA list review.	N/A	N/A	C	O

Mapping to ASDLs

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

Table 3–167   CSDL to ASDL Mapping

CSDL	ASDL
C_NT-CS2K_ISN09_MOD_SIP-SCF	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_MOD_SIP-SCF	A_NT-CS2K_ISN09_MOD_SIP-SCF

C_NT-CS2K_ISN09_MOD_SIP-SCRJ

The SCRJ option allows a subscriber to selectively reject calls arriving from a limited set of previously identified DNs.

Table 3–168   C_NT-CS2K_ISN09_MOD_SIP-SCRJ

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R
SELECTIVE_CALL_ BLOCKING_BILLING_ OPTION	NOAMA indicates that the feature is billed based on a subscription; AMA indicates that the feature is billed based on usage, in which case an AMA billing record is generated for each SLE session.	N/A	N/A	S	O

Table 3–168 (Cont.) C_NT-CS2K_ISN09_MOD_SIP-SCRJ

Parameter Name	Description	Range	Default Value	Type	Class
SELECTIVE_CALL_ BLOCKING_DNS	Directory number to be added to the SCRJ list. If a user does not send any value for SELECTIVE_CALL_ BLOCKING_DNS[1] system will assume that value is $.	N/A	N/A	C	O
SELECTIVE_CALL_ BLOCKING_STATUS	INACT indicates the option is not turned on (inactive);ACT indicates the option is turned on (active); UNIVI indicates universal access via customer interface inactive, and UNIVA indicates universal access via customer interface active.	N/A	N/A	S	R
SELECTIVE_CALL_ BLOCKING_ VBCOUNT	Number of digits voiced back during SCA list review.	N/A	N/A	C	O

Mapping to ASDLs

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

Table 3–169 CSDL to ASDL Mapping

CSDL	ASDL
C_NT-CS2K_ISN09_MOD_SIP-SCRJ	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_MOD_SIP-SCRJ	A_NT-CS2K_ISN09_MOD_SIP-SCRJ

C_NT-CS2K_ISN09_MOD_SIP-SUBSCRIBER

Modifies service from single-SUBSCRIBER and multiline telephone set directory numbers (DN) and line equipment numbers (LEN).

Table 3–170 C_NT-CS2K_ISN09_MOD_SIP-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	The endpoint or line equipment number	N/A	N/A	S	O
IS_OPTIMIZED	A flag to indicate MML optimazation of the command. The values are false and true.	N/A	true	S	O
LINE_OPTION	The sub-option enables the DPL to act as a SIP line, and is set to Y Data Type: Boolean Possible values: Y, N	N/A	N/A	S	O
MAX_NUM_ SESSIONS	The maximum number of simultaneous sessions allowed for the subscriber. Default value: 10. Data Type: Integer Range: 1-10	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

Table 3–170   (Cont.) C_NT-CS2K_ISN09_MOD_SIP-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
OPT	The Line options Default value: DGT	N/A	N/A	C	O
SIP_CLIENT_TYPE	One of SIP specific parameters is of client type	N/A	N/A	S	R
SIP_LOCATION	One of SIP specific parameters is location	N/A	N/A	S	R
SIP_PACKAGE	One of SIP specific parameters is of package Data Type: Up to 60 characters	N/A	N/A	S	R
SIP_PASSWD	One of SIP specific parameters is of Password.Rules: Have a minimum password length between 4-10 Have a minimum of 0 to 10 numerical characters, Have a minimum of 0 to 10 non-numerical characters.	N/A	N/A	S	R
SIP_SUBDOMAIN	One of SIP specific parameters is subdomain	N/A	N/A	S	R
SIP_URI	One of SIP specific parameters is of uri Data Type: Up to 60 characters	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–171   CSDL to ASDL Mapping

CSDL	ASDL
C_NT-CS2K_ISN09_MOD_SIP-SUBSCRIBER	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_MOD_SIP-SUBSCRIBER	A_NT-CS2K_ISN09_MOD_SIP-SUBSCRIBER

C_NT-CS2K_ISN09_MOD_SIP-SUPPRESS

The SUPPRESS option allows a party to stop directory number (DN) or name from being displayed at call destination. This CSDL command remove this option from the assigned line.

Table 3–172   C_NT-CS2K_ISN09_MOD_SIP-SUPPRESS

Parameter Name	Description	Range	Default Value	Type	Class
ANONYMOUS_ CALLER_NETNAME	Network name shown as DN attribute.	N/A	N/A	C	O
ANONYMOUS_ CALLER_SUPPRESS_ DN	Enter Y to suppress the display of the DN; enter N if no suppression is required. Suppresses the display of the DN.	N/A	N/A	C	O
ANONYMOUS_ CALLER_SUPPRESS_ NAME	Enter Y to suppress the display of the station name; enter N if no suppression is required. Suppresses the display of the station name.	N/A	N/A	C	O

Table 3–172 (Cont.) C_NT-CS2K_ISN09_MOD_SIP-SUPPRESS

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–173   CSDL to ASDL Mapping

CSDL	ASDL
C_NT-CS2K_ISN09_MOD_SIP-SUPPRESS	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_MOD_SIP-SUPPRESS	A_NT-CS2K_ISN09_MOD_SIP-SUPPRESS

C_NT-CS2K_ISN09_MOD_SIP-TABLE-DNSCRN

Modifies an entry in Table DNSCRN.

Table 3–174   C_NT-CS2K_ISN09_MOD_SIP-TABLE-DNSCRN

Parameter Name	Description	Range	Default Value	Type	Class
CLISERV	CLI service.	N/A	N/A	S	O
CUSTGRP	Customer Group.	N/A	N/A	S	O
DN	Directory Number.	N/A	N/A	S	R
NCOS	Network Class of Service.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	Logical NE Name.	N/A	N/A	S	R
TRIM_DN_FLAG	Trim DN	N/A	Y	S	R

Mapping to ASDLs

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

Table 3–175   CSDL to ASDL Mapping

CSDL	ASDL
C_NT-CS2K_ISN09_MOD_SIP-TABLE-DNSCRN	A_NT-CS2K_ISN09_QRY_SIP-TABLE-DNSCRN
C_NT-CS2K_ISN09_MOD_SIP-TABLE-DNSCRN	A_NT-CS2K_ISN09_MOD_SIP-TABLE-DNSCRN

C_NT-CS2K_ISN09_MOD_SIP-TABLE-PNSCRN

Modifies an entry in Table PNSCRN.

Table 3–176   C_NT-CS2K_ISN09_MOD_SIP-TABLE-PNSCRN

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number.	N/A	N/A	S	R
NE_ID_NT-CS2K_SIP	Logical NE Name.	N/A	N/A	S	R
NIC	Network ID Code	N/A	N/A	S	R
OPTION	Option. Write as OPTION[i], where i = 1..n	N/A	N/A	C	O
PORT_TYPE	Port Type.	N/A	N/A	S	R
TRIM_DN_FLAG	Trim DN	N/A	Y	S	R

Mapping to ASDLs

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

Table 3–177   CSDL to ASDL Mapping

CSDL	ASDL
C_NT-CS2K_ISN09_MOD_SIP-TABLE-PNSCRN	A_NT-CS2K_ISN09_QRY_SIP-TABLE-PNSCRN
C_NT-CS2K_ISN09_MOD_SIP-TABLE-PNSCRN	A_NT-CS2K_ISN09_MOD_SIP-TABLE-PNSCRN

C_NT-CS2K_ISN09_MOD_SIP-WML

The WML option is assigned to lines that route to a predefined DN if no digits are dialed within a modifiable time-out period.

Table 3–178   C_NT-CS2K_ISN09_MOD_SIP-WML

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	Line equipment number.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R
WARM_LINE_ ACTIVE	Specifies whether the option is active.	N/A	N/A	S	R
WARM_LINE_ CUSTMOD	Specifies whether a customer can change the DN to which a call is forwarded when the WML time-out expires.	N/A	N/A	S	R

Table 3–178 (Cont.) C_NT-CS2K_ISN09_MOD_SIP-WML

Parameter Name	Description	Range	Default Value	Type	Class
WARM_LINE_DN	Specifies the DN to which a call is forwarded when the WML expires.	N/A	N/A	S	O
WARM_LINE_ FTCODE	Enter Y to allow subscriber to dial octothorpe (#) to access MDC features. Enter N to allow subscriber to dial # to override Warm Line feature timer. FTCODE is prompted when office parameter WML_OCT_IS_LINE_OPT_ PARM is set to Y.	N/A	N/A	S	O
WARM_LINE_ TIMEOUT	Specifies the ENDPOINT_LENgth of time in seconds before an unanswered call is automatically forwarded.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–179 CSDL to ASDL Mapping

CSDL	ASDL
C_NT-CS2K_ISN09_MOD_SIP-WML	A_NT-CS2K_ISN09_QRY_SIP-DN
C_NT-CS2K_ISN09_MOD_SIP-WML	A_NT-CS2K_ISN09_MOD_SIP-WML

C_NT-CS2K_ISN09_QRY_SIP-DN

Retrieves information about the system and services associated with wireline or wireless subscriber, based on the directory number (DN).

Table 3–180 C_NT-CS2K_ISN09_QRY_SIP-DN

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–181 CSDL to ASDL Mapping

CSDL	ASDL
C_NT-CS2K_ISN09_QRY_SIP-DN	A_NT-CS2K_ISN09_QRY_SIP-DN

C_NT-CS2K_ISN09_QRY_SIP-LEN

Command QLEN generates a printout of line data related to a specified line equipment number (LEN) or directory number (DN).

Table 3–182   C_NT-CS2K_ISN09_QRY_SIP-LEN

Parameter Name	Description	Range	Default Value	Type	Class
DN	The directory number associated with the service that you are establishing, modifying, or deleting. If a 7-digit DN is entered and that DN exists on the switch, you are prompted to enter the full 10-digit DN.	N/A	N/A	S	O
ENDPOINT_LEN	The endpoint or line equipment number	N/A	N/A	S	O
NE_ID_NT-CS2K_SIP	The name of the host NE.	N/A	N/A	S	R

Mapping to ASDLs

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

Table 3–183   CSDL to ASDL Mapping

CSDL	ASDL
C_NT-CS2K_ISN09_QRY_SIP-LEN	A_NT-CS2K_ISN09_QRY_SIP-LEN

C_NT-CS2K_ISN09_QRY_SIP-TABLE-DNSCRN

Queries an entry in Table DNSCRN.

Table 3–184   C_NT-CS2K_ISN09_QRY_SIP-TABLE-DNSCRN

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number.	N/A	N/A	S	R
NE_ID_NT-CS2K_SIP	Logical NE Name.	N/A	N/A	S	R
TRIM_DN_FLAG	Trim DN	N/A	Y	S	R

Mapping to ASDLs

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

Table 3–185   CSDL to ASDL Mapping

CSDL	ASDL
C_NT-CS2K_ISN09_QRY_SIP-TABLE-DNSCRN	A_NT-CS2K_ISN09_QRY_SIP-TABLE-DNSCRN

C_NT-CS2K_ISN09_QRY_SIP-TABLE-PNSCRN

Queries an entry in Table PNSCRN.

Table 3–186   C_NT-CS2K_ISN09_QRY_SIP-TABLE-PNSCRN

Parameter Name	Description	Range	Default Value	Type	Class
DN	Directory Number.	N/A	N/A	S	R
NE_ID_NT-CS2K_SIP	Logical NE Name.	N/A	N/A	S	R
TRIM_DN_FLAG	Trim DN	N/A	Y	S	R

Mapping to ASDLs

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

Table 3–187   CSDL to ASDL Mapping

CSDL	ASDL
C_NT-CS2K_ISN09_QRY_SIP-TABLE-PNSCRN	A_NT-CS2K_ISN09_QRY_SIP-TABLE-PNSCRN

4

Configuring ASAP to Support Additional NE Instances

You can configure Oracle Communications ASAP (ASAP) to support the CS2K_SIP and CS2K_LNP - NEP configuration using the Service Activation Configuration Tool (SACT). Refer to the *ASAP System Administrator's Guide* for more information.

Extracting Source Files

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

To extract source files:

1. If necessary, create a repository directory, copy the .sar file to the new directory and un-jar the sar file.

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

Loading a New XML File

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

Configuration XML File

Below is an example of the Activation.Configuration.XML file for the NORTEL_CS2K_ ISN09_SIP_SERVICES cartridge.

```
<?xml version="1.0" encoding="UTF-8"?>
<activationConfig
xmlns="http://www.metasolv.com/ServiceActivation/2003/ActivationConfig"
xmlns:cfg="http://www.mslv.com/studio/activation/model/config"
xmlns:route="http://www.mslv.com/studio/activation/model/routing"
xmlns:sm="http://www.metasolv.com/ServiceActivation/2003/ServiceModel"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
     <connectionPool name="SIP_POOL">
          <device name="nt_sip_isn09_dev1">
               <environment>DEVELOPMENT</environment>
               <lineType>TELNET_CONNECTION</lineType>
          </device>
          <device name="nt_sip_isn09_dev2">
               <environment>DEVELOPMENT</environment>
               <lineType>TELNET_CONNECTION</lineType>
          </device>
          <device name="nt_sip_isn09_dev3">
```

```
                        <environment>DEVELOPMENT</environment>
                        <lineType>TELNET_CONNECTION</lineType>
                </device>
                <device name="nt_sip_isn09_dev4">
                        <environment>DEVELOPMENT</environment>
                        <lineType>TELNET_CONNECTION</lineType>
                </device>
                <device name="nt_sip_isn09_dev5">
                        <environment>DEVELOPMENT</environment>
                        <lineType>TELNET_CONNECTION</lineType>
                </device>
        </connectionPool>
        <element name="CS2K_SIP">
                <vendor>NT</vendor>
                <technology>CS2K</technology>
                <softwareLoad>ISN09</softwareLoad>
                <nepServerName>$NEP</nepServerName>
                <primaryPool>SIP_POOL</primaryPool>
                <maximumConnections>5</maximumConnections>
                <dropTimeout>2</dropTimeout>
                <spawnThreshold>3</spawnThreshold>
                <killThreshold>2</killThreshold>
                <routingElement name="CS2K_SIP"/>
                <communicationParameter>
                        <label>HOST_IPADDR</label>
                        <value>
                                <value>127.0.0.1</value>
                        </value>
                        <description>The IP Address for the remote OSSAGATE
host</description>
                        <lineType>TELNET_CONNECTION</lineType>
                </communicationParameter>
                <communicationParameter>
                        <label>PORT</label>
                        <value>
                                <value>10023</value>
                        </value>
                        <description>Port number to connect on remote  OSSGATE
host</description>
                        <lineType>TELNET_CONNECTION</lineType>
                </communicationParameter>
                <communicationParameter>
                        <label>OPEN_TIMEOUT</label>
                        <value>
                                <value>5</value>
                        </value>
                        <description>Connection timeout (seconds)</description>
                        <lineType>TELNET_CONNECTION</lineType>
                </communicationParameter>
                <communicationParameter>
                        <label>READ_TIMEOUT</label>
                        <value>
                                <value>5</value>
                        </value>
                        <description>Read timeout (seconds)</description>
                        <lineType>TELNET_CONNECTION</lineType>
                </communicationParameter>
                <communicationParameter>
                        <label>HOST_USERID</label>
                        <value>
```

```
                <value>sam</value>
            </value>
            <description>OSSGATE User ID to login</description>
            <lineType>TELNET_CONNECTION</lineType>
    </communicationParameter>
    <communicationParameter>
            <label>HOST_PASSWORD</label>
            <value>
                <value>sam</value>
            </value>
            <description>OSSGATE Password to login</description>
            <lineType>TELNET_CONNECTION</lineType>
    </communicationParameter>
    <communicationParameter>
            <label>PROMPT</label>
            <value>
                <value>></value>
            </value>
            <description>Interface prompt</description>
            <lineType>TELNET_CONNECTION</lineType>
    </communicationParameter>
    <communicationParameter>
            <label>LOGIN_PROMPT</label>
            <value>
                <value>Enter username and password</value>
            </value>
            <description>Host User Prompt</description>
            <lineType>TELNET_CONNECTION</lineType>
    </communicationParameter>
    <communicationParameter>
            <label>IS_COMMIT</label>
            <value>
                <value>Y</value>
            </value>
            <description>CS2K Save Provisioning Mode</description>
            <lineType>TELNET_CONNECTION</lineType>
    </communicationParameter>
    <communicationParameter>
            <label>MAX_NUM_CHAR_LINE</label>
            <value>
                <value>75</value>
            </value>
            <description>Max character number per command line</description>
            <lineType>TELNET_CONNECTION</lineType>
    </communicationParameter>
    <communicationParameter>
            <label>SSH_SUPPORT</label>
            <value>
                <value>YES</value>
            </value>
            <description>SSH Flag to indicate if the SSH is supported or not.
Value YES or NO</description>
            <lineType>TELNET_CONNECTION</lineType>
    </communicationParameter>
    <communicationParameter>
            <label>SSH_PORT</label>
            <value>
                <value>22</value>
            </value>
            <description>The SSH port number. Default is 22</description>
```

```
                        <lineType>TELNET_CONNECTION</lineType>
                </communicationParameter>
                <communicationParameter>
                        <label>SSH_VERSION</label>
                        <value>
                                <value>SSH2</value>
                        </value>
                        <description>The SSH version, SSH1 or SSH2. Default is
SSH2</description>
                        <lineType>TELNET_CONNECTION</lineType>
                </communicationParameter>
                <communicationParameter>
                        <label>SSH_AUTH_METHOD</label>
                        <value>
                                <value>PASSWORD</value>
                        </value>
                        <description>The SSH authentication method PASSWORD or PUBLIC_KEY.
Default is PASSWORD</description>
                        <lineType>TELNET_CONNECTION</lineType>
                </communicationParameter>
                <communicationParameter>
                        <label>SSH_PREF_PUBLIC_KEY</label>
                        <value>
                                <value>PUBLIC_KEY_SSHRSA</value>
                        </value>
                        <description>The SSH preferred public key. PUBLIC_KEY_SSHDSS or
PUBLIC_KEY_SSHRSA. Default is PUBLIC_KEY_SSHRSA</description>
                        <lineType>TELNET_CONNECTION</lineType>
                </communicationParameter>
                <communicationParameter>
                        <label>SSH_PREF_CIPHER_CS</label>
                        <value>
                                <value>CIPHER_BLOWFISH_CBC</value>
                        </value>
                        <description>The SSH preferred CS cliper.</description>
                        <lineType>TELNET_CONNECTION</lineType>
                </communicationParameter>
                <communicationParameter>
                        <label>SSH_PREF_CIPHER_SC</label>
                        <value>
                                <value>CIPHER_BLOWFISH_CBC</value>
                        </value>
                        <description>The SSH preferred SC cliper.</description>
                        <lineType>TELNET_CONNECTION</lineType>
                </communicationParameter>
                <communicationParameter>
                        <label>SSH_PREF_MAC_CS</label>
                        <value>
                                <value>HMAC_MD5</value>
                        </value>
                        <description>The SSH preferred CS message
authentication</description>
                        <lineType>TELNET_CONNECTION</lineType>
                </communicationParameter>
                <communicationParameter>
                        <label>SSH_PREF_MAC_SC</label>
                        <value>
                                <value>HMAC_MD5</value>
                        </value>
                        <description>The SSH preferred SC message
```

```
authentication</description>
                <lineType>TELNET_CONNECTION</lineType>
        </communicationParameter>
        <communicationParameter>
                <label>SSH_PREF_COMP_CS</label>
                <value>
                        <value>COMPRESSION_NONE</value>
                </value>
                <description>The SSH preferred CS compression</description>
                <lineType>TELNET_CONNECTION</lineType>
        </communicationParameter>
        <communicationParameter>
                <label>SSH_PREF_COMP_SC</label>
                <value>
                        <value>COMPRESSION_NONE</value>
                </value>
                <description>The SSH preferred SC compression</description>
                <lineType>TELNET_CONNECTION</lineType>
        </communicationParameter>
        <communicationParameter>
                <label>CHANGE_PASSWD_CMD</label>
                <value>
                        <value>PASSWORD</value>
                </value>
                <description>LNP change password command</description>
                <lineType>TELNET_CONNECTION</lineType>
        </communicationParameter>
        <communicationParameter>
                <label>CHANGE_PASSWD_NEW_PROMPT</label>
                <value>
                        <value>Enter new password</value>
                </value>
                <description>Enter new password prompt</description>
                <lineType>TELNET_CONNECTION</lineType>
        </communicationParameter>
        <communicationParameter>
                <label>CHANGE_PASSWD_NEW_AGAIN_PROMPT</label>
                <value>
                        <value>Please enter new p</value>
                </value>
                <description>Re-enter new password prompt</description>
                <lineType>TELNET_CONNECTION</lineType>
        </communicationParameter>
        <communicationParameter>
                <label>CHANGE_PASSWD_ORIG_PROMPT</label>
                <value>
                        <value>PASSWORD: Enter</value>
                </value>
                <description>Enter original password prompt</description>
                <lineType>TELNET_CONNECTION</lineType>
        </communicationParameter>
        <communicationParameter>
                <label>CHANGE_PASSWD_DONE_PROMPT</label>
                <value>
                        <value>PASSWORD</value>
                </value>
                <description>End of password change command</description>
                <lineType>TELNET_CONNECTION</lineType>
        </communicationParameter>
        <communicationParameter>
```

```
                        <label>PASSWORD_THRESHOLD_DAYS</label>
                        <value>
                              <value>-1</value>
                        </value>
                        <description>Days before password needs to be changed since last
update</description>
                        <lineType>TELNET_CONNECTION</lineType>
                  </communicationParameter>
            </element>
      </activationConfig>
```