Critical Release Notice

The content of this customer NTP supports the SN06 (DMS) software release.

Bookmarks used in this NTP highlight the changes between the NA015 baseline and the current release. The bookmarks provided are color-coded to identify release-specific content changes. NTP volumes that do not contain bookmarks indicate that the NA015 baseline remains unchanged and is valid for the current release.

Bookmark Color Legend

Black: Applies to content for the NA015 baseline that is valid through the current release.

Red: Applies to new or modified content for NA017 that is valid through the current release.

Blue: Applies to new or modified content for NA018 (SN05 DMS) that is valid through the current release.

Green: Applies to new or modified content for (SN06 DMS) that is valid through the current release.

Attention!
Adobe Acrobat Reader™ 5.0 is required to view bookmarks in color.

Publication History

September 2003
Preliminary release 12.02 for software release SN06 (DMS). Updates made for this release are shown below.

297-2621-855 vol. 1

CPSTACKSIZE
NUMCPWAKE
OFFICE_CLLI_NAME
ORIG_THRES .
INAP_VARIANT (Removed)

297-2621-855 vol. 2

REDIRECTION_FRAMEWORK
JAPAN_F5_PARM_SUPPRESS (Removed)

June 2003
Preliminary release 12.01 for software release SN06 (DMS). Updates made for this release are shown below.

297-2621-855 vol. 1

ECAN_EDGE_STRATEGY
FPS_PRE_ANNOUNCE_LIMIT
FPS_VARIANT
INAP_VARIANT
LFPS_PSW_LOCK
RDT_SUCC_AUTOCREATE_LNINV
REMOVE_LEADING_O_FROM_CLI
USP_RM_AUTO_UPDATE_ENABLED

297-2621-855 vol. 2

JAPAN_F5_PARM_SUPPRESS
PACKET_QOS_OM_THRESHOLDS

297-2621-855

Digital Switching Systems

UCS DMS-250

Office Parameters Reference Manual Volume 2 of 2

UCS15   Standard   09.02   May 2001

NORTEL NETWORKS

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Digital Switching Systems

UCS DMS-250

Office Parameters Reference Manual Volume 2 of 2

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1 OFCSTD parameters

This chapter describes the Standard Office (OFCSTD) parameter table. Table OFCSTD lists the parameters that have a standard value. You can change the values of the parameters in this table at the initial input or at extension time. At all other times, you must send a request to Northern Telecom to change the value of any standard parameter.

Unless a specific type of switch or feature is specified, the parameter is required. If the parameter is not required and memory is involved, set PARMVALUE to the minimum value.

Memory automatically allocates for 512 OFCSTD parameters in the System Data table.

The OFCSTD parameters initialize with the default values.

The following information is given for each parameter in table OFCSTD:

- parameter name
- a brief functional description
- the provisioning rules required to determine the value
- the default value and the range of values
- the procedure required to activate any change made to the value of a parameter
- dependencies, if any
- the consequences, if any, of exceeding the value specified
- the procedure to verify the parameter, if any
- the memory to be allocated for the parameter, if any
- the operational measurements assigned to the parameter, if any
- the dump and restore rules required for retrofitting the software by software release
- the parameter history

Description of field names

Table 1-1

Field name	Entry	Explanation
PARMNAME	alphanumeric	*Parameter name*
		The parameter names are defined in this section.
PARMVALUE	alphanumeric	*Parameter value*
		The parameter values—minimum, maximum, and default—are defined in this section.

Example

The following is an example of changing the value of ISDD_OM_THRESHOLD.

For initial input, use the replace (REP) command when changing the default value of the option.

```
COMMAND       TABLE_NAME
   TAB        OFCSTD

COMMAND       PARMNAME            PARMVALUE
   REP        ISDD_OM_THRESHOLD   ONE_SEC

COMMAND
   QUI
```

Contents

POLL_SCHEDULER_DATA

Parameter name

Poll Scheduler Data

Functional description

This parameter establishes the day and time for the automated weekly polling routine to run within the switch.

Provisioning rules

This parm cannot be changed via the table editor. Therefore it can never be changed during the ONP by requesting a value in PARMMAIL. CI command POLLSCHD is provided for the customer to change the polling schedule if required.

Range information

The range information is as follows:

Value	Range	Default
Hour	0-23	11
Minute	0-59	21
Day	MON, TUE, WED, THU, FRI, SAT, SUN	TUE
Poll	LONG, SHORT, USAGE, MEMCALC	LONG
Compression	Y,N	Y

Activation

Immediate

Requirements

Not applicable

Results

Not applicable

Testing

Not applicable

Memory requirements

Not applicable

Dump and restore rules

Not applicable

Parameter history

This parameter was created in NA0011.

POLL_SCHEDULER_DEVICE

Parameter name

Poll Scheduler Device

Functional description

This parameter establishes the device in which automatically polled data will be stored for retrieval.

Provisioning rules

This parm cannot be changed via the table editor. Therefore it can never be changed during the ONP by requesting a value in PARMMAIL.

Range information

The range information is as follows:

Range	Default
Any valid device name	NTDEV

Activation

Immediate

Requirements

Not applicable

Results

Not applicable

Testing

Not applicable

Memory requirements

Not applicable

Dump and restore rules

Not applicable

Parameter history

This parameter was created in NA0011.

PRE_ANI_SPILL_DELAY

Parameter name

Pre-automatic Number Identification Spill Delay

Functional description

Switching units with outgoing trunks that perform wink and reversal signal calling number outpulsing require this parameter.

This parameter specifies the delay between receiving the calling number request signal (wink), and the outpulsing of the calling number.

Rules in provisioning

Specify the delay between receiving the calling number request signal (wink), and the outpulsing of the calling number, in 10-ms intervals.

The recommended value is 15.

Range information

Minimum	Maximum	Default
1	255	15

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

PRE_SND_WK_DD_TIME

Parameter name

Pre-send Wink Delay Dial Time

Functional description

This parameter specifies the delay, in 10-ms intervals, before the system sends a wink or delay dial signal.

The off-hook to on-hook transition (start dial) sends the wink and delay dial. This process must not occur until 210 ms after the system receives the connect signal.

To meet this requirement the DMS switch performs the following actions:

- a delay of the leading edge of wink and delay dial signals by 100 ms

- a minimum off-hook wink or delay dial signal of 140 ms

This time is the minimum that the DMS switch delays before the switch sends the leading edge of a wink or delay dial signal. For wink start trunks, the DMS switch does not start the delay timer until the switch is ready to receive digits. Additional delay can occur during setup for digit reception. The type of trunk and type of receiver used determine this additional delay.

Rules in provisioning

The recommended value to delay the leading edge of the signal for 100 ms is the default value 10.

To assign delay dial or wink to a trunk group, refer to Table TRKSGRP.

Range information

Minimum	Maximum	Default
		10 (100 ms)

Activation

When the peripheral module (PM) does not connect to a line trunk controller (LTC), you can change this parameter. Enter a busy (BSY) and return to service (RTS) command on the PM to change this parameter.

PRE_SND_WK_DD_TIME (end)

When the PM connects to an LTC, you can change this parameter. To change this parameter, perform one of the following to put the LTC through an RTS sequence:

- enter the BSY and RTS commands for both sides of the peripheral

- perform a double warm SWACT to update the active side and the side that is not active.

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

REC_MAX_DD_TIME

Parameter name

Recognize Maximum Delay Dial Time

Functional description

Parameter Recognize Maximum Delay Dial Time (REC_MAX_DD_TIME) specifies the maximum duration of time, in 160-ms intervals, that the system recognizes a signal as a delay dial signal. The system treats a delay dial signal greater than the value of this parameter as glare.

> *Note:* The signaling test result is accurate to ± 20 msec. If an external device generates the far-end signal, add the accuracy of this external device to the tolerance stated above.

Rules in provisioning

The recommended value to satisfy Blue Book standards is the default value of 32.

Table OFCSTD enforces the following relationship for changes to this parameter:

(REC_MAX_DD_TIME – REC_MIN_DD_TIME/16) + (WK_DD_PRE_DIAL_DELAY/16 + 1) <= 255

Range information

Minimum	Maximum	Default
		32 (5120 ms)

Activation

If the peripheral module (PM) is not connected to a line trunk controller (LTC), activate a change to this parameter. Busy (command BSY) and return to service (command RTS) the peripheral module at the PM level of a MAP terminal.

To activate a change to this parameter if the PM connects to an LTC, put the LTC through an RTS sequence. Busy and return to service the PM or perform a double warm SWACT to update the active and inactive sides.

REC_MAX_DD_TIME (end)

Dependencies

For assignment of delay dial to a trunk group, see table TRKSGRP.

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter name

Recognize Maximum Wink Time

Functional description

This parameter specifies the maximum time, in 10-ms intervals, that a signal can be a wink start signal. The system recognizes a wink signal greater than the value of this parameter as glare.

Note: The signaling test result is accurate to $\pm$ 20 ms. If the far-end signal generates from an external device, add the accuracy of this external device to the tolerance stated above.

Rules in provisioning

The default value of 35 meets the Blue Book standards. Do not change the default value.

Table OFCSTD enforces the following relationship for any change to this parameter:

(REC_MAX_WK_TIME – REC_MIN_WK_TIME)+ (WK_DD_PRE_DIAL_DELAY + 1)   255

Range information

Minimum	Maximum	Default
		35 (350 ms)

Activation

To change this parameter when the peripheral module (PM) does not connect to a line trunk controller (LTC), busy (BSY) and return to service (RTS) the PM. Enter the PM level of a MAP terminal.

To change this parameter when the PM connects to an LTC, RTS the LTC. Busy and RTS both sides of the PM or perform a double warm SWACT to update the active and inactive sides.

Dependencies

To assign a wink to a trunk group, refer to table TRKSGRP.

REC_MAX_WK_TIME (end)

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

REC_MIN_DD_TIME

Parameter name

Recognize Minimum Delay Dial Time

Functional description

This parameter specifies the minimum length, in 10-ms intervals, before the signal becomes a delay dial signal.

Note: The signaling test result is accurate to $\pm$ 20 ms. If the far-end signal generates from an external device, add the accuracy of this external device to the tolerance stated above.

Rules in provisioning

The default value of 10 meets the Blue Book standards. Do not change the default value.

Table OFCSTD enforces the following relationship for any change to this parameter:

(REC_MAX_DD_TIME – REC_MIN_DD_TIME/16) +
(WK_DD_PRE_DIAL_DELAY/16 + 1)   255

Range information

Minimum	Maximum	Default
		10 (100 ms)

Activation

If the peripheral module (PM) does not connect to a line trunk controller (LTC), busy (BSY) and return to service (RTS) the PM. Enter the PM level of a MAP terminal.

To change to this parameter when the PM connects to an LTC, RTS the LTC. Busy and RTS both sides of the PM or perform a double warm SWACT to update the active and inactive sides.

Dependencies

To assign delay dial to a trunk group, refer to table TRKSGRP.

REC_MIN_DD_TIME (end)

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

REC_MIN_WK_TIME

Parameter name

Recognize Minimum Wink Time

Functional description

This parameter specifies the minimum length, in 10-ms intervals, before the system recognizes the off-hook signal as a wink start signal.

Note: The signaling test result is accurate to $\pm$ 20 ms. If the far-end signal generates from an external device, add the accuracy of this external device to the tolerance stated above.

Rules in provisioning

The default value meets the Blue Book standards. Do not change the default value.

Table OFCSTD enforces the following relationship for any change to this parameter:

(REC_MAX_WK_TIME – REC_MIN_WK_TIME)
+(WK_DD_PRE_DIAL_DELAY + 1)   255

Range information

Minimum	Maximum	Default
		10 (100 ms)

Activation

Busy (BSY) and return to service (RTS) the LM switching units or reload the static data in the LTCs.

Dependencies

To assign a wink to a trunk group, refer to table TRKSGRP.

Consequences

Does not apply

REC_MIN_WK_TIME (end)

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

<div align="right">

REC_PRE_DD_TIME

</div>

Parameter name

Recognize Pre-delay Dial Time

Functional description

This parameter specifies the timeout period, in 160-ms intervals. This parameter specifies the timeout period for which the system receives the leading edge of a delay dial signal.

Rules in provisioning

Specify the timeout period, in 160 ms intervals, that the system receives the leading edge of a delay dial signal.

Range information

Minimum	Maximum	Default
2	32	3 (480 ms)

Activation

To change this parameter when the peripheral module (PM) does not connect to a line trunk controller (LTC), busy (BSY) and return to service (RTS) the PM. Enter the PM level of a MAP terminal.

To change this parameter when the PM connects to an LTC, RTS the LTC. Busy and RTS both sides of the PM or perform a double warm SWACT to update the active and inactive sides.

Dependencies

To assign a delay dial to a trunk group, refer to table TRKSGRP.

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

REC_PRE_DD_TIME (end)

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

REC_PRE_WK_TIME

Parameter name

Receive Pre-wink Time

Functional description

This parameter specifies the timeout period, in 160-ms intervals. This parameter specifies the timeout period for which the system receives the leading edge of a wink start signal.

Rules in provisioning

The default value of 35 meets the Blue Book standards. Do not change the default value.

Range information

Minimum	Maximum	Default
1	255	32 (5120 ms)

Activation

To change this parameter when the peripheral module does not connect to a line trunk controller (LTC), busy (BSY) and return to service (RTS) the PM. Enter the PM level of a MAP terminal.

To change this parameter when the PM connects to an LTC, RTS the LTC. Busy and RTS both sides of the PM or perform a double warm SWACT to update the active and inactive sides.

Dependencies

To assign a wink to a trunk group, refer to table TRKSGRP.

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

RONIXFR

Parameter name

Remote Operator Number Identification Transfer

Functional description

This parameter is for dump and restore. This parameter only appears in switching units with the Remote Operator Number Identification (RONI) transfer feature.

This parameter indicates if the Centralized Automatic Message Accounting (CAMA) position calls direct to a local or remote position.

Use the CI command RONIXFR to change the status of the dump and restore. This command produces the correct log message.

Rules in provisioning

The value can be REMOTE or LOCAL to route CAMA calls to remote or local positions.

Range information

Minimum	Maximum	Default
		LOCAL

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

<div align="right">

RP_INTER_SELECTION_TIMER

</div>

Parameter name

Revertive Pulsing Inter-selection Timer

Functional description

A switch with digital trunk groups of type TI or type TO with revertive pulsing, requires this parameter.

This parameter specifies the maximum time between two selections.

Rules in provisioning

Specify the maximum time between two selections, in 160-ms intervals.

Range information

Minimum	Maximum	Default
	255	50 (8 s)

Activation

To change this parameter when the peripheral module (PM) does not connect to a line trunk controller (LTC), busy (BSY) and return to service (RTS) the PM. Enter the PM level of a MAP terminal.

To change this parameter when the PM connects to an LTC, RTS the LTC. Busy and RTS both sides of the PM or perform a double warm SWACT to update the active and inactive sides.

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

RP_INTER_SELECTION_TIMER (end)

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

BCS14

This parameter was introduced in BCS14.

RP_INTRA_SELECTION_TIMER

Parameter name

Revertive Pulsing Intra-selection Timer

Functional description

Switches with digital trunk groups of types TI or TO, with revertive pulsing, require this parameter.

This parameter specifies the maximum time setup to transmit a selection.

Rules in provisioning

Specify the maximum time setup to transmit a selection, in 10-ms intervals.

Range information

Minimum	Maximum	Default
0	255	10 (100 ms)

Activation

If the peripheral module (PM) does not connect to a line trunk controller (LTC), activate a change to this parameter with the following action. Busy (command BSY) and return to service (command RTS) the peripheral module at the PM level of a MAP terminal.

If the PM connects to an LTC, activate a change to this parameter with the following action. Put the LTC through an RTS sequence. Busy and return to service the PM (both sides) or perform a double warm SWACT. This action updates the active and inactive sides.

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

RP_INTRA_SELECTION_TIMER (end)

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

Parameter history

BCS14

This parameter was introduced in BCS14.

RP_OVERALL_TIMER

Parameter name

Revertive Pulsing Overall Timer

Functional description

Switches with digital trunk groups of types TI or TO, with revertive pulsing, require this parameter. This parameter specifies the maximum time setup for the revertive pulsing sequence to complete.

Rules in provisioning

Specify the maximum time setup, in 160-ms intervals, for the revertive pulsing sequence to complete.

Range information

Minimum	Maximum	Default
0	255	125 (20 s)

Activation

If the peripheral module (PM) does not connect to a line trunk controller (LTC), activate a change to this parameter with the following action. Busy (command BSY) and return to service (command RTS) the peripheral module at the PM level of a MAP terminal.

If the PM connects to an LTC, activate a change to this parameter with the following action. Put the LTC through an RTS sequence. Busy and return to service the PM (both sides) or perform a double warm SWACT. This action updates the active and inactive sides.

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

RP_OVERALL_TIMER (end)

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

Parameter history

BCS14

This parameter was introduced in BCS14.

SCP_DELAY

Parameter name

Service Control Point (SCP) Delay

Functional description

Operating company personnel use office parameter SCP_DELAY for testing purposes only.

Provisioning rules

Specify the delay value for the SCP response to a message. This parameter value represents the length of time the SCP takes to respond to a message. The value is expressed in 10-ms units.

Valid response times for a database message are between 0 and 3 s. A message timeout condition occurs after 3 s.

Range information

Minimum	Maximum	Default
0	32767	0

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter requires 1 word of data store.

Dump and restore rules

Does not apply

SCP_DELAY (end)

Parameter history

BCS20

Service Switching Point Hooks (BC1990) introduced this parameter in
BCS20.

SHORT_TIMED_RELEASE_DISC_TIME

Parameter name

Short Timed Release Disconnect Time

Functional description

This parameter specifies the time for which the system times a called party on-hook. The parameter specifies the time before the called party on-hook releases the connection to the calling party. This parameter specifies time in 10-ms intervals.

Timed release disconnect (TRD) is a form of disconnect timing. The calling line disconnects after a specified time, if the calling line party fails to go on-hook when the called party goes on-hook. The system does not perform TRD timing on line-originated calls that terminate on residential (RES) lines. The system does not perform the above TRD timing when the system detects a terminating line disconnect signal. The system must detect a terminating line disconnect signal before an originating line disconnect signal. The system can detect an RES line disconnect signal before an originating line disconnect signal for a line-to-RES line call. When this action occurs, the system releases network connection between the two lines. The originating line goes in exit off-hook timing. The system can detect an RES line disconnect signal before a clear forward signal during a trunk-to-RES line call. When this action occurs, the system releases the network connection between the trunk and the line. The system places the originating trunk in guard timing. The system performs TRD on RES line-originated calls that terminate on other POTS lines. The system performs TRD on trunks that support TRD timing. The system performs TRD on these trunks when a terminating line or trunk disconnect signal occurs before an originating line disconnect signal.

This disconnect timing applies to the following types of calls with low setup costs or few resources. The user must deallocate these calls after use:

- line-to-line

- line-to-trunk (trunk group types PX, P2, and MDC)

- trunk- (trunk group types PX and P2) to-line

- trunk- (trunk group types PX and P2) to-trunk (trunk group types TO, TOPS, IT, OC, SC, A5, P2, PX, and MDC)

Rules in provisioning

The recommended value for this parameter is 208 (2.08 s). This value is short enough to free up resources after a disconnect of a local call. The value is long enough to ignore flashes. Older private branch exchanges (PBX) propagate into the network.

SHORT_TIMED_RELEASE_DISC_TIME (continued)

For calls that involve PCM30 line drawer (PLD) and the United Kingdom type of national user part (BTUP), the value of this parameter has specifications. The value of the parameter must equal the value field BTUPT1 in table C7UPTMR defines. This value guarantees the system performs correct re-answer timing for PLD and BTUP calls.

If the value of this parameter changes, central control (CC) uses the new value immediately in the billing adjustment procedures. The peripheral module (PM) uses old values to calculate call duration times until the user reloads the static data.

Reload the PMs immediately or billing discrepancies can occur. The values for this parameter are different in the CC and PM.

The following message displays when you make a change to this parameter:

```
WARNING: A RELOAD OF THE LM/LTC STATIC DATA MUST BE
PERFORMED TO ACTIVATE CHANGES TO THE VALUE OF THIS PARAMETER
```

Range information

Minimum	Maximum	Default
16	4080	208 (2.08 s)
	32767 (with Meridian OffNet Access)	16 (UK operating company type trunks)

Activation

To activate a change to this parameter, resend all line peripherals EXECS. For line modules (LM) and remote line modules (RLM), busy (BSY), load (LOADPM) and return to service (RTS) the peripheral. For XPM-based peripherals (LTC and LGC), busy the inactive unit (BSY INACTIVE). Reload static data to the inactive unit (LOADPM INACTIVE CC DATA) and return to service the inactive unit (RTS INACTIVE). Perform a warm swact (SWACT). BSY/RTS each unit of each LCM.

Dependencies

Does not apply

SHORT_TIMED_RELEASE_DISC_TIME (end)

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

Parameter history

CSP04

Activation information is updated in CSP04.

CSP02

The TRD limits for RES lines are added in the functional description.

BCS36

Activation information is corrected in BCS36.

BCS15

This parameter was introduced in BCS15.

SND_DD_TIME

Parameter name

Send Delay Dial Time

Functional description

This parameter specifies the duration, in 10-ms intervals, of the transmitted delay dial for DP trunks.

The value for multifrequency (MF) trunks is fixed.

Rules in provisioning

For assignment of delay dial to a trunk group, see table TRKSGRP.

Range information

Minimum	Maximum	Default
		15 (150 ms)

Activation

If the peripheral module (PM) does not connect to a line trunk controller (LTC), activate a change to this parameter with the following action. Busy (command BSY) and return to service (command RTS) the peripheral module at the PM level of an AP terminal.

If the PM connects to an LTC, activate a change to this parameter with the following action. Put the LTC through an RTS sequence. Busy and return to service the PM (both sides) or perform a double warm SWACT to update the active and inactive sides.

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

SND_DD_TIME (end)

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

SND_DP_WK_TIME

Parameter name

Send Dial Pulse Wink Time

Functional description

This parameter specifies the duration, in 10-ms intervals, for the transmitted wink for DP trunks.

Rules in provisioning

The default value of 15 satisfies Blue Book specifications. Do not change this value.

Range information

Minimum	Maximum	Default
1	255	15 (150 ms)

Activation

If the peripheral module (PM) does not connect to a line trunk controller (LTC), activate a change to this parameter with the following action. Busy (command BSY) and return to service (command RTS) the peripheral module at the PM level of a MAP terminal.

If the PM connects to an LTC, activate a change to this parameter with the following action. Put the LTC through an RTS sequence. Busy and return to service the PM (both sides) or perform a double warm SWACT to update the active and inactive sides.

Dependencies

For assignment of wink to DP trunks, see table TRKSGRP.

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

SND_DP_WK_TIME (end)

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

SND_MF_WK_TIME

Parameter name

Send Multi_Frequency Wink Time

Functional description

This parameter specifies the duration, in 10-ms intervals, for the transmitted wink for multi-frequency (MF) trunks.

Provisioning rules

Specify the duration, in 10-ms intervals, for the transmitted wink for MF trunks.

The recommended value is 21 for a UCS DMS-250 switch and 18 for DMS-MTX with digital trunk controllers (DTC).

For assignment of wink on MF trunks, see table TRKSGRP.

Range information

Minimum	Maximum	Default
1	255	15 (150 ms)

Activation

If the peripheral module is not connected to an LTC, an activation of a change to this parameter is done by issuing a busy (BSY) and return to service (RTS) on the peripheral module.

If the peripheral module is connected to an LTC, an activation of a change to this parameter is done by putting the LTC through an RTS sequence. Either BSY and RTS the entire peripheral (both sides) or perform a double warm SWACT to update both the active and inactive sides.

Dependencies

For assignment of wink on MF trunks, see table TRKSGRP.

Consequences

Setting the value of this parameter too high in a toll switch can cause signaling problems with certain types of carriers.

SND_MF_WK_TIME (end)

The value of this parameter may need to be altered to accommodate certain types of carriers.

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

SWHK_FLTR_TIME_400MS_ENABLED

Parameter name

Switch Hook Filter Time 400 ms Enabled

Functional description

This parameter sets the switch hook filter time on Meridian Digital Centrex (MDC) or private branch exchange (PBX) trunks to a value of 50 or 400 ms.

The switch hook filter time is the time that an off-hook state or an on-hook state must remain constant to be valid. On some outgoing trunks, the system translates transient off-hook or on-hook changes as answer followed by disconnect. An answer followed by disconnect cuts off calls when the switch hook filter time is 50 ms.

Rules in provisioning

The default value of N (no) provides a switch filter time of 50 ms for MDC and PBX trunks.

If the value of this parameter is set to Y (yes), the switch filter time on MDC and PBX trunks increases to 400 ms.

When this parameter has a value of Y (yes), use non-standard filter timing. The AMA timing can vary by the amount specified.

An error message displays if the user specifies a wrong value for this parameter. A warning message displays when you change the value of this parameter. This message reminds Northern Telecom personnel to resend EXECS on the affected peripheral modules.

To make a change to this parameter, load a module from an NT technical assistance service (TAS) non-resident tape. A read/write password protects this tape.

Range information

Minimum	Maximum	Default
		N

SWHK_FLTR_TIME_400MS_ENABLED (continued)

Activation

To activate a change to this parameter, resend the EXECS of a peripheral module that contains one of the following EXEC groups:

- TM8EX

- TM4EX

- FXODCM

- DCMEX

- DTCEX

- FXODTC

- DTCFX

- ADCMEX

Resend EXECS of old peripheral modules with these EXEC groups. Perform this action with the LOADPM command at the PM level of a MAP terminal.

On new peripheral modules, perform these steps at the PM level of a MAP terminal.

1. Busy (BSY) and return to service (RTS) the inactive unit.

2. Perform a warm SWACT.

3. If TRK121 log reports do not have start dial conditions, perform a cold SWACT.

If you change the parameter for a software load that follows (BCS or PCL), perform a dump and restore.

Dependencies

See office parameter SWHK_FLTR_TIME_640MS_ENABLED in table OFCSTD to set the switch hook filter time on trunks other than MDC or PBX.

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

SWHK_FLTR_TIME_400MS_ENABLED (end)

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

Parameter history

Software release BC21 relocates this parameter from table OFCOPT to table OFCSTD.

SWHK_FLTR_TIME_640MS_ENABLED

Parameter name

Switch Hook Filter Time 640 ms Enabled

Functional description

This parameter sets the switch hook filter time for trunks other than Meridian Digital Centrex (MDC) or private branch exchange (PBX) trunks. The parameter sets the time to a value of 50 or 640 ms.

The switch hook filter time is the time an off-hook state or on-hook state must remain constant to be a valid state. On some outgoing trunks, the system translates transient off-hook or on-hook changes as answer followed by disconnect. This condition cuts off calls when the switch hook filter time is 50 ms.

Rules in provisioning

The default value of N (no) provides a switch filter time of 50 ms for trunks other than MDC or PBX.

If the value of this parameter is set to Y (yes), the switch filter time on MDC or PBX trunks is increased to 640 ms.

When this parameter has a value of Y, use non-standard filter timing. The AMA timing can vary by the amount specified.

An error message appears if the user specifies a wrong value for this parameter. A warning message appears when the value of this parameter changes. This message reminds Northern Telecom personnel to send EXECS again to the affected peripheral modules.

To make a change to this parameter, load a module from an NT technical assistance service (TAS) non-resident tape. A read/write password protects this tape.

Range information

Minimum	Maximum	Default
		N

SWHK_FLTR_TIME_640MS_ENABLED (continued)

Activation

To activate a change to this parameter, resend EXECS to a peripheral module that contains one of the following EXEC groups:

- TM8EX

- TM4EX

- TM2EX

- FXODCM

- DCMEX

- DTCEX

- ADCMEX

- ATMEX

- FXODTC

- DTCFX

- ADCMIX

Resend EXECS to old peripheral modules that contain these EXEC groups. Use the LOADPM command at the PM level of a MAP terminal.

On new peripheral modules, perform these steps at the PM level of a MAP terminal.

1. Busy (BSY) and return to service (RTS) the inactive unit.

2. Perform a warm SWACT.

3. If TRK121 logs reports appear that do not have start dial conditions, perform a cold SWACT.

If you change the parameter for a software load that follows (BCS or PCL), perform a dump and restore.

Dependencies

See parameter SWHK_FLTR_TIME_400MS_ENABLED in table OFCSTD to set the switch hook filter time on MDC or PBX trunks.

Consequences

Does not apply

Verification

Does not apply

SWHK_FLTR_TIME_640MS_ENABLED (end)

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

Parameter history

This parameter was relocated from table OFCOPT to table OFCSTD in BCS21.

TRAP_THRESHOLD

Parameter name

Trap Threshold

Functional description

This parameter determines the number of traps that occur within 1 min before the user takes action.

If the number of traps that occur in 1 min reaches the value of this parameter, the system drops synchronization. The mate processor goes through a cold restart and activity switches to the mate processor.

Rules in provisioning

Expect some traps to occur normally. Do not set the value of this parameter to a value that is too low.

If the parameter is set too high, degradation can occur because recovery did not automatically occur. If the parameter is set too low, degradation can occur because of not warranted recovery attempts through a cold restart. The value for this parameter must be determined on the basis of these two conditions.

Software errors cause traps. Maximize the value of the parameter because the attempted recovery cannot always correct the trap. A limited amount of time is required to process a trap. A limit is present on the number of traps that can occur in 1 min.

The range of values for this parameter for each processor follows:

*   NT40: 100 to 4620

*   SuperNode: 100 to 5460

Set the parameter to the default value. Do not lower the parameter value unless NT Field Service Engineering (FSE) directs you to perform this action. The NT FSE determines if an attempt at automatic recovery in place of a sustained degradation is necessary.

Range information

Minimum	Maximum	Default
100	32767	1000

TRAP_THRESHOLD (end)

Activation

Immediate

Dependencies

Does not apply

Consequences

If the value of this parameter is set too high and traps occur, office degradation can result without an automatic recovery attempt.

If the value of this parameter is set too low and traps occur, automatically attempted recovery can cause office degradation. Automatically attempted recovery is through a cold restart.

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history
BCS29

This parameter was introduced in BCS29.

WK_DD_PRE_DIAL_DELAY

Parameter name

Wink Delay Dial Pre-dial Delay

Functional description

This parameter applies to outgoing, two-way delay dial and wink start trunks. This parameter specifies the delay between the trailing edge of the start signal and the outpulsing of digits.

In an equal access (EA) environment, this parameter affects the time between the first wink and digits that outpulse. This parameter affects the time between the next winks, when outpulsing follows.

Rules in provisioning

The recommended value is 8 (70 to 80 ms).

For information on assignment of delay dial and wink to trunk groups, see table TRKSGRP.

Range information

Minimum	Maximum	Default
8	100	8 (80 ms)

Activation

> **DANGER**
> **Possible multifrequency trunk service degradation**
> A change to this parameter can take effect immediately and cause degradation of service for multifrequency (MF) trunks.

BUSY (BSY) and RETURN TO SERVICE (RTS) the LMs of the switching unit or reload the static data in the LTCs.

Dependencies

Table OFCSTD enforces the following relationships if the user makes any change to this parameter:

WK_DD_PRE_DIAL_DELAY (end)

REC_MAX_WK_TIME ± REC_MIN_WK_TIME/16
+ WK_DD_PRE_DIAL_DELAY + 1   255

REC_MAX_DD_TIME ± REC_MIN_DD_TIME/16
+ WK_DD_PRE_DIAL_DELAY/16 + 1   255

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

XPM_PARITY_THRESHOLD

Parameter name

XMS-based Peripheral Module Parity Threshold

Functional description

Use this parameter to set the default parity threshold for XMS-based peripheral modules (XPM) after reload and cold restarts.

Each XPM stores a parity threshold value in the central control (CC). The system downloads the parity threshold to an XPM on a return to service (RTS). On cold or reload restarts, the system updates the CC RTS values with the value of this parameter.

In addition, on reload restarts, the system performs an RTS on all XPM units. The system downloads the value of this parameter to all XPM units.

You can update the parity threshold for an XPM between restarts with the FILTER command. The FILTER command is in the NET:INTEG MAP level or the ENET:ENINTEG MAP level. You can use the FILTER command to query the current parity threshold for an XPM. The FILTER command displays the CC RTS value and the downloaded values for each unit.

Rules in provisioning

Only Northern Telecom personnel can change this parameter.

Activation

Immediate

When an in-service office requires a change to this parameter, use the FILTER command to change the parity threshold for each XPM. Change the parity threshold for each XPM to the new value before you change this parameter. When the user reduces the value, excess parity failures must be resolved before the user changes this parameter.

Dependencies

Does not apply

Consequences

During an XPM WarmSwact, NET102 (JNET) or ENCP100 (ENET) LOGUTIL reports can report network parity errors that are not correct. Ignore these WarmSwact related errors. An increase in the value of XPM_PARITY_THRESHOLD reduces reports of network errors WarmSwact causes.

XPM_PARITY_THRESHOLD (end)

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

XPM03B

Added statement of results about network parity errors during a WarmSwact.

BCS19

This parameter was introduced in BCS19.

2 OFCVAR parameters

This chapter describes the Variable Office (OFCVAR) parameter table. Table OFCVAR lists parameters whose values are defined by the operating company. The values of these parameters are submitted to Northern Telecom (NT) by the operating company at the initial input. At all other times, the operating company can use the table editor to change the value of these parameters.

Unless a specific type of switch or feature is specified, the parameter is required. If the parameter is not required and memory is involved, set PARMVALUE to the minimum value.

Memory automatically allocates for 512 OFCVAR parameters in the System Data table.

The OFCVAR parameters initialize with the default values.

The following information is given for each parameter in table OFCVAR:

- parameter name
- a brief functional description
- the provisioning rules required to determine the value
- the default value and the range of values
- the procedure required to activate any change made to the value of a parameter
- dependencies, if any
- the consequences, if any, of exceeding the value specified
- the procedure to verify the parameter, if any
- the memory to be allocated for the parameter, if any
- the operational measurements assigned to the parameter, if any
- the dump and restore rules required for retrofitting the software by software release
- the parameter history

Description of field names

Table 2-1

Field name	Entry	Explanation
PARMNAME	alphanumeric	*Parameter name*
		The parameter names are defined in this section.
PARMVALUE	alphanumeric	*Parameter value*
		The parameter values—minimum, maximum, and default—are defined in this section.

Example

The following is an example of changing a parameter value from no to yes.

For initial input, use the replace (REP) command when changing the default value of the option.

```
COMMAND      TABLE_NAME
    TAB      OFCVAR

COMMAND      PARMNAME               PARMVALUE
    REP      TOPS_ZERO_FB_REG       Y

COMMAND
    QUI
```

ACCTCODES_ON_OPERATOR_CALLS

Parameter name

Account Codes On Operator Calls

Functional description

This parameter eliminates the account collecting stage of calls handled by the operator. Therefore, the dialing plans of subscribers who use this feature may change slightly. Without this frequency, loads remain unbound.

Note: This parameter is only for Enhanced Operator Services customers.

Provisioning rules

None

Range information

The range of values for this parameter is Y or N. When set to N, the account collecting stage for calls handled by the operator is eliminated.

Minimum	Maximum	Default
		Y

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

ACCTCODES_ON_OPERATOR_CALLS (end)

Parameter history

BCS32

This parameter was introduced in BCS32.

ACCT_DCP_RESPONSE_TIMEOUT

Parameter name

Account Digital Control Point (DCP) Response Timeout

Functional description

This parameter indicates the amount of time that the authcode application TESTSS and call processing wait for a response from the DCP. This parameter is the default for the optional timeout value for the TESTSS ACCTSS command.

If an insufficient quantity of units is specified, queries are cancelled before any responses are received.

> *Note:* This parameter does not apply to UCS customers.

Provisioning rules

None

Range information

This value is expressed in seconds.

If this feature is not required, set the value to 0.

Minimum	Maximum	Default
1	5	2

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

Each unit requires one word of memory.

ACCT_DCP_RESPONSE_TIMEOUT (end)

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

ACK_WINK_DELAY_TIME

Parameter name

Acknowledgement Wink Delay Time

Functional description

This parameter specifies the delay in 10-ms intervals between the acknowledgement wink and the address sequence received.

Note: This parameter is not used by the UCS DMS-250 switch.

Provisioning rules

None

Range information

Minimum	Maximum	Default
1	255	20

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

ACTIVATE_INTER_INTRA_UNANS_CALL

Parameter name

Activate Inter-networks Intra-networks Unanswered Call

Functional description

When the UCS DMS-250 switch receives an address completion message (ACM) from the terminating trunk, the value of this parameter determines whether ACM is reported to the central core or not. When this parameter is set to Y, the ACM is reported to the central core from the Extended Peripheral Module. When the final switch parameter is present in the ACM, the information will be recorded in the call detail record. When this parameter is set to N, the ACM is not reported to the central core.

Provisioning rules

Not applicable

Range information

The range of values is Y or N.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

The real-time impact on the switch will increase once this parameter is set to Y.

Verification

This parameter is verified by checking the value of the parameter in table OFCVAR.

Memory requirements

This parameter requires one word of memory.

ACTIVATE_INTER_INTRA_UNANS_CALL (end)

Dump and restore rules

Not applicable

Parameter history

UCS05

This parameter was introduced in UCS05.

ACT_CPLOAD_HI

Parameter name

ACT_CPLOAD_HI

Functional description

This parameter corresponds to a high threshold of call processing load (CPLOAD) which is the precent CPU for call processing occupancy. It stores the value at which call throttling should start.

Provisioning rules

None

Range information

The range of values is 1 to 100.

Minimum	Maximum	Default
1	100	100

Activation

Immediate

Dependencies

This parameter is used only when software optionality control (SOC) UBFR0005 is set to ON. Otherwise it is ignored. Also, if CDR_FOR_ISUP is set to Y and the SOC is ON, even if the CPLOAD is set, the CDR throttling will not take effect. If CDR_FOR_ISUP is set to N and the SOC is ON, CDR will take effect.

Consequences

If set too high, trigger throttling is too late to be effective or if set too low, throttling occurs earlier than necessary.

Verification

Attempts to change the value of this parameter will trigger the aspect procedure to ensure that the HIGH CPLOAD threshold (ACT_CPLOAD_HI) is always greater than the LOW CPLOAD threshold (ACT_CPLOAD_LO).

Memory requirements

One word.

Dump and restore rules

Not applicable.

Parameter history

UCS09

The ACT_CPLOAD_HI parameter was introduced (AX1321).

ACT_CPLOAD_LO

Parameter name

ACT_CPLOAD_LO

Functional description

This parameter corresponds to a low threshold of call processing load (CPLOAD) which is the precent CPU for call processing occupancy. This parameter corresponds to the same index as ACT_CPLOAD_HI but is used to specify the index below or at which call throttling should stop.

Provisioning rules

Not applicable

Range information

The range of values is 0 to 99.

Minimum	Maximum	Default
0	99	99

Activation

Immediate

Dependencies

This parameter is used only when software optionality control (SOC) UBFR0005 is ON. Otherwise it is ignored. Also, if CDR_FOR_ISUP is set to Y and the SOC is ON, even if the CPLOAD is set, the CDR throttling will not take effect. If CDR_FOR_ISUP is set to N and the SOC is ON, CDR will take effect.

Consequences

If the parameter is set too high, the switch may not be adequately protected. If it is set too low, the switch may continue to throttle.

Verification

Attempts to change the value of this parameter will trigger the aspect procedure to ensure that the HIGH CPLOAD threshold (ACT_CPLOAD_HI) is always greater than the LOW CPLOAD threshold (ACT_CPLOAD_LO).

ACT_CPLOAD_LO (end)

Memory requirements

One word.

Dump and restore rules

Not applicable.

Parameter history

UCS09

The ACT_CPLOAD_LO parameter was introduced (AX1321).

ACT_RU_HI

Parameter name

Automatic CDR Throttling Recording Unit High

Functional description

This parameter defines the percentage of the total pool of UCS DMS-250 recording units (NO_OF_DMS250_REC_UNITS) that trigger throttling of calls if the number in use at one time reaches or exceeds this percentage.

The threshold of recording units at which throttling starts is raised or lowered by changing this parameter.

Provisioning rules

None

Range information

The range of values is 1 to 100.

Minimum	Maximum	Default
1	100	100

Activation

Immediate

Dependencies

This parameter is used only when software optionality control (SOC) UBFR0005 is set to ON. Otherwise this feature is not activated. Also, if CDR_FOR_ISUP is set to Y and the SOC is ON, even if the RU is set, the CDR throttling will not take effect. If CDR_FOR_ISUP is set to N and the SOC is ON, CDR will take effect.

Consequences

If this parameter is set too high, throttling will not start in time to prevent exhaustion of the recording unit pool. In that event, no recording units will be available to collect billing information for billable calls. If the parameter is set too low, unnecessary loss of data for IMT calls may occur.

Verification

Attempts to change the value of this parameter will trigger the aspect procedure to ensure that the HIGH RU usage threshold (ACT_RU_HI) is always greater than the LOW RU usage threshold (ACT_RU_LO).

Memory requirements

One word of memory.

Dump and restore rules

Not Applicable

Parameter history

UCS09

Parameter ACT_RU_HI was introduced (AX1321).

ACT_RU_LO

Parameter name

Automatic CDR Throttling Recording Unit Low

Functional description

This parameter defines the percentage of the total pool of UCS DMS-250 recording units that cause throttling of calls to stop if the number in use at one time drops below or is equal to this percentage. The threshold of recording units at which throttling should stop can be raised or lowered by changing this parameter.

Provisioning rules

None

Range information

The range of values is 0 to 99.

Minimum	Maximum	Default
0	99	99

Activation

Immediate

Dependencies

This parameter is used only when software optionality control (SOC) UBFR0005 is set to ON. Otherwise it is ignored. Also, if CDR_FOR_ISUP is set to Y and the SOC is ON, even if the RU is set, the CDR throttling will not take effect. If CDR_FOR_ISUP is set to N and the SOC is ON, CDR will take effect.

Consequences

The value of ACT_RU_LO must be less than the value of ACT_RU_HI. Once throttling has gone into effect, recording units are not used for INTRA IMT originated calls. As soon as throttling stops, recording units are re-started and used for INTRA IMT originated calls. Since IMT originated calls constitute a high percentage of the traffic on the switch, they cause a rapid rise in the number of recording units in use. Therefore the LO threshold must be

sufficiently lower (at least 20% lower) than the HI threshold to give the switch a buffer zone, otherwise throttling is triggered again in a very short order.

Verification

Attempts to change the value of this parameter will trigger the aspect procedure to ensure that the HIGH RU usage threshold (ACT_RU_HI) is always greater than the LOW RU usage threshold (ACT_RU_LO).

Memory requirements

One word

Dump and restore rules

Not Applicable

Parameter history
UCS09

A new parameter was introduced (AX1321).

ADIN_FOR_FILED_AUTH

Parameter name

ADIN_FOR_FILED_AUTH

Functional description

This parameter is used to index into table AUTHDIN for filed authcode calls originated on Mexican Regional Number 2 (R2) signalling.

Provisioning rules

Not applicable

Range information

Minimum	Maximum	Default
00	99	00

Activation

Immediate

Dependencies

None

Consequences

Not applicable

Verification

Verify this parameter by checking the value against the index in table AUTHDIN, if there is no entry, the Invalid Authcode (INAU) treatment is given. This indicates that the parameter is invalid.

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

ADIN_FOR_FILED_AUTH (end)

Parameter history

UCS07

This parameter was introduced in UCS07 in a feature package that provides Table Control for supporting Mexican R2 trunks on the UCS DMS-250 switch.

AFT_REMOVE_COPY_TO_TAPE

Parameter name

Automatic File Transfer (AFT) Remove Copy To Tape

Functional description

Automatic File Transfer (AFT) has previously required files to be copied to tape before they could be marked as "Processed." Until the file is marked as Processed, the Device Independent Recording Package (DIRP) system cannot make use of the disk space upon which the file resides. The requirement forces customer to manually removed files that do not need to be copied to tape. This feature removes the "copy to tape before making as Processed" requirement for files in all DIRPs subsystems except for the Other Common Carrier (OCC).

AFT_REMOVE_COPY_TO_TAPE marks all files from non-OCC subsystems as Processed when they have been successfully transferred so that they no longer must be copied to tape after being successfully transfer. Copying to tape for these files is optional. Only files in DIRP's OCC subsystem must be copied to tape after being successfully transferred.

Note 1: Table DIRPHOLD is a directory for all the closed files that require transmission.

Note 2: Processed files sometimes can be found on the disk (file name starting with "P") if RETPD specified in table DIRPSSYS has not been expired.

Provisioning rules

Not applicable

Range information

The range of values is Y or N.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

AFT_REMOVE_COPY_TO_TAPE (end)

Consequences

Not applicable

Verification

To verify AFT_REMOVE_COPY_TO_TAPE, look for the following
information when AFT_REMOVE_COPY_TO_TAPE equals Y:

*   Non-OCC subsystem files are marked as Processed and removed from in
    the table DIRPHOLD after successful transfer. (An example is the first
    letter of the file name changes from "U" to "P").

*   All OCC subsystem files are marked as Unprocessed until copied to tape.

Memory requirements

AFT_REMOVE_COPY_TO_TAPE requires one word of datastore.

Dump and restore rules

Not applicable

Parameter history

UCS05

This parameter was introduced in UCS05.

ALLOW_EMPTY_ACSCRN

Parameter name

Allow Empty Acscrn

Functional description

If no account code digits are provisioned against a defined index, the validation is based on the value of ALLOW_EMPTY_ACSCRN office parameter. If ALLOW_EMPTY_ACSCRN is set to Y, then an account code validation index with no account codes provisioned in table ACSCRN2 assumes that any account code collected is valid and the call continues. If this parameter is set to N and a validation attempt is made using an account code validation index that has no account codes provisioned against it, then the call receives Invalid Account Code treatment.

Provisioning rules

Not applicable

Range information

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

To verify this parameter, establish a call where no account code digits are provisioned against a defined index in ACSCRN2. Use the following steps:

1. Set ALLOW_EMPTY_ACSCRN to Y. Verify that account code collect is valid and the call continues.

2. Set ALLOW_EMPTY_ACSCRN to N. Verify that the call receives Invalid Account code treatment.

ALLOW_EMPTY_ACSCRN (end)

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

Parameter history
UCS05

This parameter was introduced in UCS05.

ALLOW_PARTIAL_ACCT_VAL

Parameter name

Allow Partial Account Validation

Functional description

ALLOW_PARTIAL_ACCT_VAL allows successful account code validation.
If more digits are collected than required to be validated against an index,
partial validation may occur based on the set value of this parameter.

Provisioning rules

Not applicable

Range information

The range of values is Y or N. If ALLOW_PARTIAL_ACCT_VAL is set to
Y, then partial validation is allowed. If ALLOW_PARTIAL_ACCT_VAL is
set to N, then partial validation is not allowed, and the call generates a database
trouble log (TRK255) and receives a reorder treatment. The call is handled the
same as it was prior to the implementation of this feature.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

To verfity ALLOW_PARTIAL_ACCT_VAL, establish a call with more
collected digits than required for validation in index ACSCRN2. Use the
following steps:

1. Declare in AUTHCODU: ACCLEN = 6

2. Declare in ACSCRN2: Account code screening index = 5

3. Set the account code digits of the call to 6112216

ALLOW_PARTIAL_ACCT_VAL (end)

4. Set the parameter ALLOW_PARTIAL_ACCT_VAL to Y.Verify that partial validation is allowed and the call continues.

5. Set the parameter ALLOW_PARTIAL_ACCT_VAL to N.Verify that that call generates a database trouble log (TRK255) and receives reorder treatment.

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

Parameter history

UCS05

This parameter was introduced in UCS05.

ALL_RLT_OPR_CALLS

Parameter name

All Release Link Trunk Operator Services Calls

Functional description

ALL_RLT_OPR_CALLS determines whether or not non-operator calls made over RLT trunks should be treated as operator services calls.

Provisioning rules

Not applicable

Range information

The range of values is Y or N.

Minimum	Maximum	Default
		Y

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

To verify this parameter, if RLT_FIRST_ANM_BILLING equals Y, make a call to an ESP with multiple redirections and confirm that billing begins with the first ANM message.

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

ALL_RLT_OPR_CALLS (end)

Parameter history

UCS05

This parameter was introduced in UCS05.

AMA_FAILURE_ROUTE_POSITION

Parameter name

Automatic Message Accounting Failure Route Position

Functional description

A switch with the Automatic Message Accounting (AMA) failure routing options requires this parameter.

Rules in provisioning

If office parameter AMA_FAILURE_FREE_CALL in Table OFCENG is set to N (no), enter this parameter. Enter this parameter to indicate, in table POSITION, the allocation of all AMA failure calls (CAMA and LAMA).

The values for this parameter are as follows:

- NONE
- CAMA
- TOPS
- CTOP
- AMRX
- RTE1
- RTE2
- RTE3
- RTE4
- TSPS
- AMAFAIL
- AOSS
- OOC

Range information

Minimum	Maximum	Default
		AMAFAIL

AMA_FAILURE_ROUTE_POSITION (end)

Activation

Immediate

Dependencies

The system takes calls out of service along with CCB and CDB dumps, with the following conditions:

- the system routes AMA failure calls to position AMAFAIL in the POSITION table

- position AMAFAIL does not contain a route index from the OFRT table

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter requires 1 word of memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

ANIDELV_FEAT_ACT

Parameter name

Account Number Identification (ANI) Delivery (ANIDELV) Feature Active

Functional description

This office parameter enables the call processing controls from the ANI Delivery feature.

Provisioning rules

Not applicable

Range information

The range of values for this parameter is Y or N.

When this parameter is set to N, ANI is delivered regardless of the settings of related datafill. When this parameter value is set to Y, ANI is delivered based on the settings of various table parameters associated with the ANI Delivery feature.

Minimum	Maximum	Default
		N

Activation

The following are various methods of change activation:

- If NSER0001 is set to "ON," change is immediate. Parameter ANIDELV_FEAT_ACT does not change.

- If NSER0001 is not set to "ON" and the parameter is set to Y, the change is rejected and the following message is displayed: Error: SOC NSER0001 must be activated

- If NSER0001 is changed to ON, the following message is displayed: ANIDELV_FEAT_ACT must be set to Y to activate ANI Delivery controls

- If NSER0001 is set to "IDLE," and the parameter is set to Y, the following message is displayed: Warning: Office Parameter ANIDELV_FEAT_ACT has been set to N

Dependencies

None

ANIDELV_FEAT_ACT (end)

Consequences

Not applicable

Verification

This parameter activates ANI Delivery controls on associated trunk groups corresponding to the delivery of ANI.

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

If NSER0001 is not set to "ON" and ANIDELV_FEAT_ACT is set to Y, then the following SWER is displayed on the restore side:

SWER   DEC19 15:02:38 0000

REASON=0001, PROCID=#A505 #603A: TABXFRPR, TEXT=Turn on NSER0001

PROBLEM IN MODULE: CCOFCGI.BL01

0D3CA274=CCOFCGI.BL01:ANIDELV_FEAT_ACT_R+#0068

As a result of this check, ANIDELV_FEAT_ACT is set to N.

If NSER0001 is "On" and ANIDELV_FEAT_ACT is set to Y or N, then the dump values are the same on the restore side.

Parameter history

UCS07

This parameter was changed in UCS07.

BCS31

This parameter was introduced in BCS31.

ANI_SCREENING_ORDER

Parameter name

Automatic Number Identification (ANI) Screening Order

Functional description

ANI_SCREENING_ORDER controls the ANI screening process. This parameter allows the service provider to minimize real-time impact during a migration from table ANISCUSP to the new ANI screening tables ANIVAL and UNIPROF.   In a future software load table ANISCUSP will be removed and at that time ANI_SCREENING_ORDER will also be removed since this parameter will not be necessary.

Provisioning rules

Not applicable

Range information

The values for this parameter are ANISCUSP, ANIVAL, ANIVAL_ANISCUSP, ANISCUSP_ANIVAL. The following list explains these values:

- ANISCUSP is the default value. This value allows screening of the ANI using table ANISCUSP only.

- ANIVAL is the value that allows screening of the ANI using table ANIVAL and UNIPROF only.

- ANIVAL_ANISCUSP allows the following: table ANIVAL is searched for the ANI first.

  — If the ANI is not found in table ANIVAL, then table ANISCUSP is searched.

  — If the ANI is not found in either table and the ANI is a 10-digit ANI, table ANIVAL is searched for the 6-digit ANI (NPA-NXX).

  — If the six-digit ANI is not found in table ANIVAL, then table ANISCUSP is searched.

  — If the ANI is not found in either table, table ANIVAL is searched for the three-digit ANI (NPA).

ANI_SCREENING_ORDER (continued)

     — If the three-digit ANI is not found in table ANIVAL, then table ANISCUSP is searched.

     — If the ANI is found in the secondary table, ANISCUSP, the VAL2CUSP OM register in OM group ANIOVFL is pegged.

- ANISCUS_ANIVAL allows the following: Table ANISCUSP is searched for the ANI first.

     — If the ANI is not found in table ANISCUSP, then table ANIVAL is searched.

     — If the ANI is not found in either table and the ANI is a 10-digit ANI, table ANISCUSP is searched for the 6-digit ANI (NPA-NXX).

     — If the six-digit ANI is not found in table ANISCUSP, then table ANIVAL is searched.

     — If the ANI is not found in either table, table ANISCUSP is searched for the three-digit ANI (NPA).

     — If the three-digit ANI is not found in table ANISCUS, then table ANIVAL is searched.

     — If the ANI is found in the secondary table, ANIVAL, the CUSP2VAL OM register in OM group ANIOVFL is pegged.

Minimum	Maximum	Default
		ANISCUSP

Activation

     Immediate

Dependencies

     None

Consequences

     Not applicable

Verification

     Not applicable

Memory requirements

     This parameter requires one word of memory.

ANI_SCREENING_ORDER (end)

Dump and restore rules

Not applicable

Parameter history

UCS07

This parameter was introduced in UCS07.

ANS_DELAY_TIME

Parameter name

Answer Delay Time

Functional description

This parameter specifies the time answer must be delayed after termination of the acknowledgement wink, in 10-ms intervals.

Provisioning rules

None

Range information

Minimum	Maximum	Default
1	255	25

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

ATD_QUEUE_TIMEOUT

Parameter name

Audio Tone Detector (ATD) Queue Timeout

Functional description

This parameter specifies the wait time, in 1-second increments, to queue for an idle ATD.

Provisioning rules

None

Range information

Minimum	Maximum	Default
1	10	5

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

Each unit requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

ATD_TIMEOUT_OPTION

Parameter name

Audio Tone Detector (ATD) Timeout (ATDT) Option

Functional description

This parameter determines the action to be taken upon ATD default timer expiration.

Provisioning rules

None

Range information

The range of values for this parameter is Y or N. If the parameter is set to Y, the call is routed to the ATDT treatment and is forced released without being billed. The announcement that the subscriber receives under the ATDT treatment is definable by the customer. If set to N, the connection is maintained pending calling subscriber disconnect. The call is optionally billed.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

AUTH_DCP_RESPONSE_TIMEOUT

Parameter name

Authcode Digital Control Point (DCP) Response Timeout

Functional description

This parameter indicates the amount of time that the authcode application TESTSS and call processing wait for a response from the DCP. This parameter is the default for the optional timeout value for the TESTSS AUTHSS command.

Provisioning rules

None

Range information

The range of values for this parameter is in seconds.

If this feature is not required, the value of this parameter should be set to 0.

Minimum	Maximum	Default
1	5	2

Activation

Immediate

Dependencies

Not applicable

Consequences

If an insufficient quantity of units is specified, queries are cancelled before any responses are received.

Verification

Not applicable

Memory requirements

Each unit requires one word of memory.

AUTH_DCP_RESPONSE_TIMEOUT (end)

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

BUFFER_THRESHOLDED_REPORTS

Parameter name

Buffer Thresholded Reports

Functional description

This parameter controls the removal of log reports that do not print because of the log threshold process.

Rules in provisioning

If this parameter is set to Y (yes), reports that do not print are in the log buffer. The reports are accessible by the use of logutil.

If this parameter is set to N (no), the system discards the reports.

Range information

Minimum	Maximum	Default
		Y

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

BUILD_CHARGE_FROM_DEFCLID

Parameter name

Build Charge Number Parameter from the Default CLID

Functional description

The BUILD_CHARGE_FROM_DEFCLID is a boolean parameter which when set to Y activates building the ISUP Charge Number and OLI parameters from the existing CALLATTR DEFCLID field and the new DEFOLI and DEFCLIDNPT CALLATTR options.

Provisioning rules

None

Range information

The range information is as follows:

Minimum	Maximum	Default
		N

Activation

Immediate

Requirements

Not applicable

Results

Not applicable

Testing

Not applicable

Memory requirements

This parameter is a boolean parameter and requires 1 extra bit at IPL.

Dump and restore rules

Not applicable

Parameter history

This parameter was created in UCS14.

BUILD_ISUP_APP_SAP

Parameter name

Build ISUP Application Transport Parameter and Service Activation
Parameter

Functional description

This parameter controls the ability to create an Application Transport
Parameter (APP) and/or a Service Activation Parameter (SAP).

Provisioning rules

NONE

Range information

Minimum	Maximum	Default
		N

Activation

Immediate

Range of values

"Y", "N"

Results

Does not apply

Parm value

Set when feature not activated: "N"

Default value

"N"

Memory requirements

This office parameter requires 1 bit of data store.

Dump and restore rules

If the office parameter exists in the previous version then the value should be
copied over as is. Otherwise it should be set to "N".

BUILD_ISUP_APP_SAP (end)

Parameter history
A60009591
This parameter was introduced in UCS15.

C7LINK_DEFAULT_SUERM

Parameter name

Channel 7 Default Signal Unit Error Rate Monitor (SUERM)

Functional description

This parameter defines the default SUERM value for all signaling links in table C7LINK.

Provisioning rules

None

Range information

The range of values for this parameter is defined in number of errors.

Minimum	Maximum	Default
32	255	128

Activation

Every link in table C7LINK must be DEACT and ACT to make the change effective. A warning message reminds you to deactivate and activate all links in table C7LINK.

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of the parameter or consult Nortel Customer Engineering.

C7LINK_DEFAULT_SUERM (end)

Parameter history
BCS32
This parameter was introduced in BCS32.

C7UP_RSC_LOG_THRESHOLD

Parameter name

C7UP Release Complete Log Threshold

Functional description

This parameter specifies the time interval between Integrated Services Digital Network User Part (ISUP) trunk audits. This audit indicates the number of ISUP trunks that are in the state of lockout (LO). A release complete (RLC) message timeout causes these LO state. The system can generate log report C7UP123 as a result of the audit.

The following is a sample of a C7UP123 log report:

```
C7UP123 OCT23 12:00:00 2112 INFO RSC_NOT_RECEIVED
10 OF THE 100 TRUNKS (10%) IN ISUPITOG 0
REMAIN LO DUE TO RLC TIMEOUT.
ROUTESET C7RTESET1 IS IN SERVICE.
AUDIT INTERVAL IS 15 MINUTES.
```

Rules in provisioning

The default value for this parameter is 15 min. The system activates ISUP trunk audit in intervals of 10 min. The trunk audit occurs along with the throttling mechanism for logs C7UP100 and C7UP300. A value of 10 min. is the lowest possible audit interval.

Operating companies that do not want to activate this feature must set the value of this parameter to 0 (zero).

Range information

Minimum	Maximum	Default
0 (min)	60 (min)	15 (min)

Activation

Immediate

Dependencies

Does not apply

C7UP_RSC_LOG_THRESHOLD (end)

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter requires 1 word of memory.

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

C7_CHGOVER_SLMPR_THRESHOLD

Parameter name

C7 Changeover Signaling Link Marginal Performance Report Threshold

Functional description

This parameter associates with the Signaling Link Marginal Performance Report (SLMPR) feature. Every hour, the SLMPR feature reports all signaling links that exceed a minimum of one of the following threshold values:

- signaling units in error
- negative acknowledgments received
- automatic changeovers

This parameter specifies the threshold number of link changeovers. If the count of changeovers is more than this value, the hourly report lists the link. This parameter associates with the OM register C7AUTOCO in OM group C7LINK1.

Rules in provisioning

Set the value of this parameter to represent the threshold number of link changeovers.

Range information

Minimum	Maximum	Default
0	32767	4

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

C7_CHGOVER_SLMPR_THRESHOLD (end)

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

BCS29

This parameter was introduced in BCS29.

C7_NACK_ERROR_SLMPR_THRESHOLD

Parameter name

C7 Negative Acknowledgments Error Signaling Link Marginal Performance Report Threshold

Functional description

This parameter associates with the Signaling Link Marginal Performance Report (SLMPR) feature. Every hour, SLMPR feature reports all signaling links that exceed a minimum of one of the following threshold values:

- signaling units in error

- negative acknowledgments (NACK) received

- automatic changeovers

This parameter specifies the threshold number of NACKs received. If the count of NACKs is more than this value, the hourly report lists the link. This parameter associates with the OM register C7NACKRX.

Range information

Minimum	Maximum	Default
	32767	400

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

C7_NACK_ERROR_SLMPR_THRESHOLD (end)

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

BCS29

This parameter was introduced in BCS29.

C7_PDU_ERROR_SLMPR_THRESHOLD

Parameter name

CCS7 Service Specific Connection Oriented Protocol Errored Protocol Data Unit Signaling Link Marginal Performance Report Threshold

Functional description

This parameter creates a process that, once per hour, examines the holding data in the operational measurement (OM) system for accumulation class C7_SLMPR. The process reports all links in table C7LINK that exceed the office parameter.

This parameter is associated with OM group C7HSLAL2 and register C7SEPSEC. Register C7SEPSEC is the counter for high-speed link interface unit (HLIU)-based CCS7 links. If the value in register C7SEPSEC exceeds the value in parameter C7_PDU_ERROR_SLMPR_THRESHOLD, a CCS120 log is generated.

Provisioning rules

None

Range information

Minimum	Maximum	Default
1	9999	2

Activation

Immediate

Dependencies

OFCVAR

Consequences

Logs that report exceeded performance parameter thresholds are generated unnecessarily when this parameter is under-provisioned.

Logs that report exceeded threshold performance parameters fail to be produced when this parameter is over-provisioned.

C7_PDU_ERROR_SLMPR_THRESHOLD (end)

Verification

To verify this parameter, the performance measurement number must exceed the parameter threshold number.

Memory requirements

There are no dump and restore rules.

Dump and restore rules

There are no dump and restore rules.

Parameter history

CSP07

This parameter was introduced.

C7_SLMPR_ALARM_ON

Parameter name

C7 Signaling Link Marginal Performance Report Alarm On

Functional description

This parameter associates with the Signaling Link Marginal Performance Report (SLMPR) feature. Every hour, the feature reports all signaling links that exceed a minimum of one of the following limit values:

- signaling units in error

- negative acknowledgments(NACK) received

- automatic changeovers.

This parameter allows the feature to set a link minor alarm. This parameter also allows the feature to change the link state from In Service (InSu) to In Service Trouble (ISTb) against a link that exceeds a threshold value.

Rules in provisioning

Set the parameter value to Y(yes) to allow the feature to set alarms against links or change the link state.

Set the value of this parameter to N (no) so that the feature cannot set alarms or change the link state.

Range information

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

C7_SLMPR_ALARM_ON (end)

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

This parameter was introduced in BCS29.

C7_SSCOP_CON_SLMPR_THRSHOLD

Parameter name

CCS7 Service Specific Connection Oriented Protocol Connection Signaling Link Marginal Performance Report Threshold

Functional description

This parameter generates a log when a performance parameter exceeds its specified threshold.

This parameter is associated with with operational measurement (OM) group C7HSLAL2, register C7SCSEC. Register C7SCSEC counts the sum of errors in the SSCOP connection. If the value in register C7SCSEC exceeds the value in C7_SSCOP_CON_SLMPR_THRSHOLD, log CCS120 is generated.

Rules in provisioning

There are no rules in provisioning.

Range information

Minimum	Maximum	Default
1	9999	16

Activation

Immediate

Dependencies

OFCVAR

Consequences

Logs that report exceeded performance parameter thresholds are generated unnecessarily when this parameter is under-provisioned.

Logs that report exceeded threshold performance parameters fail to be produced when this parameter is over-provisioned.

Verification

To verify this parameter, the performance measurement number must exceed the parameter threshold number.

C7_SSCOP_CON_SLMPR_THRSHOLD (end)

Memory requirements

This parameter requires 1 word of memory.

Dump and restore rules

There are no dump and restore rules.

Parameter history

TL10

The default value changes from 5 to 16.

TL07

This parameter was introduced.

C7_SSCOP_RETRANS_SLMPR_THRESHOLD

Parameter name

CCS7 Service Specific Connection Oriented Protocol Protocol Data Units Requiring Re-transmission Signaling Link Marginal Performance Report Threshold

Functional description

This parameter generates a log when a performance parameter exceeds its specified threshold for high-speed links.

This parameter is associated with operational measurement (OM) group C7HSLAL2 and register C7SPDURR. Register C7SPDURR is the counter SSCOP PDUs requiring retransmission for the high-speed link interface unit (HLIU)-based CCS7 links. If the value in this register exceeds the value in C7_SSCOP_RETRANS_SLMPR_THRESHOLD, log CCS120 is generated.

Rules in provisioning

There are no rules in provisioning.

Range information

Minimum	Maximum	Default
1	9999	1000

Activation

Immediate

Dependencies

OFCVAR

Consequences

Logs that report exceeded threshold performance parameters are generated when this parameter is under-provisioned.

Logs that report exceeded threshold performance parameters fail to be produced when this parameter is over-provisioned.

C7_SSCOP_RETRANS_SLMPR_THRESHOLD (end)

Verification

To verify this parameter, the performance measurement number must exceed the parameter threshold number.

Memory requirements

This parameter requires 1 word of memory.

Dump and restore rules

There are no dump and restore rules.

Parameter history

CSP07

This parameter was introduced in CSP07.

C7_SU_ERROR_SLMPR_THRESHOLD

Parameter name

C7 Signaling Units Error Signaling Link Marginal Performance Report Threshold

Functional description

This parameter associates with the Signaling Link Marginal Performance Report (SLMPR) feature. Every hour, the SLMPR feature reports on all signaling links that exceed a minimum of one of the following threshold values:

- signaling units in error
- negative acknowledgments received
- automatic changeovers

Rules in provisioning

This parameter specifies the threshold value for the number of signaling units (SU) in error. If the count of SUs in error exceeds this value, the SLMPR report records the link. This parameter associate with the OM register C7SUERR.

Range information

Minimum	Maximum	Default
0	32767	400

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

C7_SU_ERROR_SLMPR_THRESHOLD (end)

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

This parameter was introduced in BCS29.

C7_TESTCALL_PRTNM

Parameter name

C7_TESTCALL_PRTNM

Functional description

This parameter identifies the pretranslator table used to route incoming CCS7 IMT calls. The switch uses the specified pretranslator table only if the call contains the test line test code. If the call does not contain the test line test code, the switch routes the call through the pretranslator specified by table TRKGRP.

Note: The IAM message contains the test line test code (within the nature of address field in the called party address parameter).

Provisioning rules

None

Range information

If the C7PT pretranslator exists in table STDPRTCT, set this parameter to C7PT. Otherwise, set this parameter to NPRT.

If the parameter contains the value NPRT, the pretranslator specified by the incoming trunk's TRKGRP is used regardless of the code contained in the nature of address field.

Minimum	Maximum	Default
		NPRT

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

C7_TESTCALL_PRTNM (end)

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

Parameter history

BCS36

This parameter was introduced.

CAP_CALL_DURATION_ON_ALL_CASES

Parameter name

Captured Call Duration On All Cases

Functional description

Not available

Provisioning rules

None

Range information

The range of values for this parameter is Y or N. If set to Y, it sets answer detected to Y and allows the call duration to be captured for the call detail record. This occurs even if the answer is not propagated for busy, ring-no answer, reorder, and high-and-dry timeout calls.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

CARRIER_ID_CODE

Parameter name

Carrier Identification Code

Functional description

This parameter provides the terminating FGD trunk with a carrier identification code on international call type for non-FGD originations.

This parameter retains and displays leading zeros for values less than 100 if the zeros are entered as datafill. For example, if 073 is entered, 073 is stored, displayed, and used for outpulsing.

If no leading zeros are entered, the value is stored and displayed without leading zeros. Prior to outpulsing, the value is padded with leading zeros. If 73 is entered, 73 is stored and displayed, and 073 is used for outpulsing.

Provisioning rules

None

Range information

Minimum	Maximum	Default
0 or 000	999	000

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

CARRIER_ID_CODE (end)

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history

BCS32

This parameter was introduced in BCS32.

CARRIER_ID_SCREEN_ENABLE

Parameter name

Carrier Identification (ID) Screen Enable

Functional description

This parameter specifies whether the carrier ID screening feature is enabled or disabled.

The carrier ID screening feature prevents the use of equal access network trunks (EANT) by the wrong customers.

Provisioning rules

None

Range information

The range of values for this parameter is Y or N. If this parameter is set to Y, carrier ID screening is enabled. If set to N, carrier ID screening is disabled.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

CASUAL_ANIDELV

Parameter name

Casual Automatic Number Identification Delivery

Functional description

CASUAL_ANIDELV controls Automatic Number Identification (ANI) delivery for originations using three- or six-digit casual ANIs. The field ANIDELV is not available with three- or six-digit ANIs stored in Table ANISCUSP.

Provisioning rules

Not applicable

Range information

The range of values is ALWAYS, NEVER, CPNONLY, and CGNONLY.

*   ALWAYS - Deliver Calling Party Number parameter (CPN), Charge Number parameter (CGN), and Originating Line Information (OLI).

*   NEVER - Do not deliver the CPN, the CGN, no the OLI.

*   CPNONLY - Only deliver the CPN.

*   CGNONLY - Only deliver the CGN and OLI.

Minimum	Maximum	Default
		ALWAYS

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

To verify CASUAL_ANIDELV, observe if three- and six-digit ANIs are being passed or suppressed as a result of the settings for CASUAL_ANIDELV.

CASUAL_ANIDELV (end)

Memory requirements

This paramter requires one word of memory.

Dump and restore rules

During ONP, if ANIDELV_DMS250 is set to CPIBASED, then
CASUAL_ANIDELV is set to NEVER. For all other values,
CASUAL_ANIDELV is set to the same value as ANIDELV_DMS250.

Parameter history

UCS05

This parameter was introduced in UCS05. This parameter replaces the
ANIDELV_DMS250 parameter from Fast-feature AD6103.

CCS7_DEF_HOP_COUNTER

Parameter name

CCS7_DEF_HOP_COUNTER

Functional description

The CCS7_DEF_HOP_COUNTER is used to populate the hop SS7 parameter value when the hop counter (HC) parameter is generated for an outgoing Initial Address Message (IAM) by the UCS DMS-250 switch.

Provisioning rules

Not applicable.

Range information

The range of values is 2 to 31.

Minimum	Maximum	Default
2	31	10

Activation

Immediate.

Dependencies

Not applicable

Consequences

The value of this parameter directly affects how many network hops a call may take before completion. Setting this value too low may impact SS7 terminating call completions.

Verification

To verify the parameter value, perform an integrated services digital network user part (ISUP) to ISUP call where the RTEATTR INCLUDE controls are used to populate a hop (HC) parameter in the outgoing IAM message. Verify that in the outgoing IAM message, the HC counter value is equal to the value of this office parameter.

Memory requirements

One word of protected memory store is required.

CCS7_DEF_HOP_COUNTER (end)

Dump and restore rules

Not applicable

Parameter history

UCS09

A new parameter CCS7_DEF_HOP_COUNTER was added (AX1247).

CDRDEFAULT

Parameter name

Call Detail Record (CDR) Default

Functional description

This parameter determines the type of billing formatting used.

Provisioning rules

None

Range information

The range of values for this parameter is Y or N. If set to Y, the customer's format is used for all billing.

Minimum	Maximum	Default
		Y

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history

IEC03

The restart requirements were removed in IEC03.

CDR_FOR_IMT

Parameter name

Call Detail Record (CDR) For Intermachine Trunk (IMT)

Functional description

This parameter specifies whether a CDR is conducted for a transit switch.

Provisioning rules

None

Range information

The range of values for this parameter is Y or N. If set to Y, this parameter indicates that a CDR is conducted for a transit switch.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

CDR_FOR_ISUP

Parameter name

Call Detail Record (CDR) For Integrated Services Digital Network (ISDN) User Part (ISUP)

Functional description

This parameter determines whether a billing record is produced for an originating ISUP IMT call.

This parameter works independently of parameter CDR_FOR_IMT.

Provisioning rules

None

Range information

The range of values is Y or N. When the value is Y, all originating ISUP IMT calls produce a billing record. When the value is N, originating ISUP IMT calls do not produce a billing record.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

CDR_FOR_ISUP (end)

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

CDR_LOG_FIELD_DESCRIPTORS

Parameter name

Call Detail Record (CDR) Log Field Descriptors

Functional description

This parameter specifies whether the short or long form is used for CDRs.

Provisioning rules

None

Range information

The range of values for this parameter is Y or N. If set to Y, the short form is used for CDRs. If set to N, the long form is used.

Minimum	Maximum	Default
		Y

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

CDR_SEARCH_THRESHOLDS

Parameter name

Call Detail Record Search Thresholds

Functional description

This parameter suspends the CDR SEARCH tool during high traffic situations for a given time period rather than cancel the search. The parameter then checks whether call processing has dropped to a safe level. An unsafe level call processing level occurs when more than 70% of the available extension block is being used.

This parameter has two fields: Frequency, which is the number of times the call processing level should be checked before cancelling the CDR SEARCH; and DELAYTIME, the number of seconds between checks.

Range information

Field	Minimum	Maximum	Default
FREQUENCY	1	12	4
DELAYTIME	1	900	5

Activation

Immediate.

Dependencies

None.

Memory requirements

One word.

Dump and restore rules

None.

Parameter history

SSR07

This parameter was introduced in SSR07.

CDR_UNAVAIL_BLOCK

Parameter name

Call Detail Record (CDR) Unavailable Block

Functional description

This parameter allows blocking of calls if no extension blocks are available.

Provisioning rules

None

Range information

The range of values for this parameter is Y or N. If set to Y, new call attempts are blocked if no extension blocks are available. If set to N, new call attempts are not blocked when extension blocks are not available.

Minimum	Maximum	Default
		Y

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

CHIPS_RETRY

Parameter name

Call History Information Processing System (CHIPS) Retry

Functional description

This parameter defines the number of retries that the EIOC-MP CHIPS performs when response messages to the following requests are not received within the timeout value given by the parameter CHIPS_TIMEOUT:

- start session request

- start file transfer request

- resync request

Provisioning rules

None

Range information

Minimum	Maximum	Default
0	10	3

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

CHIPS_RETRY (end)

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history

BCS30

This parameter was introduced in BCS30.

CHNG_NUM_OF_TGS_FOR_PKT_18_22

Parameter name

Change Number of Trunk Groups for Packets 18 and 22

Functional description

The DMS-100 switch generates 5-minute data to provide the network manager with a current view of how the DMS switch is processing calls. The 5-minute data response message is divided into 25 packets of data.

Telcordia imposed a restriction on the number of trunk groups supported by packets 18 and 22 to avoid a possibility of throughput problems. Therefore, the maximum number of trunk groups supported by packets 18 and 22 has been limited to 200 and 819, respectively. This parameter provides the operating companies with an option to increase the number of trunk groups supported for packets 18 and 22 from 200 and 819 to 250 and 1024,respectively.

This office parameter has two fields that cause the following actions:

- The first field indicates the maximum number of trunk groups supported by packet 18. The value range in this field is 199 to 249.

- The second field indicates the maximum number of trunk groups supported by packet 22. The value range in this field is 818 to 1023.

Provisioning rules

None

Range information

The range information is as follows:

Minimum	Maximum	Default
199	249	249
818	1023	1023

Activation

Change activation is immediate. No restart or any other manual action is required to activate a parameter change.

Requirements

None

CHNG_NUM_OF_TGS_FOR_PKT_18_22 (end)

Results

Changing the values in this parameter increases or reduces the limits on the number of trunk groups supported by packets 18 and 22.

Testing

At the MAP level, issue the following command to verify the value of the office parameter:

TABLE OFCVAR;POS CHNG_NUM_OF_TGS_FOR_PKT_18_22

Memory requirements

There is no impact to memory.

Dump and restore rules

None

Parameter history

NA014

The CHN_NUM_OF_TGS_FOR_PKT_18_22 parameter was introduced.

Parameter name

Carrier Identification Code (CIC) Four-Digit Transition Complete

Functional description

This parameter allows three-digit CICS to be deleted when the network transition to the four-digit CIC is completed.

When this parameter is set to N, the UCS DMS-250 switch supports both three- and four-digit CICs. When this parameter is set to Y, the UCS DMS-250 switch supports only four-digit CICs.

When the value of this parameter is changed from N to Y, table TRK4CIC is scanned for tuples with three-digit CICs. If such tuples exist, the value change is not allowed and the following warning message prints:

```
WARNING:CIC4_TRANS_COMP CAN NOT BE CHANGED TO Y WHILE TUPLES IN
TABLE TRK4CIC HAVE A CICSIZE OF 3DIGS.
```

For incoming calls, call processing does not access table TRK4CIC to determine which CIC type is supported. If the UCS DMS-250 switch receives a three-digit CIC while this parameter is set to Y, then:

- the CIC is padded with a leading zero and the call is processed
- a DFIL 301 log is generated to note that a four-digit CIC should have been received

When this parameter is set to Y, table TRK4CIC cannot be datafilled with a three-digit CIC. If you try to datafill a three-digit CIC, the following error message results:

```
ERROR: CANNOT DATAFILL CICSIZE = 3DIGS WITH OFFICE PARM
CIC4_TRANS_COMP=Y.
```

Provisioning rules

Not applicable

CIC4_TRANS_COMP (end)

Range information

The range of values is Y or N.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

None

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

Parameter history

UCS04.1

This parameter was introduced in UCS04.1.

CIC_4DIGS

Parameter name

Carrier Identification Codes (CIC) Four Digits

Functional description

This office parameter is used when the terminating trunks need to outpulse a four-digit CIC and one is not available from either the incoming trunk or table TRK4CIC.

Provisioning rules

Not applicable

Range information

Minimum	Maximum	Default
0000	9999	0000

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

When a four-digit CIC is needed for outpulsing, and one is not available from an incoming trunk or table TRK4CIC, then the office parameter CIC_4DIGS value is outpulsed.

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

CIC_4DIGS (end)

Parameter history

UCS04.1

This parameter was introduced in UCS04.1.

Parameter name

C Major Alarm Thresholds

Functional description

This parameter specifies the minor, major, and critical alarm thresholds for lines with a failure flag of C (uppercase C).

A diagnostic failure flag C denotes a line that failed the system diagnostic after the line exceeded the call processing (CP) error thresholds. The flag also denotes a line that exceeded the CP major error threshold a second time. The line exceeded the threshold less than 15 min after the line returned to service. The line returned to service after the line exceeded the threshold the first time.

If the number of C failures equals or is greater than one of the alarm thresholds, the system raises the correct alarm.

Rules in provisioning

Set the CMAJALARM thresholds based on the current level of office failure problems and the level of notification required for these failures. The three fields, read from left to right, represent the minor, major, and critical alarm thresholds.

Range information

Minimum	Maximum	Default
0 0 0	32767 32767 32767	5 10 15

Activation

To change this parameter, use the ALMSTAT command at the LTP Map level. When the user changes the value, the system updates all current alarms to reflect the failures with the new values.

Dependencies

Does not apply

Consequences

If the user sets the alarm thresholds too high, the system can encounter too many call processing errors without enough notification.

CMAJALARM (end)

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

This parameter was introduced in BCS29.

Parameter name

Command MAP Enabled

Functional description

This parameter determines the type of display used for MAPCI full screen output. The system creates a MAPCI full screen output when the user enters MAPCI during a NEMAS MTP CMD Session. This action allows the session device to behave like the session device is a terminal hooked to the DMS IOC.

Rules in provisioning

If the parameter is N (no), the full MAPCI display scrolls up as 24 lines of 80 characters. This action occurs when the parameter is set after the user enters the MAPCI or CI level command. This display indicates the state of the current display and the display at the end of the last command. This display includes any automatic updates that occur while the system waits for input from the AOM. When the command is complete, the display scrolls up again to reflect the result of the command. This display includes any automatic updates that occur during the command execution. The AOM enters another MAPCI or CI command.

Use N if the display terminal for the CMD Session is not configured to handle VT100 control codes. These codes are for full screen MAP terminal control.

If the parameter is Y (yes), the screen receives the automatic updates. These updates occur from the time the user last entered the MAPCI or CI command. When the command executes, the system sends updates to the display and the terminal. When the system completes the command, the display freezes. This freeze allows the user to enter another command. When the parameter is set to Y, the parameter assumes the AOM terminal understands the VT100 control codes.

The MORE... performs as before, with the following exceptions:

- When set to N, the display continues to scroll up.

- When set to Y, the display continues to apply to the terminal.

- The MORE... does not time-out and display the command output after 15 s. The MORE... normally times out and displays the command output after 15 s.

- The SAVEMAP command and the PRINTMAP command do not work. If the user needs a PRINTMAP image, change the setting to N. Enter the desired command the user needs for the PRINTMAP image.

CMD_MAP_ENABLED (end)

Range information

The range of values for this parameter is Y or N.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

Does not apply

Dump and restore rules

Copy the current value of this parameter or consult Northern Telecom Customer Engineering.

Parameter name

C Minimum Alarm Thresholds

Functional description

This parameter specifies the minor, major, and critical alarm thresholds for lines with a failure flag of c (lowercase c).

A diagnostic failure of c indicates a line exceeds the call processing (CP) minor error thresholds. The system did not put the call in a shower queue for a diagnostic. The number of c failures can be equal to, or greater than, one of the alarm thresholds. When this condition occurs, the system raises the correct alarm according to the number of c failures.

Rules in provisioning

Set CMINALARM thresholds based on the current level of office failure problems and the level of notification required for these failures. The fields of this parameter, read from left to right, represent minor, major, and critical alarm thresholds.

Range information

Minimum	Maximum	Default
0 0 0	32 767 32 767 32 767	5 10 15

Activation

Use the ALMSTAT command at the LTP MAP level to change this parameter. When the user changes the value, the system updates all current alarms to reflect the failures with the new values.

Dependencies

Does not apply

Consequences

If the user sets the alarm thresholds too high, the system can encounter too many call processing errors without enough notification.

Verification

Does not apply

CMINALARM (end)

Memory requirements

This parameter does not impact on memory.

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

Parameter history

BCS29

This parameter was introduced in BCS29.

<div align="right">

COIN_POSITION
</div>

Parameter name

Coin Position

Functional description

This parameter specifies the dedicated OP250 trunk routing for coin control calls.

Provisioning rules

None

Range information

This parameter is set to NONE or a valid entry in table POSNAME. A valid entry must first be datafilled in table POSNAME. If this parameter is set to NONE, calls are routed to vacant code (VACT) treatment.

Minimum	Maximum	Default
		NONE

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel.

COIN_POSITION (end)

Parameter history

BCS30

This parameter was introduced in BCS30.

CPIXFER_DMS250

Parameter name

Calling Party Information Transfer (CPIXFER) DMS-250

Functional description

This parameter activates the transporting of calling party information.

Provisioning rules

None

Range information

The range for this parameter is NO_XPORT, ALWAYS_XPORT, or N00_XPORT.

If the value of the parameter is NO_XPORT, calling party information is not transported.

If the value of the office parameter is ALWAYS_XPORT, calling party information is always transported over ISUP IMTs for all FGB, FGD, and centralized automatic message accounting (CAMA) originations.

If the value of the parameter is N00_XPORT, calling party information is transported only for FGB and FGD originations with pretranslation types of INWATS and SACREMOTE.

Note: Calling party information for tandem ISUP IMTs is always transported and is not affected by this office parameter.

Minimum	Maximum	Default
		NO_XPORT

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

CPIXFER_DMS250 (end)

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

DCN_BUFFER_NUMBER_OF_BLOCKS

Parameter name

DCN buffer number of blocks

Functional description

The DCN_BUFFER_NUMBER_OF_BLOCKS is a read only parameter.

This parameter indicates the number of blocks of memory reserved for table buffering changes. The table changes are synchronized to TelePATH. TelePATH is an Operational Support System for provisioning a DMS switch. TelePATH uses a datalink to send and receive table datafill to and from a switch.

This parameter maintains the set number of buffers after a software upgrade.

Rules in provisioning

Does not apply

Range information

Minimum	Maximum	Default
0	1024	0

Activation

Does not apply

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

Does not apply

DCN_BUFFER_NUMBER_OF_BLOCKS (end)

Dump and restore rules

Does not apply

Parameter history

BASE08

Parameter DCN_BUFFER_NUMBER_OF_BLOCKS was introduced in BASE08.

Parameter name

Default Force Release

Functional description

The value of this parameter is outpulsed over terminating ETN-IMT trunks when:

- a force release (FRL) cannot be derived from table FRLCOS when the table is indexed with the OPART that is associated with the originating ETN-IMT, EDAL, or shared IMT trunk (that is, the OPART has no data filed against it)

- the non-zero COS index of an incoming EDAL trunk is not found in table FRLCOS

- a non-zero COS index of an incoming shared IMT trunk is not found in table FRLCOS

- a non-ETN trunk is terminating to an ETN-IMT

Provisioning rules

None

Range information

If this feature is not required, set this parameter to 0.

Minimum	Maximum	Default
0	7	7

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

DEFAULT_FRL (end)

Memory requirements

Each unit requires one word of memory.

Dump and restore rules

None

DEFAULT_STS

Parameter name

Default Synchronous Transport Signal (STS)

Functional description

This parameter specifies the STS to use in attempting to route a call when there is no OPART/TPART information available to dervive an STS.

Provisioning rules

None

Range information

This value is expressed in CUSTOMER_SERVICE_STS_RANGE units.

Minimum	Maximum	Default
	999	The first STS datafilled in table HNPACONT.

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

DEFAULT_STS_DERIVATION_ON_FGD

Parameter name

Default Serving Translation Schema (STS) Derivation on Feature Group D (FGD)

Functional description

This parameter activates or deactivates the FGD Routing Enhancements feature. When the option of initializing the STS for all FGD originated traffic is used, it overrides the DEFAULT_STS value out of the table OFCVAR. Traffic call types include 0-, 0+, 01+, 011+, and 1+.

This parameter provides a more flexible mechanism of routing casual users to specific carriers than provided by the single DEFAULT_STS for routing a system's FGD callers.

Provisioning rules

None

Range information

This parameter has a range of Y or N.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

None

Consequences

Not applicable

Verification

To verify this parameter, attempt to route a Pure Casual FGD call based on the STS derived from a 00 TPART and the OPART value from the trunk's TRKGRP entry. The call should not route based on the STS value from the parameter DEFAULT_STS in table OFCVAR. Be sure these two STSs are different and each routes to a different agency for clarification.

DEFAULT_STS_DERIVATION_ON_FGD (end)

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history

UCS04.1

This parameter was introduced in UCS04.1.

DEFAULT_TCN_COS_INDEX

Parameter name

Default Travel Card Network (TCN) Class Of Service (COS) Index

Functional description

This parameter is used whenever the default TCN parameters are used to route a TCN call. COS screening is performed based on the value of this office parameter.

Provisioning rules

None

Range information

If this parameter has a value of zero, then COS screening will not be performed. If this parameter has a non-zero value, then COS screening is performed and this parameter is used as the index into table COS.

Minimum	Maximum	Default
0	1023	0

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

To verify that the DEFAULT_TCN_COS_INDEX is set and working, it is necessary to make a TCN call that uses the default TCN parameters. This can be done by simulating a situation where a RETURN RESULT is not returned from the DCP; for example, if the DCP is not in service.

Memory requirements

This parameter requires one word of memory.

DEFAULT_TCN_COS_INDEX (end)

Dump and restore rules

Not applicable

DEFAULT_OLI

Parameter name

DEFAULT_OLI

Functional description

DEFAULT_OLI allows the default OLI value to be usedn when a default OLI is required.

Provisioning rules

Not applicable

Range information

Range information

Minimum	Maximum	Default
00	99	00

Activation

Immediate

Dependencies

None

Consequences

Not applicable

Verification

Not applicable

Memory requirements

DEFAULT_OLI requires 1 Byte of memory storage.

Dump and restore rules

Not applicable.

Parameter history

UCS14

Feature A60008437 introduced this parameter.

DEFAULT_UNV_XLA_TYPE

Parameter name

Default Universal Translations Type

Functional description

This parameter specifies the table from which the universal translations start.

Provisioning rules

Not applicable

Range information

The range of values for this parameter are the following:

- CT which represents the city code
- PX which represents the prefix code
- FT which represents the feature translation code
- AC which represents the Access code

These values specify which universal translations tables are to be entered.

Minimum	Maximum	Default
		CT

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires two words of memory.

DEFAULT_UNV_XLA_TYPE (end)

Dump and restore rules

Not applicable

Parameter history
UCS06

This parameter was released in UCS06.

DELAY_RECALL_DIALTONE

Parameter name

Delay Recall Dial Tone

Functional description

This parameter specifies the time in 160-ms intervals that the peripheral must wait before returning dial tone to a user after a disconnect from a called party, from an announcement, or from a tone.

Provisioning rules

None

Range information

Minimum	Maximum	Default
1	255	19

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

DENY_POPULATED_SUBTABLE_DELETION

Parameter name

DENY_POPULATED_SUBTABLE DELETION

Functional description

This parameter controls the automatic deletion of tuples after the deletion of a head table tuple.

If this parameter is set to N, the default value, a request to delete a head table tuple creates the following conditions:

- If subtable tuples are present, the system generates a warning message that indicates that subtable tuples are present. The warning message lists the names of the subtables. If the operating company personnel confirm that the head table tuples must be deleted then the deletion of all subtable tuples occurs automatically.

- If subtable tuples are not present, the system does not generate a message and the head table tuple is deleted.

If this parameter is set to Y, a request to delete a head table tuple creates the following conditions:

- If subtable tuples are present, the system does not generates an error message that lists the subtables that contain the tuples. The deletion request is rejected. The operating company personnel must manually delete each subtable tuple and enter the head table deletion request again.

- If subtable tuples are not present, the system does not generate a message and the head table tuple is deleted.

Rules in provisioning

There are no rules in provisioning.

Range information

N or Y

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

DENY_POPULATED_SUBTABLE_DELETION (end)

Verification

Request the deletion of a head table tuple which has associated subtable tuples. If the request is rejected and an error generates, the parameter is set to Y. If only a warning message generates, the parameter is set to N.

Memory requirements

This parameter does not impact memory.

Dump and restore rules

There are no dump and restore rules.

Parameter history
BASE 08

Parameter DENY_POPULATED_SUBTABLE DELETION was introduced in release BASE 08.

DET_DT_TIMEOUT

Parameter name

Determine Dial Tone Timeout

Functional description

This parameter specifies the time to monitor for dial tone, after which, a seizure failure or, in the case of two-way circuits, a glare condition is declared on ONAL trunk groups.

Provisioning rules

None

Range information

The value is expressed in 160-ms intervals.

Minimum	Maximum	Default
6	250	32 (5.12 s)

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

Each unit requires one word of memory.

Dump and restore rules

Not applicable

Parameter name

Diagnostic Alarm

Functional description

This parameter is the diagnostic failure flag. The parameter maintains a counter and three threshold levels for the diagnostic failure type. The three threshold levels are minor, major and critical. An alarm condition occurs when one or more of the failure counters exceeds a threshold level that the parameter specifies.

To change the value of this parameter, use the AlmStat command at the LTP MAP level.

Rules in provisioning

Set the value of this parameter to represent the thresholds for the diagnostic failure alarms. The three fields, from left to right, represent minor, major, and critical alarm thresholds.

For example, the default value of 10 20 30 defines the alarm thresholds as follows:

- the minor alarm threshold is 10 failures

- the major alarm threshold is 20 failures

- the critical alarm threshold is 30 failures

Range information

Minimum	Maximum	Default
0 0 0	32767 32767 32767	10 20 30

Activation

Use the ALMSTAT command at the LTP Map level to change the parameter. The use of the ALMSTAT command to change the parameter updates all current alarms with the new values to reflect the failures.

Dependencies

Does not apply

DIAGALARM (end)

Consequences

Does not apply

Verification

Does not apply

Memory requirements

These parameter values require 1 word of memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

<div align="right">

DIALBACKPW_ENCRYPTED

</div>

Parameter name

Dial Back Password Encrypted

Functional description

A switch with the Automatic Dial Back feature requires this parameter. The parameter indicates if suppression of the show dial-back password (SHOWDBPW) command must occur.

Rules in provisioning

Set the value of this parameter to Y to suppress the SHOWDBPW command. Leave the value of this parameter at the default of N (no) if suppression of the SHOWDBPW is not required.

Range information

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

DIALBACKPW_ENCRYPTED (end)

Parameter history
BCS18
This parameter was introduced in BCS18.

DIALTONE_AFTER_ANSWER_DURATION

Parameter name

Dialtone After Answer Duration

Functional description

This parameter specifies the amount of time after answer that enhanced origination is enabled. The timing is set in one-second increments.

Provisioning rules

None

Range information

Minimum	Maximum	Default
0	30	0

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel.

Parameter history
BCS20

This parameter was introduced in BCS20.

DISKLOGMEMORY

Parameter name

Disk Log Memory

Functional description

This parameter specifies the number of bytes, in units of 1000, that the log interception function uses.

The greater this value, the greater the number of captured unformatted logs. Problem conditions can prevent the capture of all logs by the LOGUTIL feature. The log interception code that uses this store can intercept logs that the LOGUTIL does not capture.

This parameter can contain any value from 16 to 512 in units of 2. Values 1 to 15 are invalid.

Lower the value of the parameter if the switching unit does not have enough data store for other, more important, applications.

Rules in provisioning

Specify the amount of memory (in kbytes) that the log interception feature uses.

To deactivate the interception feature, you can set the value of this parameter to 0. This change can not be immediate because of pending deallocation.

Range information

Minimum	Maximum	Default
0 (deactivated) 16 (activated)	512	0

Activation

Immediate

Requests for more memory receive an immediate response if memory is available. Requests for reduction of the amount of DISKLOGMEMORY are met if permanent store records all logs that the memory contains. The permanent store is normally in disk format.

DISKLOGMEMORY (continued)

To make sure that enough data store is available, a warning appears when data store becomes low. The number of free untyped vast areas indicates the level of available data store. Users must terminate the request when the untyped free vast areas is less than or equal to twice the data store types.

Dependencies

The deallocation of memory associated with captured logs that permanent store does not record is not immediate. Permanent store must record these logs before the memory associated with the logs is available to the rest of the system.

Note that setting this value to 0 does not completely turn the associated DIRP DLOG subsystem off. To turn the subsystem off, the user must set the parameter DIRPKILL_IN_EFFECT in table OFCSTD to Y. The user must reduce the MINFILES to zero. Make sure that the number of alarms that are not NA corresponds to the value in NUMFILES. The user must demount all volumes.

Consequences

The overprovisioning of this parameter value results in memory that is not used.

The overprovisioning of this parameter causes the feature to take longer to fill its buffers before it rejects logs if the system is in a tight log-generating loop. If the same log generates repeatedly it is best to discard logs quickly so that important CPU time is not wasted.

The underprovisioning of the parameter results in the rejection of informative logs. The event occurs when the entire collection of buffers is filled and the buffer permenant store does not record contents.

Verification

Go into DIRP level of the MAP (MAPCI;MTC;IOD;DIRP) and type the command QUERY DLOG.

The record count must increase over time if the value of the parameter is not set to 0 and the system continues to generate logs. This increase indicates that some logs are being taken from memory and placed in permanent store.

Memory requirements

The value of parameter multiplied by 1000 represents the number of bytes of memory for use in log interception.

DISKLOGMEMORY (end)

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

BCS28

This parameter was introduced in BCS28.

DISPLAY_OSR_LOG

Parameter name

Display Operator Service Record (OSR) Log

Functional description

This parameter indicates whether a log format of the CDR-type EOPS billing record generates.

Provisioning rules

None

Range information

The range of values for this parameter is Y or N. If Y, either CDR282 or CDR283 log generates. The office parameter CDR_LOG_FIELD_ DESCRIPTORS (table OFCVAR) determines whether CDR282 (short format) or CDR283 (long format) print.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

DMS300_ORIG_BOUNCE_SUS_RES

Parameter name

DMS300 Origination Bounce Suspend or Resume

Functional description

This office parameter controls handling of the suspend or resume messages when the originating agent is an SS7 IMT trunk type with a DMS300 as an adjacent node (ADJNODE). When the office parameter, DMS300_ORIG_BOUNCE_SUS_RES, is set to `Y', the suspend or resume messages are not processed on the UCS DMS-250 switch. The messages are sent out on the originating SS7 IMT trunk to the DMS300 switch. When the value of the parameter is set to `N', the suspend or resume message handling is performed on the UCS DMS-250 switch, as described in feature AD8153.

Provisioning rules

None.

Range information

The range of values for this parameter is Boolean type, Y or N (Yes or No).

Minimum	Maximum	Default
		N

Activation

Immediate.

Dependencies

None.

Consequences

Not applicable.

Verification

When the value of DMS300_ORIG_BOUNCE_SUS_RES is set to N, and the originating agent is an SS7 IMT with an adjacent node of DMS300, the suspend or resume messages received on the UCS DMS-250 switch are processed on the switch and not sent out.

DMS300_ORIG_BOUNCE_SUS_RES (end)

When the value of DMS300_ORIG_BOUNCE_SUS_RES is set to Y, and the originating agent is an SS7 IMT with an adjacent node of DMS300, the suspend or resume messages received on the UCS DMS-250 switch are not processed on the switch. The suspend or resume messages received are sent out over the originating SS7 IMT agent to the DMS300 switch.

Memory requirements

No memory impact.

Dump and restore rules

Not applicable.

Parameter history
UCS12

This parameter was introduced in UCS12.

DTMF_RCVR_QUEUE_TIMEOUT

Parameter name

Dual Tone Multifrequency (DTMF) Receiver Queue Timeout

Functional description

This parameter specifies the wait time, in 1-second increments, to queue for an idle DTMF receiver.

Provisioning rules

None

Range information

Minimum	Maximum	Default
1	30	30

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of the parameter or consult Nortel Customer Engineering.

Parameter name

Digital Test Unit Load Information

Functional description

This parameter stores the firmware filename of the default digital test unit (DTU).

The LOADFW command contains a filename option to let the user specify the filename of the firmware load. When the user specifies the filename, the load-firmware software takes DTU firmware from the specified load file. If the user does not specify a filename, the software uses the default that this parameter specifies.

Rules in provisioning

The value of this parameter is the eight-character DTU firmware default filename.

Range information

Minimum	Maximum	Default
		NILFNAME

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter value requires 1 word of memory.

DTULDINFO (end)

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

BCS35

This parameter was introduced in BCS35.

Parameter name

Digital Test Unit Off-hook Balance Test Load Name

Functional description

This parameter specifies the balanced network (BalNet) data test unit (DTU) firmware load name.

The LOADFW (load firmware) command provides a file name option. This file name option allows the user to specify the file name of the firmware load. The load-firmware software takes BalNet DTU firmware from the load file that the user specifies. If the command does not specify a file name, the system uses the default that this parameter specifies.

Rules in provisioning

Set the value of this parameter to the eight-character BalNet DTU firmware default file name.

Range information

Minimum	Maximum	Default
		NILFNAME

Activation

Immediate

Dependencies

Does not apply

Consequences

The value specified by this office parameter is compared against valid firmware load file names. If a match does not appear, the user is informed that the LOADFW action is aborted. LOADFW is aborted because of a not permitted load file name.

Verification

Does not apply

DTUOHBTLD (end)

Memory requirements

This parameter does not impact on memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

CSP02

This parameter was introduced in CSP02.

EADAS_ENABLED-U.S. ONLY

Parameter name

Engineering and Administrative Data Acquisition System Enabled

Functional description

The EADAS is an AT&T operational measurement support system (OSS). The EADAS collects operational measurement (OM) data from telephone switching units over serial data links. The EADAS computer submits a poll or request for data over a logical channel. The switching unit responds with the data requested, or a message. The message indicates why the data is not sent.

The operating company uses this parameter as an ON/OFF switch to start and stop this feature. Use this feature where the EADAS software is present but the necessary hardware is not present or does not work. When the transceivers are disabled, the system does not generate logs.

The operating company can use this parameter to change the multiprotocol controller (MPC) or link that the transceivers use. For more information, refer to parameter EADAS_MPC_AND_LINK in Table OFCVAR.

Rules in provisioning

This parameter must be set to Y (yes) to start the EADAS feature.

This parameter must be set to N (no) to stop the EADAS feature.

This parameter must not be set to Y if the MPC has not been activated.

The system generates EAD101 logs when this parameter is set to Y and Table MPC is empty. The system generates the EAD101 logs at the rate of eight each minute.

Range information

Minimum	Maximum	Default
		N

Activation

Immediate

EADAS_ENABLED-U.S. ONLY (end)

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact on memory.

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

Parameter history

BCS19

This parameter was introduced in BCS19.

Parameter name

Engineering and Administrative Data Acquisition System Interface Generic Identifier

Functional description

A switching unit with the EADAS feature requires this parameter. This parameter specifies the switch generic identification numbers that identify the number of the current DMS-100 switch software release.

These numbers are used in each message header sent to EADAS.

The parameter value has three numeric values in the range of 0 (zero) to 255.

Rules in provisioning

The EADAS administration of the operating company must determine the parameter value for each software release. The EADAS administration must also update the parameter to the appropriate value.

The first value must be the default value of 0 0 0 (zero zero zero).

Range information

Minimum	Maximum	Default
0 0 0	255 255 255	0 0 0

Activation

Immediate

Dependencies

Does not apply

Consequences

This office parameter affects SOC option OAM00007. Before OAM00007 is turned on, EADAS_GENERIC_ID must ensure a Semi-TR compliant header by setting the first field value of this parameter to 74.

Note: Changing to a Semi-TR compliant value will alter the header by adding a unique CLLI to it.

EADAS_GENERIC_ID-U.S. ONLY (end)

Verification

Does not apply

Memory requirements

This parameter requires 1 word of memory.

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

EADAS_MPC_AND_LINK-U.S. ONLY

Parameter name

Engineering and Administrative Data Acquisition System Multiprotocol Controller And Link

Functional description

This parameter specifies the multiprotocol controller (MPC) number. This parameter also specifies the link number that the transceivers assigned to the EADAS feature use.

This parameter consists of two numeric fields. These fields are: MPC and LINK. Field MPC can have a value of 0 to 255. Field LINK can have a value of 0 to 3.

You can change this parameter, on site, to allow the change of hardware if error conditions are present. You can also change this parameter to permit initial configuration of the system.

If it is necessary to switch to a spare MPC. The system uses the value of this parameter to show the change to the transceivers.

Rules in provisioning

The following method changes the value of this parameter:

1. Change the value of parameter EADAS_ENABLED in Table OFCVAR to N (no).

2. To enter the MAP display level, type

   >MAPCI;MTC;IOD;IOC i;MPC n;BUSY FORCE

   and press the Enter key.

   where

   i

   is the IOC number of the MPC

   n

   is the card of the MPC

3. To change the value of this parameter, type

   >MAPCI;MTC;IOD;IOC i;MPC n;BSY;RTS

   and press the Enter key.

   i

   is the IOC number of the MPC

EADAS_MPC_AND_LINK-U.S. ONLY (end)

> **n**
>> is the card of the MPC

> 4. Change the value of parameter EADAS_ENABLED in table OFCVAR to Y (yes).

> The default value has field MPC equal to 0 (zero) and field LINK equal to 3.

Range information

Minimum	Maximum	Default
		0 3

Activation
Immediate

Dependencies
Does not apply

Consequences
Does not apply

Verification
Does not apply

Memory requirements
This parameter requires 1 word of memory.

Dump and restore rules
Copy the current value of the parameter when you perform a dump and restore.

Parameter history
BCS19
This parameter was introduced in BCS19.

EADAS_POPULATE_HUNT_SECTIONS

Parameter name

Engineering and Administrative Data Acquisition System Populate Hunt Sections

Functional description

The EADAS Interface uses this parameter to determine if EADAS OM class 96 gathers and transmits operational measurement (OM) group HUNT data for new groups.

The operating company controls the population of EADAS OM class section 96. The operating company collects OM data for selected hunt groups. The operating company does not collect OM data for established hunt groups. The operating company personnel does not populate EADAS OM class section 96. The personnel enter the CI level EADASKEY command to select the hunt groups.

Rules in provisioning

The operating company determines if new hunt groups populate EADAS OM class section 96. This class consists of OM group HUNT.

If this parameter is set to Y, the system adds new hunt group records and tuples to EADAS OM class section 96.

If this parameter is set to N, the system does not add new hunt group records and tuples to EADAS OM class section 96.

The default value of this parameter is Y. This default setting allows new hunt groups to populate EADAS OM section 96. The hunt groups populated this section before the creation of this office parameter.

Range information

Minimum	Maximum	Default
		Y

Activation

Immediate

EADAS_POPULATE_HUNT_SECTIONS (end)

Dependencies

Does not apply

Consequences

When the value of this parameter changes, the change does not affect current hunt groups in EADAS OM class section 96. This office parameter affects new hunt groups when EADAS_POPULATE_HUNT_SECTIONS is set toN.

Verification

Use the CI level EADASFMT command to determine if new hunt groups populate EADAS OM class section 96.

Memory requirements

This parameter does not impact on memory.

Dump and restore rules

Does not apply

Parameter history

NA004

This parameter was introduced in NA004.

EADAS_POPULATE_SCMP_SECTIONS

Parameter name

Engineering and Administrative Data Acquisition System Populate SCMP Sections

Functional description

Using office parameter EADAS_POPULATE_SCMP_SECTIONS, the EADAS interface will determine if OM group SCMP data will be automatically accumulated and transmitted for new SCMP lines by EADAS OM class section 221.

Rules in provisioning

Customer determines if new scmp lines will populate EADAS OM class section 221, consisting of OM group SCMP.

If EADAS_POPULATE_SCMP_SECTIONS is set to 'Y', then new scmp line records/tuples will be added to EADAS OM class section 221.

If EADAS_POPULATE_SCMP_SECTIONS is set to 'N', then new scmp line records/tuples will not be added to EADAS OM class section 221.

The default value of this parameter is N.

Range information

Minimum	Maximum	Default
N	Y	N

Activation

Immediate

Dependencies

Does not apply

Consequences

None.

Verification

Customers may use CI command EADASFMT to determine if new scmp lines are populated EADAS OM class section 221.

EADAS_POPULATE_SCMP_SECTIONS (end)

Memory requirements

This parameter does not impact on memory.

Dump and restore rules

Does not apply

Parameter history
CSP18/ISN05

This parameter was introduced in CSP18/ISN05.

EA_ANN_DELAY

Parameter name

Equal Access Acknowledgement Delay

Functional description

This parameter specifies the time in 10-ms intervals that the switch must delay after acknowledgement wink and connecting an announcement.

Provisioning rules

None

Range information

Minimum	Maximum	Default
1	255	120

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

EA_INTOA_POSITION

Parameter name

Equal Access International Operator Assisted Position

Functional description

This parameter is an index to table POSITION. This index is used only for FGD international operator-assisted (1NX) calls marked as INTOA. Corresponding values for this parameter must first be datafilled in table POSNAME.

Note: This parameter is only for enhanced operator position system customers.

Provisioning rules

None

Range information

The value corresponds to names in table POSNAME.

Minimum	Maximum	Default
		None

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter has no memory impact.

EA_INTOA_POSITION (end)

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history

BCS27

This parameter was introduced in BCS27.

EA_INTOA_POSITION

Parameter name

Equal Access International Operator Assisted (INTOA) Position

Functional description

This parameter is an index to table POSITION. This index is used only for FGD international operator-assisted (1NX) calls marked as INTOA. Corresponding values for this parameter must first be datafilled in table POSNAME.

Note: This parameter is only for enhanced operator position system (EOPS) customers.

Provisioning rules

None

Range information

The value corresponds to names in table POSNAME.

Minimum	Maximum	Default
		None

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

EA_INTOA_POSITION (end)

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history

BCS27

This parameter was introduced in BCS27.

EA_INT_WINK_DUR

Parameter name

Equal Access International Wink Duration

Functional description

This parameter specifies the wink duration for international equal access calls.

Provisioning rules

None

Range information

The range is in 10-ms intervals.

Minimum	Maximum	Default
1	255	25

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

EA_TEST_CALL_SPILL

Parameter name

Equal Access Test Call Spill

Functional description

Switching units with equal access traffic between the access tandem and the carrier, trunk group AIC require this parameter.

This parameter specifies the number spilled on a test call and consists of the following digits:

- 2 information digits (95 for test call)
- 3 digits for calling NPA
- 7 digits for calling number

Rules in provisioning

Specify the number spilled on a test call. This number can consist of a maximum of 15 digits.

Range information

Minimum	Maximum	Default
		950005551212

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

EA_TEST_CALL_SPILL (end)

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

EA_TST_CALL_ACK_WINK

Parameter name

Equal Access (EA) Test Call Acknowledgement Wink

Functional description

This parameter indicates whether an acknowledgement wink is returned on a DMS-250 equal access network trunk when the information digits received indicate that the incoming call is a test call.

Provisioning rules

None

Range information

The range of values is Y or N.

Minimum	Maximum	Default
		Y

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel.

Parameter history
BCS35

This parameter was introduced in BCS35.

ECHOCAN_IMT_OFRT_INDEX

Parameter name

Echo Canceller Intermachine Trunk Office Route Index

Functional description

The value of this parameter is datafilled by the customer. It indexes into table OFRT.

Provisioning rules

None

Range information

Minimum	Maximum	Default
0	1023	0

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

Each unit requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel.

Parameter history

BCS21

This parameter was introduced in BCS21.

ECHODUMP_OUTPUT_FORMAT

Parameter name

ECHODUMP_OUTPUT_FORMAT

Functional description

Use the ECHODUMP CI command in conjunction with the ECHOBACK feature to dump the data change notification records. The data change notification records can contain a large amount of data depending on the number of changes that have been made. This office parameter allows the operating company to specify the information that is to be displayed in response to a ECHODUMP CI command.

The data dump may be specified as one of the following:

- ECHODUMP_OUTPUT_FORMAT NONE - no output required

- ECHODUMP_OUTPUT_FORMAT ALL - dump all information stored in each data change record

- ECHODUMP_OUTPUT_FORMAT {see table 1} - dump the information associated with the parameters listed in table 1.

EHCODUMP_OUTPUT_FORMAT PARAMETERS

Parameter	Output
CLLI	Office CLLI name
SEQ	Sequence number
DTS	Date and time stamp
COM	Command
PCL	PCL name and version
USER	UserID
DEV	Device type and device name
TAB	Table name
DIG	Digilator table (Y/N)
KEY	The key
TUP	The tuple

Example: ECHODUMP_OUTPUT_FORMAT {CLLI, SEQ, USER, TAB, TUP}

ECHODUMP_OUTPUT_FORMAT (end)

Provisioning rules

None

Range information

Minimum	Maximum	Default
		All

Activation

Immediate

Dependencies

None

Consequences

If ECHODUMP_OUTPUT_FORMAT NONE is specified, no output will be produced in response to the ECHODUMP CI command.

Verification

Set parameter to ECHODUMP_OUTPUT_FORMAT {CLLI}

Execute the ECHODUMP CI command. Only the office CLLI name will be displayed.

Memory requirements

This parameter has no memory impact

Dump and restore rules

This parameter has no dump and restore rules

Parameter history
CSP08

This parameter was introduced in CSP08.

ECHO_CANCELLER_CONTROL_BACKWARD

Parameter name

Echo Canceller Control Backward

Functional description

This parameter provides a range of options for sequencing echo canceller control. The options PROGRESS and ANSWER supplement the ECEQUIP field of TRKSGRP. ECEQUIP is a Boolean indicative of the presence of echo canceller equipment.

When a trunk is returned to service, the trunk data message forms a composite value to ensure the proper echo cancelling control, as shown in the following table.

ECHO CANCELLER CONTROL BACKWARD	ECEQUIP	Composite value
PROGRESS	N	NONE
ANSWER	N	NONE
PROGRESS	Y	PROGRESS
ANSWER	Y	ANSWER

Provisioning rules

None

Range information

The range of values is PROGRESS or ANSWER.

Minimum	Maximum	Default
		ANSWER

Activation

This parameter is evaluated in conjunction with the ECEQUIP field of table TRKSGRP. A change in the value of the parameter is activated on a per-trunk basis upon the return to service of the trunk.

Dependencies

Not applicable

ECHO_CANCELLER_CONTROL_BACKWARD (end)

Consequences

Not applicable

Verification

Visually inspect the OFCVAR table to verify that this parameter is set. Special equipment is needed to verify the parameter is working. However, resultant on-hook or off-hook signaling infers verification.

Memory requirements

This parameter requires one word per unit.

Dump and restore rules

During a dump and restore the name of the parameter changes from ECHO_CANCELLER_ CONTROL to ECHO_CANCELLER_CONTROL_BACKWARD, and the names of the values change from AFTER_ACM to PROGRESS and AFTER_ANM to ANSWER.

ECHO_CANCELLER_CONTROL_FORWARD

Parameter name

Echo Canceller Control Forward

Functional description

This parameter provides a range of options for sequencing echo canceller control. These options, SEIZURE and PROGRESS, supplement the ECEQUIP field of TRKSGRP. ECEQUIP is a Boolean indicative of the presence of echo canceller equipment.

When a trunk returns to service, the trunk data message forms a composite value to ensure the proper echo cancelling control as shown below.

ECHO_CANCELLER_CONTROL_FORWARD	ECEQUIP	Composite value
SEIZURE	N	NONE
PROGRESS	N	NONE
SEIZURE	Y	SEIZURE
PROGRESS	Y	PROGRESS

Provisioning rules

None

Range information

Minimum	Maximum	Default
		SEIZURE

Activation

This parameter is evaluated in conjunction with the ECEQUIP field of table TRKSGRP. A change in the value of the parameter activates on a per-trunk basis when the trunk is returned to service.

Dependencies

Not applicable

ECHO_CANCELLER_CONTROL_FORWARD (end)

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult with Nortel Customer Engineering.

Parameter history
BCS29

This parameter was introduced in BCS29.

ECHO_DELAY_THRESHOLD

Parameter name

Echo Delay Threshold

Functional description

This parameter specifies the minimum value of the total round trip delay for a call. All calls whose total round trip delay is equal to or greater than the value of this office parameter are routed via loop around IMTs with echo cancellers.

Provisioning rules

None

Range information

Minimum	Maximum	Default
1	31	31

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

Each unit requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

ECORE_FORMAT

Parameter name

Enhanced Core Format

Functional description

A switching unit with the Enhanced Core (ECORE) feature requires this parameter. This parameter specifies if the log header is expanded to the ECORE format.

In the ECORE format, the log header contains a NODENAME field. The limit of this field is ten characters.   These characters are eight NODENAME characters, plus one leading and trailing space. If the NODENAME field is less than eight characters in length, the field blanks are added to fill the eight character field.

The internal format of all logs does not change.

The parameter must be set all offices monitored in a downstream process.

Rules in provisioning

For switching units with the ECORE feature, set the value of this parameter to Y (yes).

For switching units that do not have the ECORE feature, leave the value at the default of N (no).

Range information

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Refer to the *Log Report Reference Manual* for additional information on these log formats.

Consequences

If the parameter is set to Y (Yes), an extra field (CM) is added to the LOG report when using the STD format in Table LOGDEV. See the example below.

```
CHRLNCRUDS2           CM       CM100 DEC18 09:16:20 6100 SUMM CM REPORT
                      CM 0 DATA FOLLOWS
```

If the parameter is set to Y (Yes) when using the SCC2 format in LOGDEV, an extra line (Log from node CM) is added. See the example below.

```
  20 TRK 138 9509 INFO TRMT CKT        CNCRNCXA03T       72
 Log from node CM
   TREATMENT SET = INAC   CALLED NO =
    CALLID=  0A2D 000E
```

If the parameter is set to N (No), the extra field (CM) does not appear in the log report when using the STD format in Table LOGDEV. See the example below.

```
CHRLNCRUDS2                     CM100 DEC18 09:16:20 6100 SUMM CM REPORT
                   CM 0 DATA FOLLOWS
```

If the parameter is set to N (No) when using the SCC2 format in LOGDEV, the extra line (Log from node CM) does not appear in the log report. See the example below.

```
  20 TRK 138 9509 INFO TRMT CKT        CNCRNCXA03T       72

   TREATMENT SET = INAC   CALLED NO =
    CALLID=  0A2D 000E
```

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

Parameter history

BCS23

This parameter was introduced in BCS23.

EDTULDFILE

Parameter name

Enhanced Digital Test Unit

Functional description

This parameter is used to store the default Enhanced Digital Test Unit (EDTU) firmware filename.

A filename option is provided in the LOADFW command to enable the user to specify the filename of the firmware load. When activated, the load-firmware software extracts EDTU firmware from the specified load file. If no filename is given, the default specified by this parameter is used.

Provisioning rules

Set the value of this parameter to the eight-character EDTU firmware default filename.

Range information

Minimum	Maximum	Default
		NILFNAME

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Datafill the default EDTU load in the table OFCVAR for tuple EDTULDINFO.

Memory requirements

No memory impact

Dump and restore rules

Not applicable

Parameter history

CSP04

This parameter was introduced in CSP04.

ENHANCED_ACCTCODE_LENGTH

Parameter name

Enhanced Account Code Length

Functional description

If this parameter is set to N, the UCS DMS-250 switch allows a five- to seven-digit authcode and a one- to five-digit account code to be sent to a Service Control Point for validation. No change is made to the Transaction Capability Application Part (TCAP). If this parameter is set to Y, the UCS DMS-250 switch allows an authcode of five to seven digits and an account code of one to twelve digits to be sent to a Service Control Point for validation. The TCAP account code query parameter is changed to carry the account code of one to twelve digits. In addition, the response message format of the TCAP authcode query is changed to allow enough room for the account code length field.

Provisioning rules

Not applicable

Range information

The range of values is Y or N.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

None

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

ENHANCED_ACCTCODE_LENGTH (end)

Dump and restore rules

Not applicable

Parameter history
UCS05

This parameter was introduced in UCS05.

ENHANCED_N00_TCAP

Parameter name

Enhanced N00 Transaction Capabilities Application (TCAP)

Functional description

This parameter indicates which format to use when creating an N00 TCAP invoke to an SCP as well as what type of return invoke to expect.

This parameter can be verified by proper datafill and using the CI commands N00TEST or TESTSS N00. The output from these commands determines which TCAP is used.

Provisioning rules

None

Range information

The range of values for this parameter is Y or N. A value of N indicates that the existing N00 TCAP format is to be used and the existing return invoke is expected. A value of Y indicates that the enhanced N00 TCAP format is used and an enhanced return invoke is expected.

Minimum	Maximum	Default
		N

Activation

Immediate. The parameter value is set when the feature is not activated (that is, feature is not present). In this case, the office parameter will not be visible, but will be set to N.

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

ENHANCED_N00_TCAP (end)

Dump and restore rules

For initial load applications, it should be set to its default value of N. In subsequent loads, copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history

BCS33

This parameter was introduced in BCS33.

ENHANCED_TCN_TCAP

Parameter name

Enhanced Travel Card Network (TCN) Transaction Capability Application Part (TCAP)

Functional description

When this parameter is set to Y, the UCS DMS-250 switch sends the Called and Calling Party Addresses inside the Intelligent Network Phase 1 (IN1) TCN request message. When this parameter is set to N, the UCS DMS-250 switch does not send the Called and Calling Party Addresses inside the Intelligent Network Phase 1 (IN1) TCN request message.

Provisioning rules

The Soc CRDS0004 must be turned on for this parameter to be functional.

Range information

The range of values is Y and N.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

ENHANCED_TCN_TCAP (end)

Parameter history

UCS06

This parameter was introduced in UCS06.

EOPS_7_DIGIT_IS_DOM

Parameter name

Enhanced Operator Position System (EOPS) 7 Digit Is Domestic

Functional description

This parameter specifies whether seven-digit calls are classified as local or domestic at the operator station.

Provisioning rules

None

Range information

The range of values is Y or N. If the value is N, seven-digit calls are classified as LOCAL and the LOC designator is displayed following the CLD NUMBER. If the value is Y, seven-digit calls are classified as DOMESTIC and a designator does not display after the CLD NUMBER.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

EOPS_7_DIGIT_IS_DOM (end)

Parameter history

BCS34

This parameter was introduced in BCS34.

EOPS_CALL_ARRIVAL_TONE_ACTIVE

Parameter name

Enhanced Operator Position System (EOPS) Call Arrival Tone Active

Functional description

This parameter allows the customer to specify the queue types that provide call arrival tone to a subscriber routing to an operator.

Note: This parameter is only for EOPS customers.

Provisioning rules

None

Range information

The values for this parameter are GEN, XFR1, XFR2, NONE, ALL and $. The default value ALL provides call arrival tone to all calls.

Minimum	Maximum	Default
		ALL

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

EOPS_CALL_ARRIVAL_TONE_ACTIVE (end)

Parameter history

BCS29

This parameter was introduced in BCS29.

EOPS_ONC_ENTRYCODE

Parameter name

Enhanced Operating Position System (EOPS) Operator Network Center (ONC) Entry Code

Functional description

This parameter provides rules for how the UCS DMS-250 switch handles call processing and operator services record (OSR) format.

Note: This parameter is only for EOPS customers.

Provisioning rules

None

Range information

The range of values is Y or N. When this parameter is set to N, the UCS DMS-250 switch passes call processing and OSR format on TOPS_CLASS_CHARGE field (EOPS platform) or current entry code (EOPS with release line trunk (RLT) platform). When this parameter is set to Y, the switch bases call processing and OSR format on new entry code as specified by the ONC for both EOPS platforms.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

EOPS_ONC_ENTRYCODE (end)

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history

BCS32

This parameter was introduced in BCS32.

EOPS_PEG_NCWV

Parameter name

Enhanced Operator Position System (EOPS) Peg Noncall Work Volume (NCWV)

Functional description

This parameter allows for pegging NCWV.

Provisioning rules

None

Range information

The range of values is Y or N. N indicates that NCWV is not pegged, and Y indicates that NCWV is pegged.

Minimum	Maximum	Default
		Y

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

EOPS_PEG_NCWV (end)

Parameter history

BCS31

This parameter was introduced in BCS31.

EOPS_PREFIX_SNPA_FOR_7_DIGIT

Parameter name

Enhanced Operator Position System (EOPS) Prefix Serving Numbering Plan Area (SNPA) For 7 Digit

Functional description

This parameter converts a 0+ 7-digit call to a ten-digit call. When a dialed number is identified in table STDPRTCT as a 0+ 7-digit call, an SNPA is prefixed to create a ten-digit number. The first choice for the SNPA prefix is the first three digits of the automatic number identification (ANI) or the pseudo-ANI (PANI). If no ANI or PANI is available, the SNPA from table TRKGRP is prefixed to the seven-digit number.

Note: This parameter is only for EOPS customers.

Provisioning rules

None

Range information

The range of values is Y or N.

Minimum	Maximum	Default
		N

Activation

Cold restart

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

EOPS_PREFIX_SNPA_FOR_7_DIGIT (end)

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history

UCS05

Updated the functional description.

BCS29

This parameter was introduced in BCS29.

EOPS_SEND_CALLID

Parameter name

Enhanced Operator Position System (EOPS) Send Call Identification

Functional description

This parameter works in conjuction with the feature Start Of Call Indicator. The parameter EOPS_START_END_CALL_INDICATOR needs to be set to Y along with EOPS_SEND_CALLID for the callid to be sent to the ONC following the Start Of Call Indicator. If either or both of the office parameters are N, then callid is generated for each call but is not sent to the ONC.

Note: This parameter is only for EOPS customers.

Provisioning rules

None

Range information

The range of values is Y or N.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

EOPS_SEND_CALLID (end)

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history

BCS32

This parameter was introduced in BCS32.

EOPS_START_END_CALL_INDICATOR

Parameter name

Enhanced Operator Services (EOPS) Start End Call Indicator

Functional description

This parameter controls the activation of EOPS start-of-call and end-of-call message indicators from the UCS DMS-250 switch to the operator center to determine call initiation and take down.

Provisioning rules

None

Range information

The range of values is Y or N. The value Y turns on this feature.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

EOPS_START_END_CALL_INDICATOR (end)

Parameter history

BCS32

This parameter was introduced in BCS32.

EdGe_SWITCH

Parameter name

Edge Switch office parameter.

Functional description

The EDGE_SWITCH office parameter is used to trigger the Access Record Call Code functionality.

Provisioning rules

None.

Range information

The range of values is Y or N.

Minimum	Maximum	Default
		N

Activation

Immediate.

Dependencies

Not applicable.

Memory requirements

One bit of protected memory store is required for this parameter.

Verification

To verify the parameter make a call and see that the ORIG10TH field is populated.

Consequences

This parameter affects the population of billing information.

Dump and restore rules

Not applicable.

EdGe_SWITCH (end)

Parameter history
UCS09
This parameter was introduced (AX1247).

EXIT_MSG_RECEIVING

Parameter name

EXIT_MSG_RECEIVING

Functional description

EXIT_MSG_RECEIVING control the reception of the ISUP Exit Message.

When you set EXIT_MSG_RECEIVING to "Y" ,the UCS DMS-250 is enabled to receive the incoming ISUP EXIT Message.

When EXIT_MSG_RECEIVING is set to "N" , the existing call processing function is applied. The incoming ISUP Exit Message is discarded, the call aborted, and a C7UP101 log is generated.

Provisioning rules

Not applicable

Range information

Range information

EXIT_MSG_RECEIVING can have a value of "Y" or "N"

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

None

Consequences

Not applicable

Verification

Not applicable

Memory requirements

EXIT_MSG_RECEIVING requires one bit of memory.

EXIT_MSG_RECEIVING (end)

Dump and restore rules

Not applicable.

Parameter history
UCS14

Feature A60008669 introduce this parameter.

FACALARM

Parameter name

Facility Check Failure Alarm (FACALARM)

Functional description

This parameter is the facility check failure flag. The system maintains three threshold levels are for the failure type. The threshold levels are minor, major and critical.

An alarm condition occurs when one or more of the failure counters exceeds one of the threshold levels.

To change the value of this parameter, use the ALMSTAT command at the LTP MAP level.

Rules in provisioning

Set the values of this parameter to represent the facility check failure alarm thresholds. For example, the default value of 10 20 30 represents the following alarm thresholds:

- a minor alarm threshold of 10 failures

- a major alarm threshold of 20 failures

- a critical alarm threshold of 30 failures

Range information

Minimum	Maximum	Default
0	32767	10 20 30

Activation

Use the ALMSTAT command at the LTP MAP level to change this parameter. The ALMSTAT changes the value, all current alarms update to reflect the failures with the new values. Changes to the parameter value at ALMSTAT update all current albums to reflect failures that occur with the new values.

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter requires 1 word of memory.

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

FCDR_ANSCDR_CDT

Parameter name

Flex Call Detail Record (FCDR) Answer CDR Call Data Type (CDT)

Functional description

This office parameter identifies the CDT needed to generate CDRs by the answer feature. The CDT is associated with a CDR stream in the CRSMAP table, and can be used to deliver CDRs generated at answer to a separate billing stream/ Device Independent Recording Package (DIRP) file. The purpose of the CDR on answer feature is to generate incomplete CDRs upon answer event of the call. When answer occurs for a call with this feature active, the per-call recording unit is copied and delivered to the billing system for formatting. Upon disconnect, a completed CDR is formatted for the call.

Provisioning rules

Not applicable

Range information

The range of values is as follows:

- CAMA which refers to Centralized Automatic Message Accounting
- TOPS which refers to Traffic Operator Position System
- AOSS which refers to Auxiliary Operator Services System
- OCC which refers to Other Common Carrier

Minimum	Maximum	Default
		OCC

Activation

Perform the following procedure to activate the changes made to the FCDR_ANSCDR_CDT office parameter.

At the CI prompt

1. Access the CTMPLT tool by typing:

   >CTMPLT

2. Activate the change by typing:

   >UPGRADE

   Example of a MAP response:

   ```
   Are you sure Y/N?Please confirm ("YES", "Y", "NO", or
   "N"):>YThe UPGRADE will continue from this point.The FLEXCDR
   feature is not currently SOCed,therefore the CTMPLT table,
   the active index,and the timestamps are not modified for
   this UPGRADE.The UPGRADE has completed successfully.
   ```

FCDR_ANSCDR_SBSCDT

Parameter name

Flex Call Detail Record (FCDR) Answer CDR Supernode Billing Server Call Data Type (SBSCDT)

Functional description

This parameter is the same as FCDR_ANSCDR_CDT. The difference is that while FCDR_ANSCDR_CDT specifies the Device Independent Recording Package (DIRP) to be used, FCDR_ANSCDR_SBSCDT specifies the Device Recording Manager (DRM) to be used. The parameter FCDR_ANSCDR_SBSCDT is significant only when the operating personnel is using the SBS to process billing records.

Provisioning rules

Any valid billing stream datafilled in table SBSMAP.

Range information

The range of values is as follows:

- CAMA which refers to Centralized Automatic Message Accounting

- TOPS which refers to Traffic Operator Position System

- AOSS which refers to Auxiliary Operator Services System

- OCC which refers to Other Common Carrier

Minimum	Maximum	Default
		OCC

Activation

Perform the following procedure to activate the changes made to the FCDR_ANSCDR_SBSCDT office parameter.

FCDR_ANSCDR_SBSCDT (end)

At the CI prompt

1. Access the CTMPLT tool by typing:

    >CTMPLT

2. Activate the change by typing:

    >UPGRADE

    ```
    Are you sure Y/N?Please confirm ("YES", "Y", "NO", or
    "N"):>YThe UPGRADE will continue from this point.The FLEXCDR
    feature is not currently SOCed,therefore the CTMPLT table,
    the active index,and the timestamps are not modified for
    this UPGRADE.The UPGRADE has completed successfully.
    ```

FCDR_GEN_600_LOG

Parameter name

Flex Call Detail Record (FCDR) Generate 600 Log

Functional description

This parameter specifies whether a new FCDR600 log is generated. The FCDR600 log is generated when the CDR is padded to fit the specified fixed size as defined by the office parameter FCDR_CDR_SIZE.

Provisioning rules

Not applicable

Range information

The range of values for this parameter is Y or N.

Minimum	Maximum	Default
		N

Activation

Perform the following procedure to activate the changes made to the FCDR_GEN_600_LOG office parameter.

At the CI prompt

1. Access the CTMPLT tool by typing:

   >CTMPLT

2. Activate the change by typing:

   >UPGRADE

   Example of a MAP response:

   ```
   Are you sure Y/N?Please confirm ("YES", "Y", "NO", or
   "N"):>YThe UPGRADE will continue from this point.The FLEXCDR
   feature is not currently SOCed,therefore the CTMPLT table,
   the active index,and the timestamps are not modified for
   this UPGRADE.The UPGRADE has completed successfully.
   ```

Parameter name

Flex Call Detail Record (FCDR) Generate 601 Log

Functional description

This office parameter specifies whether a new FCDR 601 log is generated. The FCDR601 log identifies when the fields formatted in the CDR do not contain any data and can be used to fin tune the CDR templates to certain call types.

Provisioning rules

Not applicable

Range information

The range of values is Y or N.

Minimum	Maximum	Default
		N

Activation

Perform the following procedure to activate the changes made to the FCDR_GEN_601_LOG office parameter.

At the CI prompt

1. Access the CTMPLT tool by typing:

    >CTMPLT

2. Activate the change by typing:

    >UPGRADE

    Example of a MAP response:

    ```
    Are you sure Y/N?Please confirm ("YES", "Y", "NO", or
    "N"):>YThe UPGRADE will continue from this point.The FLEXCDR
    feature is not currently SOCed,therefore the CTMPLT table,
    the active index,and the timestamps are not modified for
    this UPGRADE.The UPGRADE has completed successfully.
    ```

FEATBYTE_FIRST_BYTE

Parameter name

Feature Byte First Byte

Functional description

This office parameter provides the FEATB_NUM key value for the initial query into table FEATBYTE. Call processing uses this value and the FEATBYTE_FIRST_INDEX office parameter when processing feature byte values from the Transaction Capability Application Part (TCAP) response message. These two office parameters and the given feature byte value from the TCAP response establishes the initial three-part key into the FEATBYTE table.

The feature byte table identifies, through a set of options, certain call types and interaction requirements directly related to the information contained in a TCAP response message.

The FEATBYTE table is indexed by a numeric index, the feature byte number, and the individual feature byte values to identify the required processing options for that feature byte. Available options within the FEATBYTE table are:

- DPIDX - provides an index into the FLEXDIAL table
- FEATB - provides an index into the FEATBYTE table
- PROCESS - provides specific call processing data value

Provisioning rules

Not applicable

Range information

Minimum	Maximum	Default
1	8	1

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

The steps for verification of this parameter are as follows:

- Ensure these office parameters are set to the following values:

  — Set office parameter FEATBYTE_FIRST_INDEX to 1.

  — Set office parameter FEATBYTE_FIRST_BYTE to 1.

  — Set office parameter FEATBYTE_FIRST_MASK to 255.

- Datafill a tuple in FEATBYTE table for the key of (1 1 14) to be (DPIDX) Replace.

    Note: Following the DPIDX field is the FLEXDIAL index value. This field has been left blank. To execute the verification steps, a valid FLEXDIAL index is needed for the following two steps.

- Datafill a tuple in FLEXDIAL table for the key used in the previous step to be (ADDR) 3 11 $ (TERMINATE).

- Establish an N00 call from an AXXESS agent which receives a TCAP response message with a Feature Byte 1 value of 14.

- Verify that the FLEXDIAL tuple identified by the DPIDX index was processed. The call terminates to the routing number identified in the TCAP response message.

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

No dump and restore is needed.

Parameter history

UCS06

This parameter was introduced in UCS06.

FEATBYTE_FIRST_INDEX

Parameter name

Feature Byte (FEATBYTE) First Index

Functional description

This office parameter provides the NUM_INDX key value for the initial query into the FEATBYTE table. Call processing uses this value and the FEATYTE_FIRST_BYTE office parameter when processing the feature byte values from a Transaction Capability Application Part (TCAP) response message. With both of these office parameters and the given feature byte value from the TCAP response, a three-part key into the FEATBYTE table is established.

The FEATBYTE table identifies, through a set of options, certain call types and interaction requirements directly related to the information contained in a TCAP response message.

The FEATBYTE table is indexed by a numeric index, the feature byte number, and the individual feature byte values to identify the required processing options for that feature byte. Available options within the FEATBYTE table are:

- DPIDX - provides an index into the FLEXDIAL table
- FEATB - provides an index into the FEATBYTE table
- PROCESS - provides specific call processing data value

Provisioning rules

Not applicable

Range information

Minimum	Maximum	Default
0	8191	0

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

The steps for verification of this parameter are as follows:

- Ensure these office parameter are set to the following values:

  — Set office parameter FEATBYTE_FIRST_INDEX to 1.

  — Set office parameter FEATBYTE_FIRST_BYTE to 1.

  — Set office parameter FEATBYTE_FIRST_MASK to 255.

- Datafill a tuple in FEATBYTE table for the key of (1 1 14) to be (DPIDX) Replace.

  Note: Following the DPIDX field is the FLEXDIAL index value. This field has been left blank. To execute the verification steps, a valid FLEXDIAL index is needed for the following two steps.

- Datafill a tuple in FLEXDIAL table for the key used in the previous step to be (ADDR) 3 11 $ (TERMINATE).

- Establish an N00 call from an AXXESS agent which receives a TCAP response message with a Feature Byte 1 value of 14.

- Verify that the FLEXDIAL tuple identified by the DPIDX index was processed. The call terminates to the routing number identified in the TCAP response message.

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

No dump and restore is needed.

Parameter history

UCS06

This parameter was introduced in UCS06.

FEATBYTE_FIRST_MASK

Parameter name

Feature Byte (FEATBYTE) First Mask

Functional description

This office parameter provides the mask to apply to the first Feature Byte value. The resulting value is then used as the initial FEATB_VAL. The FEATB_VAL along with the parameters FEATBYTE_FIRST_INDEX and FEATBYTE_FIRST_BYTE make up the initial three-part key to the FEATBYTE table for call processing.

The feature byte table identifies, through a set of options, certain call types and interaction requirements directly related to the information contained in a Transaction Capability Application Part (TCAP) response message.

The FEATBYTE table is indexed by a numeric index, the feature byte number, and the individual feature byte values to identify the required processing options for that feature byte. Available options within the FEATBYTE table are:

- DPIDX - provides an index into the FLEXDIAL table

- FEATB - provides an index into the FEATBYTE table

- PROCESS - provides specific call processing data value

Provisioning rules

Not applicable

Range information

Minimum	Maximum	Default
0	255	255

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

The steps for verification of this parameter are as follows:

- Ensure these office parameters are set to the following values:

  — Set office parameter FEATBYTE_FIRST_INDEX to 1.

  — Set office parameter FEATBYTE_FIRST_BYTE to 1.

  — Set office parameter FEATBYTE_FIRST_MASK to 255.

- Datafill tuple in FEATBYTE table for the key of (1 1 14) to be (DPIDX) Replace.

  Note: Following the DPIDX field is the FLEXDIAL index value. This field has been left blank. To execute the verification steps, a valid FLEXDIAL index is needed for the following two steps.

- Datafill tuple in FLEXDIAL table for the key used in the previous step to be (ADDR) 3 11 $ (TERMINATE).

- Establish an N00 call from an AXXESS agent which receives a TCAP response message with a Feature Byte 1 value of 14.

- Verify that the FLEXDIAL tuple identified by the DPIDX index was processed. The call terminates to the routing number identified in the TCAP response message.

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

No dump and restore is needed.

Parameter history

UCS06

This parameter was introduced in UCS06.

FEATBYTE_NOANSDUR_MULT

Parameter name

Feature Byte (FEATBYTE) No Answer Duration Multiplier

Functional description

This office parameter provides the multiplier used in the calculation of the No Answer Duration value.

Provisioning rules

Not applicable

Range information

Minimum	Maximum	Default
0	20	1

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

The steps for verification of this parameter are as follows:

- Ensure these office parameters are set to the following values:
  - Set office parameter FEATBYTE_FIRST_INDEX to 1.
  - Set office parameter FEATBYTE_FIRST_BYTE to 1.
  - Set office parameter FEATBYTE_FIRST_MASK to 255.
  - Set office parameter FEATBYTE_NOANSDUR_MULT to 2.
  - Set office parameter FEATBYTE_NOANSDUR_OFFSET to 5.
- Datafill tuple in FEATBYTE table for the key of (1 1 64) to be (PROCESS NOANSTMR 120) $

FEATBYTE_NOANSDUR_MULT (end)

- Establish an N00 call from an AXXESS agent which receives a Transaction Capability Application Part (TCAP) response message with a Feature Byte 1 value of 64.

- Verify that the No Answer Duration value is set to 21. The calculation used to derive this value is as follows:

Offset + [(Featbyte value and mask) × multiplier]

$5 + [(64 \, \& \, 120 = 8) \times 2] = 21$

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

No dump and restore is needed.

Parameter history

UCS06

This parameter was introduced in UCS06.

FEATBYTE_NOANSDUR_OFFSET

Parameter name

Feature Byte (FEATBYTE) No Answer Duration Offset

Functional description

This office parameter provides the offset used in the calculation of the No Answer Duration value. The resulting value from the calculation is used as the timer value for the No Answer Duration.

Provisioning rules

Not applicable

Range information

Minimum	Maximum	Default
0	20	0

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

The steps for verification of this parameter are as follows:

- Ensure these office parameters are set to the following values:
  — Set office parameter FEATBYTE_FIRST_INDEX to 1.
  — Set office parameter FEATBYTE_FIRST_BYTE to 1.
  — Set office parameter FEATBYTE_FIRST_MASK to 255.
  — Set office parameter FEATBYTE_NOANSDUR_MULT to 2.
  — Set office parameter FEATBYTE_NOANSDUR_OFFSET to 5.
- Datafill tuple in FEATBYTE table for the key of (1 1 64) to be (PROCESS NOANSTMR 120) $.

FEATBYTE_NOANSDUR_OFFSET (end)

- Establish an N00 call from an AXXESS agent which receives a Transaction Capability Application Part (TCAP) response message with a Feature Byte 1 value of 64.

- Verify that the No Answer Duration value is set to 21. The calculation used to derive this value is as follows:

Offset + [(Featbyte value and mask) × multiplier]

$5 + [(64 \,\&\, 120 = 8) \times 2] = 21$

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

No dump and restore is needed.

Parameter history
UCS06

This parameter was introduced in UCS06.

FEATURE_DIALTONE

Parameter name

Feature Dialtone

Functional description

This parameter is required for UCS DMS-250 offices with the progressive six-party conference calling feature.

This feature allows a specialized common carrier subscriber to establish a conference call of up to six conferees (including the originator) without the aid of an attendant.

Subscriber access to the network is with either an off network access line (ONAL) or a dedicated access line (DAL) receiving 350 + 440 hertz dialtone followed by a prompt tone if an authcode is to be dialed. If the subscriber is allowed conference calls and dials ACT or ADDACT, feature dialtone is received.

Provisioning rules

None

Range information

The range of values for this parameter is NORM, SPEC, or NONE.

Minimum	Maximum	Default
		NORM

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

FEATURE_DIALTONE (end)

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel.

Parameter history

BCS14

This parameter was introduced in BCS14.

FGD_CC_MF_ADDRESS

Parameter name

Feature Group D (FGD) Calling Card Mulifrequency Address

Functional description

This office parameter enables or disables local exchange carrier (LEC) calling card processing on FGD trunks.

Provisioning rules

None

Range information

The range of values is Y or N. If this parameter is set to Y, LEC calling card processing is enabled on FGD trunks. If set to N, LEC calling card processing is disabled on FGD trunks.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

FGD_CC_MF_ADDRESS (end)

Parameter history

BCS30

This parameter was introduced in BCS30.

FGD_CUTTHRU_PASSTHRU

Parameter name

FGD Cutthru Passthru

Functional description

FGD_CUTTHRU_PASSTHRU enables the UCS DMS-250 switch to route cut-thru calls defined for an ANI to a UCS exchange for EA feature processing and further routing.

Provisioning rules

Not applicable

Range information

FGD_CUTTHRU_PASSTHRU supports three route selectors: S, T, and VACT.

- The S selector has a further refinement to define the CLLI for the call.

- The T selector has a further refinement to define the office route for the call. All of the current UCS DMS-250 switch routing selectors are supported in the office route tables, including TRMT, which routes the call to the treatment specified in the route.

- The VACT selector indicates the call receives vacant code treatment.

Minimum	Maximum	Default
		VACT

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

The following steps verify this parameter:

1. Set the option in table ANISCUSP to PURE_CUT.

2. Set the parameter FGD_CUTTHRU_PASSTHRU to VACT.

FGD_CUTTHRU_PASSTHRU (end)

3. Establish a cut-thru call.

4. Verify that the call terminated to treatment VACT.

Memory requirements

This parameter requires two words of memory.

Dump and restore rules

Not applicable

Parameter history

UCS05

This parameter was introduced in UCS05.

FGD_PURE_PASSTHRU

Parameter name

FGD Pure Passthru

Functional description

FGD_PURE_PASSTHRU enables the UCS DMS-250 switch to route pure calls defined for an ANI to a UCS exchange for EA feature processing and further routing.

Provisioning rules

Not applicable

Range information

FGD_PURE_PASSTHRU supports three route selectors: S, T, and VACT.

- The S selector has a further refinement to define the CLLI for the call.

- The T selector has a further refinement to define the office route for the call. All of the current UCS DMS-250 switch routing selectors are supported in the office route tables, including TRMT, which routes the call to the treatment specified in the route.

- The VACT selector indicates the call receives vacant code treatment.

Minimum	Maximum	Default
		VACT

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

The following steps verify this parameter:

1. Set the option in table ANISCUSP to PURE_CUT.

2. Set the parameter FGD_PURE_PASSTHRU to VACT.

FGD_PURE_PASSTHRU (end)

3. Establish a pure call.

4. Verify that the call terminated to treatment VACT.

Memory requirements

This parameter requires two words of memory.

Dump and restore rules

Not applicable

Parameter history

UCS05

This parameter was introduced in UCS05.

FIXED_CFBD_DEFAULT_STATE

Parameter name

Fixed CFBD default state.

Functional description

This parameter controls the default value of Call Forward Do Not Answer (CFDA) and Call Forward Busy Line (CFBL) states. This parameter controls the default value of the CFDA and CFBL when the value of field CFDACNTL or CFBLCNTL is F (fixed). This parameter also contains the default value of CFDA and CFBL when the value of field CFDACNTL or CFBLCNTL changes from N (normal) to F.

The NTX413AB IBN Enhanced Call Forward package allows end users to modify the CFDA and CFBL states and the forwarded-to directory number (DN). The Service Order System (SERVORD) prompts the user for fields CFDACNTL and CFBLCNTL. The SERVORD prompts the user when the office parameter RES_SO_SIMPLIFICATION subfield ENHANCED_POTS_OPTIONS in table OFCVAR is Y.

Fields CFDACNTL and CFBLCNTL can have the following values:

- N - Normal assignment. This value is the default value. This value is always active. The end user cannot control the call forward state or the forwarded DN.

- F - Fixed assignment. The end user can change the call forward state only.

- C - Programmed assignment. The end user can change the call forward state and the forwarded DN.

Rules in provisioning

Patch FPA48 activates the options CFDA and CFBL. Patch 48 activates these options when CFDA and CFBL are on a RES line. Options CFDA and CFBL are present on a RES line where the user changes the contrast of field from N to F. The default value of this office parameter depends on the state of patch FPA48. If patch FPA48 is active on the dump side, set this office parameter to ACT. If patch FPA48 was not active on the dump side, the default is INACT.

Range information

Minimum	Maximum	Default
NA	NA	INACT

FIXED_CFBD_DEFAULT_STATE (end)

Activation

Immediate

Dependencies

The value of office parameter FIXED_CFBD_DEFAULT_STATE can affect table CFX (Call forwarding). This office parameter affects table CFX when the value of CFD is the same as the value of office parameter FIXED_CFBD_DEFAULT_STATE.

Set the office parameter RES_SO_SIMPLIFICATION subfield ENHANCED_POTS_OPTIONS to Y to display the CFDACNTL or CFBLCNTL prompts.

Consequences

Does not apply

Verification

Verify that table OFCVAR contains this parameter.

Memory requirements

Does not apply

Dump and restore rules

Does not apply

Parameter history
NA002

This parameter was introduced in NA002.

FLEXDIAL_N00_FLEXTYPE

Parameter name

FlexDial N00 Flextype

Functional description

This parameter identifies the FLEXTYPE table index that is used in a SUBR MSGCTR message that contains an N00 or access number. Typically, these are 800, 888, or 950 numbers. This office parameter is used during ADDR or ADDRPARM collectable processing when processing a UAX STDPRTCT table selector or when processing a Transaction Capability Application Part (TCAP) response message for the N00 application. (Ver_2 N00 TCAP only)

Provisioning rules

Not applicable

Range information

The range of entries are in table FLEXTYPE. The options are as follows: NIL, ANI, AUT, ACCT, PIN, TCN, 800NUM, CLGPTY, UAC, SUBRT-TRS, UAX, STS.

Minimum	Maximum	Default
		The default is the first entry in table FLEXTYPE.

Activation

Immediate

Dependencies

Datafill table FLEXTYPE with proper entries prior to setting this office parameter to the desired values.

Consequences

The dialed number digits (typically N00 digits) are formatted in a MSGCTR filed message for a SUBR collectible of the FLEXTYPE defined by the office parameter.

FLEXDIAL_N00_FLEXTYPE (end)

Verification

To verify FLEXDIAL_N00_FLEXTYPE execute the following:

- Datafill the tables listed below with the following values:

    — FLEXTYPE = 800NUM (BILLFLD ANISP) $

    — FLEXDIAL =

        – IDX1: [ADDR 1 15 (prompt tone Std SD 255 N) $ (validate inswitch PRTN ignore) $] $ N

        – IXD2: (SUBR 10 10 800NUM $) $ N (prompt tone std H 255 N) $

    — STDPRTCT: PRTN = SUBL 8009501022 8009501022 UAX IDX2 append

    — TRKGRP: TRK1 AXXESS DPIDX = IDX1

- Set FLEXDIAL_N00_FLEXTYPE parameter to 800NUM.

- Originate a trunk.

- Dial 8009501022.

- Verify the call completes and the N00 number is in the ANISP billing record field.

- Change FLEXDIAL_N00_FLEXTYPE parameter to NIL.

- Verify after collecting an address that a second prompt tone (high tone) is provided.

- Enter ten digits.

- Verify the call is complete and the ten digits entered are in the ANISP billing record field.

Memory requirements

The parameter requires one word of memory.

Dump and restore rules

Not applicable

Parameter history

UCS06

This parameter was released in UCS06.

GEN_COSBLK_LOG

Parameter name

Generate Class Of Service (COS) Block Log

Functional description

This parameter determines whether a TRK255 log report should be generated whenever a COS is considered blocked.

Provisioning rules

None

Range information

The range of values for this parameter is Y or N. When the value is Y, a TRK255 log report is generated when a COS is considered blocked. When the value is N, a log report is not generated.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

GLOBAL_TESTCALL_PRTNM

Parameter name

Global Test Call Pretranslator (PRT) Name (NM)

Functional description

This parameter is used to test calls originating on Register Signaling 2 (R2), Universal Carrier Protocol (UCP) ISDN User Part (ISUP), Mexican ISUP, and International Telecommunication Union (ITU) trunk.

Provisioning rules

Not applicable

Range information

The range of values is the external pretranslator name with a vector of up to 4 characters.

Minimum	Maximum	Default
		NPRT (Nil Pretranslator)

Activation

Immediate

Dependencies

None

Consequences

Not applicable

Verification

When a test call is made on a R2, UCSP ISUP, Mexican ISUP or Mexican ITU trunk, GLOBAL_TESTCALL_PRTNM is used for translating the call. Usually this parameter is datafilled as C7PT. Verify this parameter by datafilling the digits under C7PT pretranslator name and deleting from the normal trunk group pretranslator name, for example R2 or UMT.

Memory requirements

This parameter requires one byte of memory

GLOBAL_TESTCALL_PRTNM (end)

Dump and restore rules

Not applicable

Parameter history

UCS07

This parameter was introduced in UCS07.

IE_LAS_ON_700_CDB

Parameter name

Incoming Exclusion (IE) LATA/State On 700 Called Billed

Functional description

This parameter indicates whether incoming exclusion and/or interlata/state screening is performed for a 700 called-party-billed call.

Provisioning rules

None

Range information

The range of values is Y or N. A value of Y means screening is allowed. A value of N means there is no screening for the calls.

Minimum	Maximum	Default
		N

Activation

Not applicable

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

IE_LAS_ON_700_CGB

Parameter name

Incoming Exclusion (IE) LATA/State On 700 Calling Billed

Functional description

This parameter indicates whether incoming exclusion and/or interLATA/state screening is performed for a 700 calling-party-billed call.

Provisioning rules

None

Range information

The range of values is Y or N. Y indicates screening is allowed. N indicates there is no screening for the calls.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one wrod of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

IE_LAS_ON_800_UA

Parameter name

Incoming Exclusion (IE) Local Access and Transport Area (LATA) State On 800 Universal Access

Functional description

This parameter provides the capability to selectively override the screening for 800 universal access traffic.

Provisioning rules

None

Range information

The range of values is Y or N. Y means screening is allowed. N means there is no call screening.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

IE_LAS_ON_900_CDB

Parameter name

Incoming Exclusion (IE) Local Access and Transport Area (LATA) State On 900 Called Billed

Functional description

This parameter indicates whether incoming exclusion and/or InterLATA/State screening is performed for a 900 called-party-billed call.

Provisioning rules

None

Range information

The range of values is Y or N. Y means screening is allowed. N means there is no call screening.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

IE_LAS_ON_900_CGB

Parameter name

Incoming Exclusion (IE) Local Access and Transport Area (LATA) State On 900 Calling Billed

Functional description

This parameter indicates whether incoming exclusion and/or interLATA/state screening is performed for a 900 calling-party-billed call.

Provisioning rules

None

Range information

The range of values is Y or N. Y means screening is allowed. N means there is no call screening.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

IE_LAS_ON_INWATS

Parameter name

Incoming Exclusion (IE) Local Access and Transport Area (LATA) State On Inbound Wide Area Telephone Service (INWATS)

Functional description

This parameter provides the capability to selectively override the incoming exclusion screening and/or intra LATA/state blockage screening for 800 INWATS traffic.

The incoming exclusion override capability is based on trunk group datafill, while intra LATA/State screening is based on comparison between dialed number and the auto number identification (ANI) received.

Provisioning rules

None

Range information

The range of values is Y or N. Y means screening is allowed. N means screening is not allowed.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

IE_LAS_ON_INWATS (end)

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer
Engineering.

IGNORE_REGION_THRESH

Parameter name

Ignore Region Threshold

Functional description

The system uses this parameter to specify the frames received in the region, outside MV (R) to MV (R) + MW + MX - 1. The system ignores these frames before the multilink reset procedures starts.

Rules in provisioning

Specify the frames received in the region, outside MV (R) to MV (R) + MW + MX - 1. The system ignores these frames before the multilink reset procedures start.

If you do not require this function, set the value of this parameter to 0.

Range information

Minimum	Maximum	Default
0	4096	10

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

IGNORE_REGION_THRESH (end)

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

IGNORE_TCAP_CPI_PROVIDED

Parameter name

IGNORE_TCAP_CPI_PROVIDED

Functional description

This office parameter indicates if the CPI_PROVIDED parameter in the response message from an N00 TCAP query should be ignored. When IGNORE_TCAP_CPI_PROVIDED is set to Y, the UCS DMS-250 switch ignores the CPI_PROVIDED parameter in the response message from the N00 TCAP query. When IGNORE_TCAP_CPI_PROVIDED is set to N, the UCS DMS-250 switch processes the CPI_PROVIDED parameter in the response message from the N00 TCAP query.

Provisioning rules

Not applicable

Range information

The range of values for this parameter is Y or N.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Follow these steps to verify this parameter:

1. set up an N00 call that queries the SCP

2. set up the SCP to return CPI Provided set to N

3. set IGNORE_TCAP_CPI_PROVIDED to Y

4. ensure that the call completes as expected and that it delivers the proper ANI

IGNORE_TCAP_CPI_PROVIDED (end)

5. make the same call again, this time with
    IGNORE_TCAP_CPI_PROVIDED set to N

6. ensure that the call completes as expected and that the ANI is not
    delivered.

Memory requirements

This parameter requires 1 word of memory.

Dump and restore rules

During a one night process (ONP), if the patch WIG46 is active on the dump
side, this parameter will be set to Y on the restore side. If this parameter exists
on the dump side, the value is copied from the dump side to the restore side.

Parameter history

UCS08

This parameter was introduced.

IMAJALARM

Parameter name

Incoming Message Major Alarm

Functional description

This parameter is the major incoming message overload (ICMO) diagnostic failure flag.

When a line has too many keyhits in a specified time period, the line has a major ICMO condition. For an intelligent line, the system uses two time periods to determine an ICMO condition. On this type of line, the system considers 15 on/offs in a 1 s period to indicate a major ICMO. The system also considers 50 on/offs in a 5 s period to indicate a major ICMO condition. An intelligent line is a business or data set line.

For other types of lines, different time periods apply to determine an ICMO condition. These lines have a major ICMO condition when the system detects 135 on/offs in a 1 s period. When the system detects 100 on/offs in a 3 s period, the line has an ICMO condition.

When the time interval is greater than 1 s, the system only counts the first 40 on/offs per second.

A counter and three threshold levels (minor, major, and critical) are maintained for the failure type.

An alarm condition occurs when one or more of the failure counters exceeds one of the threshold levels.

To change the value of this parameter, use the ALMSTAT command at the LTP.

Rules in provisioning

Set the values of this parameter to represent the ICMO failure alarm thresholds. For example, the default value of 100 150 200 represents three different failures. A value of 100 represents a minor alarm threshold of 100 minor failures. A value of 150 represents a major alarm threshold of 150 failures. A value of 200 represents a critical alarm threshold of 200 failures.

Range information

Minimum	Maximum	Default
0 0 0	32767 32767 32767	100 150 200

Activation

Use the ALMSTAT command at the LTP MAP Level to change this parameter. When you use the ALMSTAT command to change the value, the system updates all current alarms to reflect the failures with the new values.

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

IMINALARM

Parameter name

Incoming Message Minor Alarm

Functional description

This parameter sets maintenance alarm thresholds for the minor incoming message overload (ICMO) diagnostic failure flag. The system maintains a counter and three threshold levels for the failure type. The three threshold levels are minor, major, and critical. An alarm condition occurs when one or more of the failure counters exceeds one of the threshold levels.

To change the value of this parameter, use the ALMSTAT command at the LTP MAP level.

Rules in provisioning

Set the values of this parameter to represent the incoming message overload alarm threshold values.

Northern Telecom recommends that this parameter remain set at the default value of 100 150 200. A value of 100 represents a minor alarm threshold of 100 failures. A value of 150 represents a major alarm threshold of 150 failures. A value of 200 represents a critical alarm threshold of 200 failures.

Range information

Minimum	Maximum	Default
0 0 0	32767 32767 32767	100 150 200

Activation

Use the ALMSTAT command at the LTP MAP level to change this parameter. This action causes the system to update all current alarms to reflect the failures with the new values.

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

This parameter was introduced in BCS19.

IMT_TANDEM_EC_ENABLE

Parameter name

IMT Tandem Echo Canceller Enable

Functional description

This parameter controls whether the UCS DMS-250 switch enables echo cancellers (EC) on SS7 tandem IMT calls. A tandem IMT call is a call in which both the originator and terminator are SS7 IMTs.

Provisioning rules

None

Range information

The range of values for this parameter is Y or N. The following information describes the results of setting this parameter to Y or N various circumstances:

- If this parameter is set to Y and it is a tandem IMT call, and if there are ECs on both IMTs, then both ECs are will be activated.

- If this parameter is set to Y and it is a tandem IMT call, and if there are no ECs on both IMTs, the EC is activated whether it is on the originator or the terminator.

- If this parameter is set to N and it is a tandem IMT call with both ECs on, neither EC is activated.

- If this parameter is set to N and it is *not* a tandem IMT call with both ECs on, the EC is activated only on the terminator.

- If this parameter is set to N and it is *not* a tandem call with an EC on the originator, it is activated.

- If this parameter is set to N and it is *not* a tandem IMT call with an EC on the terminator, is is activated.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

The NT6X50EC card must be present on the switch.

IMT_TANDEM_EC_ENABLE (end)

Consequences

If NT6X50EC cards are present and this parameter is set to N, then the ECs are not activated on tandem IMT calls.

Verification

Verify that when the value of this parameter is N, the UCS DMS-250 switch does not enable the ECs.

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history

UCS04.1

This parameter was introduced in UCS04.1.

INCREASED_SWITCH_ID

Parameter name

Increased Switch ID

Functional description

This new office parameter gives the user control of the increased switch ID functionality. When the parameter is set to Y, switch IDs in the range of {0 to 999} will be supported. In this case, feature control on a per trunk basis is available with the SWID option in table TRKGRP. When the office parameter is set to N, the ORIG_SWITCH_ID office parameter is limited to the range of {0-127}.

Provisioning rules

Not applicable

Range information

The range of values is Y or N (BOOL)

Minimum	Maximum	Default
		N

Parm Value

Set when feature not activated: N

Activation

Immediate

Dependencies

For Programmable Service Node (PSN) capable switching systems, the INCREASED_SWITCH_ID parameter cannot be set to Y unless the primary arbitrator SCU is capable of processing SPI version 4 or higher messages. When the arbitrating SCU cannot process SPI v4 protocol messages and attempts to set the INCREASED_SWITCH_ID parameter to Y, the following error message is issued:

"Error: SPI v4 not supported by SCU. INCREASED_SWITCH_ID cannot be set to Y."

If the ORIG_SWITCH_ID office parameter has a value greater than 128, this office parameter cannot be set to N. The following error message is issued

INCREASED_SWITCH_ID (end)

when the INCREASED_SWITCH_ID is set to N and the ORIG_SWITCH_ID
is greater than 127:

"Error: INCREASED_SWITCH_ID cannot be set to N because the
ORIG_SWITCH_ID is greater than 127"

Consequences

Since a call can be routed across the network with switches that support
different Switch ID ranges, correct provisioning and careful planning across
the entire network is required in order to ensure the integrity of the network. It
is recommended that the SWID TRKGRP option is datafilled correctly for all
trunks before setting the INCREASED_SWITCH_ID office parameter to Y.

Verification

Not Applicable

Memory requirements

No memory impact

Dump and restore rules

Not applicable

Parameter history
UCS09

This parameter was introduced (AX0960).

INCR_CDR_INTERVAL

Parameter name

Incremental (INCR) Call Detail Record (CDR) Interval

Functional description

INCR_CDR_INTERVAL defines the length of a long call for which incremental CDRs are generated.

Provisioning rules

Not applicable

Range information

The range of values is 1 to 72 hours or 0 for disabled.

Minimum	Maximum	Default
1	72	0

Activation

Immediate

Dependencies

Not applicable

Consequences

If INCR_CDR_INTERVAL equals a value from 1 to 31 hours, incremental CDRs are generated for long calls as specified, assuming that the audit has run.

Verification

To verify INCR_CDR_INTERVAL, do one of the following:

- If INCR_CDR_INTERVAL equals 0, confirm that the incremental CDR function is disabled.

- If INCR_CDR_INTERVAL equals a value between 1 and 31, confirm that incremental CDR logs are generated for calls longer than the duration specified.

Memory requirements

This parameter requires one word of memory.

INCR_CDR_INTERVAL (end)

Dump and restore rules

Not applicable

Parameter history

UCS05

This parameter was introduced in UCS05.

INHIBIT_AUTO_CONGESTION_CNTL

Parameter name

Inhibit Auto Congestion Control

Functional description

This parameter blocks the sending of the ISDN User Part Release Message (ISUP REL message) Automatic Congestion Level (ACL) parameter to every office. A congested office uses this parameter.

Rules in provisioning

There are no rules in provisioning.

Range information

Minimum	Maximum	Default
		N

Activation

The change can operate when the system downloads the affected peripherals.

Dependencies

Does not apply

Consequences

Set this parameter to Y to block the sending of the ACL parameter and to turn the ACC feature off.

Verification

Does not apply

Memory requirements

This parameter requires a boolean memory location.

Dump and restore rules

Does not apply

Parameter history

This parameter was introduced in NA008.

INITIAL_TELNET_MODE

Parameter name

INITIAL_TELNET_MODE

Functional description

The new parameter INITIAL_TELNET_MODE will allow the DMS to determine your initial mode when starting a telnet session.

Provisioning rules

This parameter has two possible values, CHARMODE or LINEMODE. When set to LineMode, it sets INITIAL_TELNET_MODE to true and all telnet sessions begin in LINEMODE (as they currently do). When set to CHARMODE, it sets INITIAL_TELNET_MODE to false and all telnet sessions begin in character mode.

> *Note:* TELNET_SESSION_MODE must be set to CHARMODE before this parm can be set to CHARMODE.

Datafill sequence

The size of table OFCVAR remains unchanged.

Table sizing

Datafill sequence of this table is unchanged.

Dump and restore rules

No changes needed.

Parameter history
UCS08

A new parameter was added (BD48648).

INTEL_ANI_DELV

Parameter name

International Call Identification Automatic Number Identification (ANI) Delivery

Functional description

This parameter activates or deactivates international call identification ANI delivery. Activation enhances international CLID delivery by prefixing the CLID of inbound international calls with a digit stream (of length 1-3 and value 0-9, *, #) so that these calls can be routed to service desks by a CPE.

Provisioning rules

None

Range information

The range of values is Y or N. Y activates the feature; N deactivates the feature.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of the parameter or consult Nortel Customer Engineering.

<div align="right">

INT_WINK_DELAY_TIME

</div>

Parameter name

Initialize Wink Delay Time

Functional description

This parameter specifies the time, in 10-ms intervals, to delay sending second wink after receiving the first stage, for international calls only.

Delay timing does not begin until the UCS DMS-250 switch is prepared to collect two additional digit streams.

Provisioning rules

None

Range information

Minimum	Maximum	Default
1	255	70

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

INV_CLI_OA_RTE

Parameter name

Invoke Calling Line Identification (CLI) Operator Assisted (OA) RTE

Functional description

This parameter determines whether to route or treat a call when CLI screening fails for an operator call.

Provisioning rules

Not applicable

Range information

The values for this parameter are RTE or TRMT.

- RTE has subfields OFRx or INDEX.

    — OFRx can be any of the following tables: OFRT, OFR2, OFR3, OFR4.

    — INDEX is the index into the OFRX with values ranging from 0 to 1023.

- TRMT values are taken by the type EXTENDED_TREAMENT (for more information see table TMTCNTL in UCS DMS-250 Data schema Reference manual).

Minimum	Maximum	Default
		TRMT ADBF

Activation

Immediate

Dependencies

When the index datafilled into Office route table and RTE is chosen as the value of this parameter, the same value is in the corresponding Office Route table.

Consequences

Not applicable

Verification

Verify this parameter use one of the following methods:

- If this parameter is set as TRMT ADBF, the operator call is given ANI Database Failure (ADBF) treatment when CLI screening fails.

- If this parameter is set to RTE OFRx INDEX (where OFRx is one of the following tables: OFRT, OFR2, OFR3, OFR4, or INDEX is the key to be positioned in the corresponding table) the operator call is routed through the route datafilled in the office parameter if CLI screening fails.

Memory requirements

This parameter uses one word of memory.

Dump and restore rules

Not applicable

Parameter history

UCS07

This parameter was introduced in UCS07.

ISUP_ALT_STS

Parameter name

ISUP Alternative Serving Translation Scheme

Functional description

For APN ISUP signalled calls, this office parameter gives a new Serving Translation Scheme (STS) that overrides the STS derived from table TRKGRP. This functionality is controlled by the EDGE0005 SOC and is exclusive to AT&T. It is not available to general UCS users.

Provisioning rules

None

Range information

The range of values for this office parameter is dependant upon the STS values datafilled in table HNPACONT. The range information is as follows:

Minimum	Maximum	Default
	999	The first STS datafilled in table HNPACONT

Activation

Immediate

Requirements

Not applicable

Results

Not applicable

Testing

Not applicable

Memory requirements

This parameter requires 1 word of memory.

Dump and restore rules

Copy the existing value of this parameter.

Parameter history

This parameter was created in UCS15.

KT_SELECTION_OPTION

Parameter name

Killer Trunk Selection Option

Functional description

This parameter is required in switching units with the Killer Trunk Report Separation feature.

The primary purpose of the above feature is to transfer the results generated by the killer trunk (KT) feature to a device independent recording package (DIRP) file. KT results can be written to the file based on whether the trunk group is operating company or customer owned. A utility is provided to display the contents of a KT result file with the output being routed to an operating company device. This utility is available to operating company personnel only.

The existing KT feature provides peg and usage counts for a selected set of trunk groups. At scheduled intervals the KT process generates a report through the log system.

Customer ownership tables permit each trunk group to be classified as operating company or customer owned. Normally, the operating company trunk groups are printed on a log device. This parameter provides the capability for selecting which class of trunk groups to place on the DIRP file.

Each trunk group common language location identifier (CLLI) is classified as being either operating company or customer owned. Depending on the value of this parameter, the KT data associated with a CLLI is stored on the file. If the table DATAOWNR (used to determine who owns a trunk) is not present, it is assumed that all of the trunks are operating company owned.

The data stored by this feature is a variation of the data collected by the KT process. the holding time for a member is no longer recorded. The holding time can be calculated later using the other data that has been recorded. The only other difference is the recording of the state of the member. This provides the downstream processor with additional information about the member and, for example, allows detection of installation busy (INB) members so that they can be omitted from the report if their peg and usage counts are zero.

This feature has no impact on KT because it runs as a separate process that is only triggered by the existing KT feature.

KT_SELECTION_OPTION (end)

Provisioning rules

If no KT data is to be stored on file, set the value of this parameter to NO_DATA.

If both operating company and customer data is to be store on file, set the value of this parameter to ALL_DATA.

If only operating company data is to be store on file, set the value to TELCO_DATA.

If only customer data is to be stored on file, set value to CUSTOMER_DATA.

Range information

Minimum	Maximum	Default
		ALL_DATA

Activation

Immediate.

Dependencies

Not applicable.

Consequences

Not applicable.

Verification

Not applicable.

Memory requirements

This parameter has no memory impact.

Dump and restore rules

Copy the existing value of this parameter when doing a dump and restore.

Parameter history

BCS19 - This parameter was introduced.

LCARDALARM

Parameter name

L Card Alarm

Functional description

This parameter specifies minor, major, and critical alarm thresholds for circuit test or loop signaling failures at the line card L. When the number of L failures reaches one of the alarm thresholds, the system raises the correct alarm.

Use the ALMSTAT command at the line test position (LTP) of the MAP to change the value of this parameter.

Rules in provisioning

Use current office failure problems to determine the LCARDALARM alarm thresholds. Notification of these failures also determines the LCARDALARM thresholds.

The default values are 100 for the minor alarm threshold, 150 for the major alarm threshold, and 200 for the critical alarm threshold. The default values are the standard line failure threshold values.

Range information

Minimum	Maximum	Default
000	32767 32767 32767	100 150 200

Activation

Use the ALMSTAT command at the LTP MAP level to change this parameter. The use of the ALMSTAT command to change the parameter updates all current alarms with the new values. The new values allow the alarms to reflect the failures.

Dependencies

Does not apply

Consequences

When the parameter values are overprovisioned, alarms for loop signaling or circuit test failures at the line card do not activate quickly enough. When this event occurs, a trouble report can be received.

LCARDALARM (end)

When the parameter value is underprovisioned, the system can activate too many alarms. Loop signaling or circuit test failures at the line card cause the system to activate the alarms.

Verification

Run the LTPMAN CktTst command at the line card on a line for which data entry occurred without the installation of a card. When the number of failures reaches than one of the thresholds, the correct alarm activates.

Memory requirements

This parameter requires 1 word of memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

This parameter was introduced in BCS26.

LEC_CC_VALIDATION_FAILURE

Parameter name

Local Exchange Carrier (LEC) Calling Card Validation Failure

Functional description

This parameter specifes the action to take if an error condition exists when trying to validate a LEC calling card. Possible error conditions are

• return error

• reject error

• expiration of the validation timer specified by the office parameter LEC_CC_VALIDATION_TIMEOUT

Provisioning rules

None

Range information

The range of values is ROUTE_TO_OPERATOR or ASSUME_VALID. If this parameter is set to ROUTE_TO_OPERATOR, then the call is routed to the operator position specified by the office parameter LEC_CCNV_POSITION. If this parameter is set to ASSUME_VALID, the call is routed as if a valid reponse had been received from the LEC calling card validation center.

Minimum	Maximum	Default
		ROUTE_TO_OPERATOR

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

LEC_CC_VALIDATION_FAILURE (end)

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history

BCS30

This parameter was introduced in BCS30.

LEC_CC_VALIDATION_TIMEOUT

Parameter name

Local Exchange Carrier (LEC) Calling Card Validation Timeout

Functional description

This parameter specifies the number of seconds the UCS DMS-250 switch waits for a response from an LEC calling card validation center before declaring a timeout condition. The action taken when a timeout condition occurs depends on the value of the parameter LEC_CC_VALIDATION_FAILURE.

Provisioning rules

None

Range information

The range of values for this parameter is in seconds.

Minimum	Maximum	Default
1	10	5

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel.

LEC_CC_VALIDATION_TIMEOUT (end)

Parameter history
BCS30
This parameter was introduced in BCS30.

LIMIT_ACCT_CODES_PER_INDEX

Parameter name

Limit Account Codes Per Index

Functional description

This parameter provides the option to resize table ACSCRN2 by resetting the values of multiple account code size and structure variables when modified. This parameter cannot be modified if any tuple is found in table ACSCRN2. The value of N indicates that the maximum number of account codes per index in table ACSCRN2 is set to 65,536 account codes. When set to N, the block size allocations is 1,024 account codes. When this parameter is set to Y, the maximum number of account codes is reduced per index to 8,192 account codes, with a corresponding reduction in block size allocation to 128 account codes.

Provisioning rules

Not applicable

Range information

The range of values is Y or N. Y means true and N means false.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

The table ACSCRN2 size is dependent on the value of LIMIT_ACCT_CODES_PER_INDEX. This parameter affects the allocated block size, structure type of account code lists, and the maximum number of account codes per index for table ACSCRN2.

Consequences

Not applicable

Verification

Not applicable

LIMIT_ACCT_CODES_PER_INDEX (end)

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

Parameter history

UCS05

This parameter was introduced in UCS05.

LOG_ANI_DB_FAILURE

Parameter name

Log Automatic Number Identification (ANI) Database Failure

Functional description

This parameter specifies whether ANI database failure generates an OCC212 log. Because calls with invalid ANIs can be acceptable, OCC212 logs are generated rapidly, using disk space unnecessarily.

Provisioning rules

None

Range information

The range of values is Y or N. If the parameter is set to the default Y, the feature is not activated and OCC212 logs are generated.

Minimum	Maximum	Default
		Y

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Set the value of this parameter to Y. Generate an incoming call with an invalid ANI. Check that log OCC212 is generated. Set the value of this parameter to N. Make the same invalid ANI call. Check that log OCC212 is not generated.

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

LOG_CENTRAL_BUFFER_SIZE

Parameter name

Log Central Buffer Size

Functional description

All switching units require this parameter. The parameter specifies the size of the log system central buffer where all reports are stored. The system central buffer stores the logs until the system routes the logs to the correct device buffer(s). Log class determines the correct device buffer(s).

Rules in provisioning

The default value is normally adequate for the log system. When a large number of reports are lost, an increase in the default value can occur to compensate. A decrease in the default value can occur if there not enough store and a small number of reports are available.

The recommended value for this parameter is 2500. This value applies for a switching unit (international) with universal translations and the Selective Charge Record (SCR) or Attendant Pay Station (APS) feature.

Range information

Minimum	Maximum	Default
1000	32000	2000

Activation

The activation of this parameter occurs after a cold restart.

Dependencies

Does not apply

Consequences

Underprovisioning of this parameter results in lost reports. Overprovisioning results in memory that the system does not use.

Verification

Does not apply

LOG_CENTRAL_BUFFER_SIZE (end)

Memory requirements

This parameter value requires 1 word of memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

LOG_DEVICE_BUFFER_SIZE

Parameter name

Log Device Buffer Size

Functional description

All switching units require this parameter. This parameter specifies the size of the buffer for devices.

Each device has an allocated buffer. This buffer stores reports routed to the device.

Reports in a queue against the device stay in this buffer until the reports print.

Rules in Provisioning

You will find the default value as the recommended value. Increase the parameter value if the loss of a large number of reports occurs. Decrease the value if a crucial shortage of store is present and the number of reports is small.

The recommended value for this parameter is 1500. The value refers to a switching unit (international) with universal translations. The value also refers to the Selective Charge Record (SCR) or Attendant Pay Station (APS) feature.

Note: Perform one of the following for any device that uses the new buffer size value:

(1) stopdev, deldevice, and startdev

(2) stopdev, resetroute, and startdev

If table LOGDEV contains the definition for the device, delete and re-enter the device into table LOGDEV. Do not perform the deldevice or resetroute only.

If you perform a resetroute, loss of all temporary routing occurs. Temporary routing is not entered in table LOGDEV.

Range information

Minimum	Maximum	Default
500	32000	2000 (CM) 1000 (all other nodes)

LOG_DEVICE_BUFFER_SIZE (end)

Activation

Activation occurs on the next STARTDEV command.

Dependencies

Does not apply

Consequences

An underprovisioned parameter results in lost reports. An overprovisioned parameter results in memory that is not used.

Verification

Does not apply

Memory requirements

Each unit requires 1 word of memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

LOG_INVALID_AUTH

Parameter name

Log Invalid Authcode

Functional description

This parameter determines whether a log report should be generated whenever an INVALID AUTH code is encountered.

Provisioning rules

None

Range information

The range of values for this parameter is Y or N.

If the parameter is set to Y, a log report is generated with the following information: trouble code, authorization, and called number.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

LOG_OFFICE_ID

Parameter name

Log Office Identifier

Functional description

This parameter appears in all switching units and specifies the name for office identification in the log output header.

Rules in Provisioning

If the log output header requires an office identifier, enter the 1-to-12 character name for office identification.

If the log output header does not require an office identifier, leave the value of this parameter at the default of $.

Range information

Minimum	Maximum	Default
		$ (a nil vector)

Activation

Immediate

When the parameter changes, the following logs have the new office identifier.

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter requires 1 word of memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

LONG_DUR_CALL_AUDIT_TIME

Parameter name

Long Duration Call Audit Time

Functional description

This parameter specifies the time of day to invoke the Long Call CDR Audit. The long call CDR audit scans the calls in progress.

Provisioning rules

None

Range information

If this office parameter is set to 3, the long call audit process is activated at 3:00 a.m. to scan the calls in progress.

Minimum	Maximum	Default
0	23	0

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

LONG_DUR_CALL_AUDIT_TIME (end)

Parameter history

BCS31

This parameter was introduced in BCS31.

LONG_DUR_CALL_LOG_INTERVAL

Parameter name

Long Duration Call Log Interval

Functional description

This parameter defines the call length in hours used to generate a long duration call log.

Provisioning rules

None

Range information

If this office parameter is set to 0, long duration call logs do not generate.

If this parameter is set to any value 1 through 72, a long duration call log is generated when a call exceeds the number of hours set for this parameter. If this parameter is set to 4, a long duration call log generates anytime a call is active for 4 hours.

Minimum	Maximum	Default
0	72	0

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

LONG_DUR_CALL_LOG_INTERVAL (end)

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history

BCS31

This parameter was introduced in BCS31.

LSETALARM

Parameter name

L Set Alarm

Functional description

This parameter specifies minor, major and critical alarm thresholds. This parameter specifies these thresholds for circuit test or loop signaling failures at the terminal l (small l).

The number of l failures can be equal to or greater than one of the alarm thresholds. If this condition occurs, the system raises the appropriate alarm.

Use the ALMSTAT command at the line test position (LTP) level of the MAP terminal to change the parameter value. This command is the recommended method to change the value of this parameter.

Rules in provisioning

Set the LSETALARM alarm thresholds based on the current office failure problems and if you want notification for these failures.

The default values are 100 for the minor alarm threshold, 150 for the major alarm threshold, and 200 for the critical alarm threshold.

The default values are the standard line failure threshold values.

Range information

Minimum	Maximum	Default
0 0 0	32767 32767 32767	100 150 200

Activation

Use the ALMSTAT command at the LTP MAP level to change this parameter. When you use the ALMSTAT command, the system updates all current alarms to reflect the failures with the new values.

Dependencies

Does not apply

Consequences

An overprovisioned parameter causes the system to raise late alarms for loop signaling or circuit test failures at the terminal. A trouble report can be received because of the late alarms.

An underprovisioned parameter causes the system to raise too many alarms because of loop signaling or circuit test failures at the terminal.

Verification

Run the LTPMAN CKTTST command at the terminal on lines entered in a table. These lines do not have a set plugged in. When the number of failures equals one of the thresholds, the system will raise the appropriate alarm.

Memory requirements

This parameter requires 1 word of memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

This parameter was introduced in BCS26.

MCARDALARM

Parameter name

Missing Line Card Alarm

Functional description

This parameter is the missing line card diagnostic failure flag. The system maintains a counter and three threshold levels for the failure type. The three threshold types are minor, major, and critical.

An alarm condition occurs when a minimum of one of the failure counters exceeds one of the threshold levels.

To change the value of this parameter, use the ALMSTAT command at the LTP level of the MAP.

Rules in provisioning

Specify the line card diagnostic alarm thresholds.

For example, the default value of 100 150 200 represents the following thresholds:

- a minor alarm threshold of 100 failures

- a major alarm threshold of 150 failures

- a critical alarm threshold of 200 failures

Range information

Minimum	Maximum	Default
0 0 0	32767 32767 32767	100 150 200

Activation

Only use the ALMSTAT command at the LTP Map Level to change this parameter. When you use the ALMSTAT command, the system updates all current alarms to reflect the failures with the new values.

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter requires 1 word of memory.

Parameter history

This parameter was introduced in BCS19.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

MCCS_CALLING_CARD_TIMEOUT

Parameter name

Mechanized Calling Card Service (MCCS) Calling Card Timeout

Functional description

This parameter expresses the amount of time, in 1-second increments, the subscriber has to enter the first travel card digit after hearing the prompt tone. If this timeout occurs, calling card timeout (CCTO) treatment is applied by the switch.

Provisioning rules

None

Range information

The range of values for this parameter are in units of MCCS_DIGIT_TIMEOUT_RANGE.

Minimum	Maximum	Default
1	10	10

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

MCCS_CONFIRM_FIRST_TONE_DUR

Parameter name

Mechanized Calling Card Service (MCCS) Confirm First Tone Duration

Functional description

This parameter specifies the duration, in 10-ms increments, of the first part of the confirmation tone. (The confirmation tone is made up of a first and second part, and a pause that separates the two parts. This tone indicates to the subscriber that the travel card number was verified, and the call will be completed.)

Provisioning rules

None

Range information

Minimum	Maximum	Default
0	255	10

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

MCCS_CONFIRM_OFF_TONE_DUR

Parameter name

Mechanized Calling Card Service (MCCS) Confirm Off-Tone Duration

Functional description

This parameter specifies the duration of silence, in 10-ms increments, between the first and second confirmation tone. (The confirmation tone is made up of a first and second part, and a pause that separates the two parts. This tone indicates to the subscriber the travel card number was verified, and the call will be completed.)

Provisioning rules

None

Range information

Minimum	Maximum	Default
0	255	10

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

MCCS_CONFIRM_SECOND_TONE_DUR

Parameter name

Mechanized Calling Card Service (MCCS) Confirm Second Tone Duration

Functional description

This parameter specifies the duration, in 10-ms increments, of the second part of the confirmation tone.

Provisioning rules

None

Range information

Minimum	Maximum	Default
	255	10

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

MCCS_CONFIRM_TONE

Parameter name

Mechanized Calling Card Service (MCCS) Confirm Tone

Functional description

This parameter specifies the type of tone to be used as the MCCS confirmation tone. (This tone indicates to the subscriber the travel card number was verified, and the call will be completed.)

Provisioning rules

None

Range information

Minimum	Maximum	Default
n/a	n/a	DIALTONE

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of the parameter or consult Nortel Customer Engineering.

MCCS_POSITION

Parameter name

Mechanized Calling Card Service (MCCS) Position

Functional description

This parameter provides an index into table POSITION. This index is used only for tone-prompt calls that need operator assistance.

Provisioning rules

None

Range information

The range of values is a character string that must first be datafilled in table POSNAME. The default value is N (none).

Minimum	Maximum	Default
n/a	n/a	None

Activation

Immediate

Dependencies

Must match the data fill in the table position.

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

MCCS_PROMPT_TONE

Parameter name

Mechanized Calling Card Services Prompt Tone

Functional description

This parameter specifies the type of tone generated by a digital carrier module or digital trunk controller to be used as the mechanized calling card services (MCCS) prompt tone.

Provisioning rules

None

Range information

The available tones are: PCM_TONE, UNUSED_TONE1, UNUSED_TONE2, UNUSED_TONE3, AUDRING_TONE, LO, DIAL_TONE, HZ400_5DB, UNUSED_TONE8, HI, SF_FAINT_TONE, SF_LOUD_TONE, HZ2400_M9_TONE, HZ2600_M9_TONE, HZ2400_200_TONE, HZ2000_M12_TONE, SILENT_TONE, MF1_TONE, MF2_TONE, MF3_TONE, MF4TONE, MF5_TONE, MF6_TONE, MF7_TONE, MF8_TONE, MF9_TONE, MF10_TONE, MF11_TONE, MF12_TONE, MF_KP_TONE, MF_KP2_TONE, and MF_ST_TONE.

Minimum	Maximum	Default
n/a	n/a	DIAL_TONE

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

MCCS_PROMPT_TONE (end)

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history

CSP05

The default value was changed from *Dialtone* to *DIAL_TONE*. In addition, a listing of the available tones was added.

MCCS_PROMPT_TONE_DELAY

Parameter name

Mechanized Calling Card Service (MCCS) Prompt Tone Delay

Functional description

This parameter specifies the delay, in 10-ms increments, between the end of address digit collection and the prompt tone.

Provisioning rules

None

Range information

Minimum	Maximum	Default
0	255	2

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

MCCS_PROMPT_TONE_DUR

Parameter name

Mechanized Calling Card Service (MCCS) Prompt Tone Duration

Functional description

This parameter specifies the duration, in 10-ms increments, of the MCCS prompt tone generated by a digital carrier module (DCM) or digital trunk controller (DTC).

Provisioning rules

None

Range information

Minimum	Maximum	Default
0	255	100

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

MCCS_PRTNM

Parameter name

Mechanized Calling Card Service (MCCS) Pretranslator Name (PRTNM)

Functional description

This parameter determines the pretranslator name the switch will use when routing universal access calls.

This parameter is based on the pretranslator type that exists in the standard pretranslator control table (STDPRTCT).

Provisioning rules

None

Range information

The range of values for this parameter is in units of PRETRANSLATOR_NAME.

Minimum	Maximum	Default
n/a	n/a	NPRT

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

Each unit requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

MCCS_STS

Parameter name

Mechanized Calling Card Service (MCCS) Serving Translation Scheme (STS)

Functional description

This parameter specifies the STS the switch uses to route all MCCS calls when in service validation occurs.

Provisioning rules

None

Range information

The value is expressed in CUSTOMER_SERVICE_STS_RANGE units.

Minimum	Maximum	Default
0	999	The first STS datafilled in table HNPACONT.

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

MCCS_VERIFY_TYPE

Parameter name

Mechanized Calling Card Service (MCCS) Verify Type

Functional description

This parameter determines whether the switch validates the travel card number through an in-switch datatable)table TCNFAST) or through a remote database (such as a service control point).

Provisioning rules

To datafill the setting for remote validation, the SOCc option CRDS0002 must be set to ON.

Range information

The range of values are DCP and INSWITCH.

Datafill of MCCS_VERIFY_TYPE is restricted to "INSWITCH" while Option CRDS0002 is IDLE. If an attempt is made to change this parameter to DCP while Option CRDS0002 is IDLE, the following error message is produced:

```
"The office parm MCCS_VERIFY_TYPE cannot be set to DCP. SOC
OPTION CRDS0002 is not in the ON state."
```

Minimum	Maximum	Default
n/a	n/a	INSWITCH

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

MCCS_VERIFY_TYPE (end)

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter, or consult Nortel Customer Engineering.

Parameter history

UCS05

This parameter was changed to implement the Software Optionality Control for option CRDS0002.

BCS23

This parameter was introduced in BCS23.

MCTIMER

Parameter name

Malicious Call Timer

Functional description

The features MCH and CLF use this parameter when the system traces malicious calls. These features use this parameter to give a delay for the called subscriber to activate MCH or CLF. This delay allows the subscriber to activate MCH or CLF after the malicious caller goes on-hook.

Rules in provisioning

This parameter consists of two parts, MCTO and MCTT. Each part is a value from 30 to 120, in multiples of 10, and represents a time interval in seconds.

At the terminating exchange, the timer (MCTIMER MCTO) starts if a calling subscriber goes on-hook before a called subscriber (with CLF or MCH). When the called subscriber goes on-hook the timer terminates. If the timer expires the system holds the trunks involved in the call.

At the originating exchange, the timer (MCTIMER MCTT) starts if a calling subscriber goes on-hook before a called subscriber (with CLF or MCH). When the called subscriber goes on-hook, or the called subscriber activates CLF or MCH, the timer terminates. If the timer expires the call, the system takes the call down.

Range information

Minimum	Maximum	Default
30	120	90 90

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

MCTIMER (end)

Verification

Does not apply

Memory requirements

This parameter requires 2 words of memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

The minimum value of MCTIMER is changed from 60 to 30 in MMP13.

This parameter was introduced in BCS31.

MF_RCVR_QUEUE_TIMEOUT

Parameter name

Multifrequency Receiver Queue Timeout

Functional description

This parameter specifies in 1-second increments the wait time to queue for an idle MF receiver.

Provisioning rules

None

Range information

Minimum	Maximum	Default
1	30	30

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

MSETALARM

Parameter name

Missing Set Alarm

Functional description

Local, SL100, or Austrian local switching units require this parameter. This parameter specifies alarm thresholds. These thresholds are for the number of lines missing sets before the system raises a minor, major, or critical alarm.

An alarm condition occurs when one or more of the failure counters exceeds one of the threshold levels.

To change the value of this parameter use the ALMSTAT command at the LTP level of the MAP.

Rules in provisioning

Specify the alarm threshold. For example, the default value of 10 20 30 represents the following thresholds:

- a minor alarm threshold of 10 failures

- a major alarm threshold of 20 failures

- a critical alarm threshold of 30 failures

If this feature is not required, set the parameter values to 32001 32002 32002.

Range information

Minimum	Maximum	Default
0 0 0	32767 32767 32767	10 20 30

Activation

Use only the ALMSTAT command at the LTP MAP Level to change this parameter. When you use the ALMSTAT command to change this value, the system updates all current alarms. This update reflects the failures with the new values.

Dependencies

Does not apply

MSETALARM (end)

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter requires 1 word of memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

MSGPSOC_OM_CONTROL

Parameter name

MSGPSOC_OM_CONTROL

Functional description

MSGPSOC_OM_CONTROL enables or disables the MSGPSOC operational measurement.

To disable the OM, change the value to N(o). A message lets the crafts person know that the OM is disabled, and the system sends new static data messages to the XPMs to indicate that the OM is turned off. To re-enable the OM, change the value back to Y(es). A message lets the crafts person know that the OM is enabled, and the system sends new static data messages to the XPMs to indicate that the OM is turned on.

Provisioning rules

None

Range information

The range is Y(es) or N(o).The default is Y (OM enables).

Activation

Immediate

Requirements

None

Results

The system sends static messages to the XPMs reporting the enabled or disabled state of the OM.

Testing

With this parameter set to Y, generate sufficient messages from the LCM to the host XPM to exceed the 60% threshold. Use the OMSHOW command to view the data, or watch for a PM420 log that reports the overload.

With this parameter set to N, generate sufficient messages from the LCM to the host XPM to exceed the 60% threshold.

Memory requirements

None

MSGPSOC_OM_CONTROL (end)

Dump and restore rules

None

Parameter history

XPM14 introduced the office parameter, MSGPSOC_OM_CONTROL.

Parameter name

Metallic Test Unit Load Information

Functional description

This parameter stores the default metallic test unit (MTU) firmware filename.

The MTU is like the Line Test Unit (LTU) from the software point of view. One major difference is that the central control (CC) can download the firmware (8086 micro program) that controls the MTU. Load the physical MTU only because one physical MTU hardware performs the function of two logical MTUs.

Rules in provisioning

Specify the file name of the default MTU firmware.

Range information

Minimum	Maximum	Default
		NILFNAME

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter requires 1 word of memory.

MTULDINFO (end)

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

BCS21

This parameter was introduced in BC521.

Parameter name

N00 Automatic Code Gapping (ACG) Treatment

Functional description

When an N00 call is blocked because ACG is applied on the call, it is sent to the treatment specified in the parameter N00_ACG_TRMT.

Provisioning rules

None

Range information

Minimum	Maximum	Default
Any valid treatment	Any valid treatment	N00B

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history

BCS34

This parameter was introduced in BCS34.

N00_BCNAME1

Parameter name

N00 Bearer Capability Name 1 (BCNAME1)

Functional description

This parameter derives the bearer capability from the transaction capabilities applications part (TCAP) BCNAME values.

Provisioning rules

None

Range information

Minimum	Maximum	Default
		56KDATA

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history
BCS32

This parameter was introduced in BCS32.

N00_BCNAME2

Parameter name

N00 Bearer Capability Name 2 (BCNAME2)

Functional description

This parameter derives the bearer capability from the transaction capabilities applications part (TCAP) BCNAME values.

Provisioning rules

None

Range information

Minimum	Maximum	Default
		64KDATA

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history

BCS32

This parameter was introduced in BCS32.

N00_BCNAME3

Parameter name

N00 Bearer Capability Name 3 (BCNAME3)

Functional description

This parameter derives the bearer capability from the transaction capabilities applications part (TCAP) BCNAME values.

Provisioning rules

None

Range information

Minimum	Maximum	Default
		64KRES

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history

BCS32

This parameter was introduced in BCS32.

N00_BUSY_ROUTE_ADV

Parameter name

N00 Busy Route Advance

Functional description

N00_BUSY_ROUTE_ADV indicates if route advance occurs on select release causes that ISUP or PRI trunks send. When N00_BUSY_ROUTE_ADV is set to Y, the call is rerouted to the next alternate termination based on the indication of select release causes from the PRI or ISUP trunks.

Provisioning rules

Not applicable

Range information

The range of values is Y or N.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

N00_BUSY_ROUTE_ADV (end)

Consequences

Route advance is supported only for N00 TCAP calls for the following select release causes:

- Release with cause from ISUP

  — user_busy, 17

  — no_user_responding, 18

  — no_answer_from_user, 19

- Release with cause for ISDN

  — no_answer_from_user, 51

  — no_channel_or_circuit_available, 5

  — no_user_responding, 15

  — resource_unavailable, 7

  — switching_equipment_congestion, 6

  — user_busy, 2

Verification

To verify N00_BUSY_ROUTE_ADV, look for the following information:

- If N00_NO_ANSWER_TIMER equals N, the route advance does not occur for select release causes.

- If N00_NO_ANSWER_TIMER equals Y, the route advance occurs for select release causes.

Memory requirements

This paramter requires one word of memory.

Dump and restore rules

Not applicable

Parameter history

UCS05

This parameter was introduced in UCS05.

N00_DCP_RESPONSE_TIMEOUT

Parameter name

N00 Database Control Point (DCP) Response Timeout

Functional description

This parameter has two meanings.

First, this parameter specifies the interval within which call processing expects to receive a response message from the DCP. After requesting DCP translation, call processing awaits for an INVOKE, RETURN ERROR, or REJECT message response from the DCP. If call processing does not receive a response from the DCP within the time specified by this parameter, the N00 call is treated as in the case of the RETURN ERROR or REJECT message.

Second, this parameter is the value for the optional TIMEOUT parameter of the N00TEST command, if no value is entered by the user. In this case, the parameter indicates the amount of time the N00TEST command waits to receive a message from TCAP.

Provisioning rules

None

Range information

The range of this parameter is in seconds.

Minimum	Maximum	Default
1	5	2

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

N00_DCP_RESPONSE_TIMEOUT (end)

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

N00_NO_ANSWER_TIMER

Parameter name

Service Access Calls No Answer Timer

Functional description

N00_NO_ANSWER_TIMER gives the maximum amount of time that a
seized trunk can remain in an unanswered state. If the time expires, a route
advance occurs until the last route in the route list. On the laste route in the
route list, the N00_NO_ANSWER_TIMER does not start.

Provisioning rules

Not applicable

Range information

The range of values is 0 and 12 to 60 seconds.

Minimum	Maximum	Default
12	60	0

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

To verify N00_NO_ANSWER_TIMER, look for the following information:

- If N00_NO_ANSWER_TIMER equals 0, the route advance does not
  occur for unanswered N00 type calls.

- If N00_NO_ANSWER_TIMER equals an integer from 12-60, the route
  advance occurs for unanswered calls when the timer expires.

Memory requirements

This parameter requires one word of memory.

N00_NO_ANSWER_TIMER (end)

Dump and restore rules

Not applicable

Parameter history

UCS05

This parameter was introduced in UCS05.

NCTPRT_ACTIVE

Parameter name

NCTPRT Active

Functional description

This parameter allows calls to route through table NCTPRT. All calls, regardless of agency, except for the following are routed through table NCTPRT:

- calls directly routed out of the pretranslator

- 0+ calls

- calls that use direct ISA routing

Provisioning rules

None

Range information

The range of values is Y or N. If the value is Y, table NCTPRT performs translations on the called number, assigns a new call type to the call, and inserts the new call type into the CALLTYPE field of the call detail record (CDR).

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

NCTPRT_ACTIVE (end)

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history
BCS31

This parameter was introduced in BCS31.

Parameter name

Need Diagnostics Alarm

Functional description

This parameter is the need diagnostic (NDIAG) failure flag. The system maintains a counter and three threshold levels (minor, major, and critical) for this failure type. An alarm condition occurs when a minimum of one of the failure counters exceeds one of the threshold levels.

Use the ALMSTAT command at the LTP MAP level to change the value of this parameter.

Rules in provisioning

Specify the alarm thresholds for NDIAG failures. For example, the default value of 10 20 30 represents the following thresholds:

- a minor alarm threshold of 10 failures
- a major alarm threshold of 20 failures
- a critical alarm threshold of 30 failures

Range information

Minimum	Maximum	Default
0 0 0	32767 32767 32767	10 20 30

Activation

Use only the ALMSTAT command at the LTP MAP level to change this parameter value. When you use the ALMSTAT command to change the value, the system updates all current alarms to reflect the failures with the new values.

Dependencies

Does not apply

Consequences

Does not apply

NDIAGALARM (end)

Verification

Does not apply

Memory requirements

This parameter requires 1 word of memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter name

NEMAS Heartbeat

Functional description

This parameter defines the length of time between each HEARTBEAT log for NEMAS Spontaneous Reporting (SPR) sessions.

A HEARTBEAT is a special log that the system generates to indicate to NEMAS that the DMS switch continues to function.

Rules in provisioning

Specify the length of time, in 15-s intervals, between each HEARTBEAT log for NEMAS SPR sessions. For example, a value of four indicates a period of 60 s between HEARTBEAT logs.

If the value of this parameter is set to 0 (zero), the system does not generate HEARTBEAT logs.

Range information

Minimum	Maximum	Default
0	60	4

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

NEMHEARTBEAT (end)

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

NETFAB_DAILY_DURATION

Parameter name

Network Fabric Test Daily Duration

Functional description

This parameter specifies the daily duration of the network fabric (NetFab) test.

The NetFab test checks the accuracy of the network call paths. The complete test takes more than 10 h to run. The test runs four hours every night. This test is completed over a period of three days.

Before BCS34, the daily duration of this test was hardcoded at a value of 4 (hours). This parameter provides the flexibility to set the test duration between 1 h and 4 h. This flexibility allows time for other maintenance software to run during low traffic periods.

Rules in provisioning

The recommended value for this parameter is 4.

Range information

Minimum	Maximum	Default
1	4	4

Activation

Immediate

If a scheduled test is running when the daily duration changes, the current test runs to completion according to the original value.

Dependencies

This office parameter works in conjunction with office parameters NETFAB_SCHEDULE_ENABLED and NETFAB_SCHEDULE_TIME in table OFCVAR. The parameter NETFAB_SCHEDULE_ENABLED allows NetFab test to run. The parameter NETFAB_SCHEDULE_TIME is the daily test start time.

NETFAB_DAILY_DURATION (end)

Consequences

If you set this parameter to a value of less than 4, the number of days required to complete the test increases.

Verification

Use the STATUS command to verify a change of value in this parameter after you enter ICTS followed by NETFAB. The test duration displays the start and end times.

Memory requirements

This parameter value requires 1 word of memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

BCS34

This parameter was introduced in BCS34.

NETFAB_SCHEDULE_ENABLED

Parameter name

Network Fabric Schedule Enabled

Functional description

The scheduled testing of the DMS network fabric test requires this parameter. The enhanced network (ENET) and junctored network (JNET) share this parameter.

The network fabric test uses the integrity-check traffic simulator (ICTS) package to test the network. The ICTS establishes a series of connections through the network and performs integrity/parity checking. These connections are essentially pseudo calls. If the system detects an integrity fault on one of these connections, the system establishes supervision on the same network plane. Supervision that occurs on the same plane focuses the test on the problem. A normal call switches to the other plane. The network fabric test sets up groups of these connections in a controlled method to cover all the call paths in the network.

Rules in provisioning

The recommended value is the default of Y (yes).

To disable the network fabric testing, change the value of this parameter to N (no).

Range information

Minimum	Maximum	Default
		Y

Activation

Immediate

If a scheduled test runs when the value of this parameter changes from Y to N, the current test completes.

NETFAB_SCHEDULE_ENABLED (end)

Dependencies

To start the network fabric test at the time that
NETFAB_SCHEDULED_TIME in table OFCVAR specifies, leave the default
value Y.

Consequences

Does not apply

Verification

To verify the value of this parameter, use the commands ICTS, NETFAB and
STATUS at the NET level of the MAP. Use these commands to check that
scheduled testing is enabled.

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and
restore.

Parameter history
BCS25

This parameter was introduced in BCS25.

NETFAB_SCHEDULE_TIME

Parameter name

Network Fabric Test Schedule Time

Functional description

This parameter specifies the hour that the scheduled network fabric test starts if this test is enabled. The enhanced network (ENET) and junctored network (JNET) share this parameter.

Select the time at the start of 4 h of low traffic (the testing duration).

Rules in provisioning

If the required time for the network fabric test is 2 a.m., leave the value of the parameter at the default value 2.

To specify a different start time for the network fabric test, change the value of this parameter to the required hour.

Range information

Minimum	Maximum	Default
0 (midnight)	23	2

Activation

Immediate

If a scheduled test runs when the value of this parameter changes, the following occurs:

- the current scheduled test completes
- the next test uses the new scheduled time

Dependencies

Office parameter NETFAB_SCHEDULE_ENABLED in table OFCVAR determines if the network fabric test starts to run at the hour that this parameter specifies.

Consequences

Does not apply

NETFAB_SCHEDULE_TIME (end)

Verification

To verify the value of this parameter, use the NETFAB command STATUS at the MAP to see the scheduled start time.

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history
BCS25

This parameter was introduced in BCS25.

NETMINDER_MPC_AND_LINK

Parameter name

NetMinder MPC and Link

Functional description

This parameter stores the multiprotocol (MPC) number and the MPCLINK number. This parameter allows the user to change the MPC connection at any time.

Rules in provisioning

Specify the MPC number (0-255) and the MPCLINK number (0-3).

Range information

Name	Minimum	Maximum	Default
MPC	0	255	0
LINK	0	3	3

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Verify this parameter through table control.

Memory requirements

This parameter requires 1 word of memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

NETMINDER_MPC_AND_LINK (end)

Parameter history
NA007
This parameter was introduced in NA007.

<div align="right">

NETSEC_CDR_TMPLT

</div>

Parameter name

Network Security Call Detail Record (CDR) Template

Functional description

This office parameter specifies the CDR template ID to use when generating a CDR upon answer of the call. This parameter only affects originating trunk agencies with the NETSEC option datafilled in table TRKGRP.

Provisioning rules

This parameter has indirect dependencies. For more information about these dependencies and more information about SOC for FLEXCDR see the *UCS DMS-250 FlexDial Call Detail Record (CDR) Application Guide* .

NETWORK_SECURITY_GEN_CDR must be set to Y in order to generate a CDR instead of a NETS601 log.

Range information

This office parameter consists of two fields TMPLTIDX and USEEDIT. The range of values for TMPLTIDX field is a valid index as defined in table CDRTMPLT. The range of values for the USEEDIT field is Y or N.

Minimum	Maximum	Default
		UCS08
		N

Activation

Immediate

Dependencies

This office parameter can only be datafilled against a previously provisioned value of the CDRKEY field of table CDRTMLPT.

The CDR format used for the NETSEC generated answered CDR is specified by NETSEC_CDR_TMPLT. However, if the CTMPLT status shows an INTERNAL_TMPLT as "ACTIVE," then the CDR template set in NETSEC_CDR_TMPLT is ignored. Attempting to change the NETSEC_CDR_TMPLT format while the active template in the billing system is INTERNAL_TMPLT will generate the following message:

NETSEC_CDR_TMPLT (end)

```
WARNING:  The CDR template set by this office parameter
will NOT be used because active CDR selection is set to
INTERNAL_TMPLT. Use CTMPLT to display the status.
```

Consequences

Not applicable

Verification

To verify this parameter, change the value of NETSEC_CDR_TMPLT and check the CDR format. Set NETWORK_SECURITY_GEN_CDR to Y to generate CDR. Datafill NETSEC option on orginating TRKGRP.

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

Parameter history

UCS08

This parameter was updated (AX0204) to reflect new default value for the TMPLTIDX field.

UCS06

This parameter was introduced in UCS06.

NETWORK_SECURITY_GEN_CDR

Parameter name

Network Security Generated Call Detail Record (CDR)

Functional description

This parameter determines whether a log or a CDR is generated when an answer is detected. When this office parameter is set to N, a log is generated. When this office parameter is set to Y, a CDR is generated. The following originating agencies can generate a log or CDR: primary rate interface (PRI), direct access line (DAL), FGD, AXXESS

Provisioning rules

Template specified by NETSEC_CDR_TMPLT is used to generate the CDR when this parameter is set to Y. For more information, see the *UCS DMS-250 FlexDial Call Detail Record (CDR) Application Guide* .

Range information

The range of values for this parameter is N and Y. When this office parameter is set to N, a log is generated. When this office parameter is set to Y, a CDR is generated.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

To verify this parameter, change the value of NETWORK_SECURITY_GEN_CDR and check if a NETS601 log or a CDR is generated.

Datafill NETSEC option in the table TRKGRP for originating PRI, DAL, or FGD. Datafill table WZONE with NPA of called number.

NETWORK_SECURITY_GEN_CDR (end)

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

Parameter history

UCS06

This parameter was introduced in UCS06.

NEW_OE_LOG_FORMAT

Parameter name

NEW_OE_LOG_FORMAT

Functional description

This office parameter allows you to specify the log format of the originating equipment (OE) DN. You can display the OE DN as seven or ten digits. The 10-digit DN option prevents ambigious 7-digit DNs if duplicate NXX codes exist on the switch.

Provisioning rules

To select the 7-digit DN format, set the NEW_OE_LOG_FORMAT parameter to N. To select the 10-digit DN format, set parameter NEW_OE_LOG_FORMAT to Y. The following examples show the MAP displays for the possible input combinations.

Example 1. 7-digit format active, enter N for parameter NEW_OE_LOG_FORMAT.

```
>N
ALREADY IN THE OLD OE LOG FORMAT, NO ACTION TAKEN.

>
```

Example 2. 7-digit format active, enter Y for parameter NEW_OE_LOG_FORMAT.

```
>Y
WARNING: BY MAKING THIS CHANGE, THE OE FORMAT IN LOGS
ARE CHANGED FROM THE FOLLOWING EXAMPLE.
    LEN HOST 02 1 08 10 DN 6211027 KEY 1
TO:
    HOST 02 1 08 10 DN  9056211027 KEY 1
DO YOU REALLY WANT TO CONTINUE?
PLEASE CONFIRM ("Y" OR "N"):
>
```

Enter Y to implement the change.

Enter N to cancel the change, the system displays the following message.

NEW_OE_LOG_FORMAT (continued)

```
>N
COMMAND HAS BEEN CANCELED!!

>
```

**Example 3. 10-digit format active, enter Y for parameter
NEW_OE_LOG_FORMAT.**

```
>Y
ALREADY IN THE NEW OE LOG FORMAT, NO ACTION TAKEN.

>
```

**Example 4. 10-digit format active, enter N for parameter
NEW_OE_LOG_FORMAT.**

```
>N
WARNING: IF NPE00001 PACKAGE, NORTH AMERICAN NUMBERING
PLAN EVOLUTION1, IS USED, THEN THIS DISPLAY CHANGE IS
NOT RECOMMENDED. THE 7-DIGIT DN DISPLAYED IN LOGS COULD
BE AMBIGUOUS. BY MAKING THIS CHANGE, THE OE FORMAT IN
LOGS ARE CHANGED FROM THE FOLLOWING EXAMPLE:
    HOST 02 1 08 10 DN  9056211027 KEY 1
TO:
    LEN HOST 02 1 08 10 DN 6211027 KEY 1
DO YOU REALLY WANT TO CONTINUE?
PLEASE CONFIRM ("Y" OR "N')
>
```

Enter Y to implement the change.

Enter N to cancel the change, the system displays the following message.

```
>N
COMMAND HAS BEEN CANCELED!!

>
```

NEW_OE_LOG_FORMAT (end)

Range information

Minimum	Maximum	Default
		Y

Activation

Activation is immediate.

Dependencies

There are no dependencies.

Consequences

Not applicable

Verification

Print a LINE log, check that the OE DN is in the correct format.

Memory requirements

1 word

Dump and restore rules

Not applicable

Parameter history

NA10

This parameter was introduced in NA10

NODEREXCONTROL

Parameter name

Node Routine Exercise Test Control

Functional description

All switching units require this parameter. This parameter allows the operating company to control the routine exercise (REx) test scheduling mechanism. The following (critical) REx tests are not controlled:

- SuperNode computing module (CM)

- SuperNode message switch (MS)

- SuperNode enhanced network (ENET)

For SuperNode, the critical REx tests always run before the XPM REx tests. For NT40, office parameters CC_REX_SCHEDULED_HR and CMC_REX_SCHEDULED_HR in table OFCENG control REx test scheduling. This is scheduling on the central control (CC) and central message controller (CMC) separately.

You also can perform REx tests manually. Office parameter NODEREXCONTROL does not affect manual REx tests.

LCM and LCMCOV REx tests

In NA004 and up, the LCM REX Controller Enhancement feature eliminates the compatibility problems between the XPM REx test and line concentrating module (LCM) REx tests. This feature migrates the LCM REx test from the LCM node audit process to the system REX (SREX) controller. Another name for the SREX controller is the REX scheduler. The LCM continuity and voltage (COV) tests performed on the power converter and ringing generator packs are removed from the LCM REx test. The LCM COV test is a separate test, the LCMCOV REx test.

Before, the LCM REX Controller Enhancement feature:

- the node audit process coordinated LCM REx tests

- office parameter LCDREX_CONTROL in table OFCVAR specified REx test start and stop times

Now, with the LCM REX Controller Enhancement feature:

- the SREX controller coordinates LCM REx testing

- the SREX office parameter uses NODEREXCONTROL instead of office parameter LCDREX_CONTROL

NODEREXCONTROL (continued)

Note: For more information on the LCM REX Controller Enhancement feature, refer to "LCM REX Controller Enhancement" in the BAS translations section of this document.

REx test sequence

Automatic REx tests occur every 24 hours during the time interval specified by fields REXSTART and REXSTOP. The name of this interval is the *REX test window*.

At the start time, REx test routines initiate automatically in the following sequence:

1. MS REx test (approximately 15 min for each plane for a total of 30 min)

2. CM REx test (approximately 15 min for each plane for a total of 30 min)

3. ENET REx test:

    • 1 shelf ENET - 5 min

    • 2 shelf ENET - 12 min

    • 4 shelf ENET - 26 min

4. LIM REx test (approximately 15 min for each plane for a total of 30 min if site has LIMs)

    Note: The tests of LIMs occur in sequence. The LIM REx test can run in parallel with the CM REx or ENET REx tests.

After these REx tests, during the time left in the REx test window, tests of the XPMs in the office occur in sequence. Tests of both units of an XPM occur before the tests of the next XPM. Each XPM REx test takes approximately 10 min to complete.

If all XPMs are not tested before the time in the REx test window expires, the REx tests of the following day run. These tests start with front-end REx tests. These tests continue with the test of the next XPM not tested during the REx tests of the previous day. When the last XPM test is complete, the XPM REx test routine cycles back to the top of the XPM list. The test continues within the allocated window.

REx test activation

Office parameter NODEREXCONTROL contains three fields: REXON, REXSTART, and REXSTOP.

• Field REXON specifies if the REx test scheduling mechanism activates or deactivates for REx tests that are not critical. If you set field REXON to N (no), the REx test scheduling mechanism deactivates for XPMs. The REx

NODEREXCONTROL (continued)

test scheduling mechanism continues for front-end testing (critical REx tests). If field REXON is at default value Y (yes), the XPM REx test scheduling mechanism activates for all REx testing. Even if you set field Rexon to N, the front-end (critical) REx tests will run.

- Field REXSTART defines the time for the start of the REx test mechanism in hours (0 to 23) and minutes (0 to 59). The default value is 1 30 (1:30 a.m.).

- Field REXSTOP defines the time that the REx test mechanism stops in hours (0 to 23) and minutes (0 to 59). The default value is 3 30 (3:30 a.m.).

The REX scheduler activates in less than 5 s after you set field REXON to Y. The current clock time must be between the start and stop times specified.

A change from a REXON value of Y to N takes place immediately and does not require restart activation. If you set REXON to N, any REx test that is not critical already in progress runs to completion. The next REx test that is not critical does not start. The test will not start, even if time remains in the REx test window. Automated REx tests that are not critical will not activate until you set field REXON back to Y.

The scheduler selects XPMs for REx tests between the specified start and stop times. The last XPM REx test can start exactly at the end of the REx test window and run to completion. The REx test can run for several minutes after the time entered in field REXSTOP.

The automatic REx test that this parameter provides runs daily. The REx test start and stop times can change on a day when a test already ran. If this condition occurs, the time change will take effect the following day. If the XPMs require a second REx test, you can perform a manual REx test. If you perform a manual REx test, a delay occurs before the next automatic REx test. For example, the next automatic REx test occurs at 2:00 a.m. on Thursday if conditions occur as follows:

- the daily automatic REx test performs at 2:00 a.m. on a Tuesday

- you perform a manual REx test at 7:00 a.m. on the same Tuesday

To exclude specified XPMs from the REx test schedule under special conditions, enter datafill in table REXSCHED. Introduce these XPMS back into the REx test schedule as soon as possible.

Logs

If you set field REXON to N, the system generates log IOAU112 daily at the start time the field REXSTART specifies. If field REXSTART, field

NODEREXCONTROL (continued)

REXSTOP, or both fields change, the system generates a IOAU112 log that indicates the following:

You will find REX Scheduler control parameters changed.

REx test scheduling

The SREX controller schedules REx tests in the office according to the value of office parameter NODEREXCONTROL in table OFCVAR. This parameter contains the start and stop times for the REx test window. This parameter also can disable all REx tests that are not critical.

At the start of the test window, the SREX controller generates an internal list of objects on which the SREX controller will perform REx tests. This list consists of objects on which the SREX controller enabled both the REx test and the class. The SREX sorts this list so that all objects that require critical tests are at the top of the list. Objects that have not had tests for longer intervals are higher on the list. The SREX controller can generate a different list every day. The CM, MS, and ENET tests are the only critical tests. These tests always appear at the top of the list. These tests can appear in an order different than listed here.

The SREX controller chooses one object at a time from the top of the list and initiates REx tests on that object. The SREX controller continues to start REx tests on objects on the list. The SREX controller continues as long as the tests do not conflict with the tests that are already in progress. The process continues until the process reaches the maximum number of tests in parallel. The current maximum setting is 50 tests. The SREX controller also introduces a 30-s delay between the beginning of two consecutive tests.

Tests of all of the peripherals can take several days. The amount of time these tests require depend on the time for REx tests and the number and variety of XPMs. Run the REx tests on each peripheral a minimum of one time a week for reasons of integrity and reliability. Activate REx tests, field REXON set to Y, in all offices.

Schedule automated REx tests for periods of low switch traffic. Stagger automated REx tests for signal transfer points (STP) and signal control points (SCP) in the network, so that two mate offices do not run REx tests at the same time.

Rules in provisioning

The following table lists approximate REx test times for different XPM types. Use these times, to estimate the number of XPMs that the SREX will test in

NODEREXCONTROL (continued)

the REX scheduler times. With this information you can calculate the time to test all the XPMs in the switching unit.

The test time in the table for a node type provides an indication of total time for nodes of this type. Adjust the size of the REx test window to achieve the required rate.

XPM test type	Approximate time required for REx test (minutes)
Line group controller (LGC)	10
Line trunk controller (LTC)	10
Digital trunk controller (DTC)	10
International line group controller (ILGC)	12
International line trunk controller (ILTC)	12
International digital trunk controller (IDTC)	12
Austrian digital trunk controller (ADTC)	15
Link interface module (LIM)	30
Offshore digital trunk controller (ODTC)	15
Subscriber carrier module-100 rural (SMR)	15
Subscriber carrier module-100S (SMS)	15
Subscriber carrier module-100 urban (SMU)	15
Message switch and buffer 6 (MSB6)	12
Message switch and buffer 7 (MSB7)	10
Remote cluster controller (RCC)	12
Line concentrating module (LCM)	8
Line concentrating module continuity and voltage test (LCMCOV)	2

Example

Assume the times for each frame listed in the table. A switching unit has 10 LTCs, 20 LGCs, 20 DTCs, and 4 RCCs. The total time to perform REx testing on these units is as follows:

$$(10 \times 10) + (20 \times 10) + (20 \times 10) + (4 \times 12) = 548 \text{ min} = 9 \text{ h } 8 \text{ min.}$$

The following table shows the values for fields REXSTART and REXSTOP to achieve coverage in 4, 5, and 55 days.

REx test coverage rates

REXSTART (hours/minutes)	REXSTOP (hours/minutes)	Window (hours/minutes)	Days to complete coverage
1 30	4 00	2 30	4
1 30	3 30	2 00	5
1 30	1 40	0 10	55

Range information

Minimum	Maximum	Default
		Y 1 30 3 30

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

NODEREXCONTROL (end)

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

NA004

The following changes occurred in NA004:

- In agreement with feature AF5898, LCM REX Controller Enhancement, this release removed reference to office parameter LCDREX_CONTROL used for LCM REx tests. This reference occurred in the "Functional description" section.

- Added "LCM and LCMCOV REx tests" subsection under "Functional description."

- Added REx test schedule information under "REx test scheduling."

- Added information on LCM and LCMCOV REx test times to "XPM REx test times" table.

BCS36

The delay of an automatic REx test that follows a manual REx test described in the "REx test activation" section.

BCS22

This parameter was introduced in BCS22.

Parameter name

NPAC204 Log Throttle

Functional description

This parameter limits the generation of the NPAC204 log. This log indicates that a multilink reset starts. The system generates the NPAC204 log the first time that a multilink group goes into service. After this event, the system generates the log each time a reset begins after successful transmission of multilink frames.

The system uses this parameter when the reset procedure is not successful. The system generates a log after a number of attempted resets. The value of this parameter specifies the number of reset attempts. When the multilink group resets correctly, the system generates the log at reset time.

The throttle is not applied to the "Far End MLG reset initiated" version of the NPAC204 log.

Rules in provisioning

Specify the number of attempted resets that were not successful that occur before the system generates a log.

Range information

Minimum	Maximum	Default
0	1024	10

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

NPAC204_THROTTLE (end)

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

NUM_REV_EXT_BLOCK

Parameter name

Number of Reverse Charging Extension Blocks

Functional description

This office parameter indicates the maximum number of extension blocks that can be allocated simultaneously for REV service. The extension blocks are used to store data related to REV service.

The extension block is held from the time REV service is invoked, until the call is taken down.

Provisioning rules

The default value of this office parameter indicates the maximum number of subscribers in the exchange that can activate REV service simultaneously.

Range information

The range information is as follows:

Minimum	Maximum	Default
0	100	0

Activation

Immediate

Requirements

None

Results

If this parameter is overprovisioned, some data store allocated is not used. If this parameter is underprovisioned, some subscribers can not activate REV service when no extension blocks are available.

Testing

Not applicable.

Memory requirements

Not applicable.

Dump and restore rules

Not applicable.

Parameter history

This parameter was created in WT15.

OCCTS_DEFAULT_REG_LOG

Parameter name

OCCTS Default Register Log

Functional description

This parameter allows you to turn the Equal Access Traffic Separation Measurement System (EATSMS) information log on or off.

Rules in provisioning

This parameter has four fields. These field values control the four event types in EATSMS. From left to right the four fields represent peg, overflow, setup usage and connect usage. These values are in an EATS100 log report as TSPEG, TSOVFL, TSSETUP, and TSCONNECT.

If one or more of these fields is set to Y, that event type produces a log report.

Range information

Minimum	Maximum	Default
		N N N N

Activation

Immediate

Dependencies

Only turn on this report after the EATSMS data entry is complete.

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter requires 1 word of memory.

OCCTS_DEFAULT_REG_LOG (end)

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

This parameter was introduced in BCS16.

Parameter name

Office Serving Country Code

Functional description

This office parameter is provisioned with the country code that is associated with the country that resides the UCS DMS-250. This feature is only supported in WZ-1 countries; therefore the only supported country code for the office parameter OFC_SERVING_CC is 1. The supported UCS trunk agents are associated with the country code of the office parameter OFC_SERVING_CC.

Provisioning rules

Not applicable

Range information

Minimum	Maximum	Default
1	999	1

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Originate a Transit outbound international call from a UCP Intra agency with the IAM containing the calling party number. In the IAM sent out to the terminating Gateway agency, check if the Calling party number is prefixed with the country code provisioned in the office parameter.

Memory requirements

This office parameter requires 1 word of memory.

OFC_SERVING_CC (end)

Dump and restore rules

Not applicable

Parameter history

UCS08

This parameter was introduced (AX0499) to support the DMS UCS-250 Gateway functionality feature.

OFFHOOK_QUEUING_ENABLE

Parameter name

Off-Hook Queuing Enable

Functional description

This parameter specifies if off-hook queuing is enabled on the UCS DMS-250 switch.

Provisioning rules

None

Range information

The range of values for this parameter is Y or N.

Minimum	Maximum	Default
		Y

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of the parameter or consult Nortel Customer Engineering.

OHQ_LIMIT_ACTION

Parameter name

Off-Hook Queuing Limit Action

Functional description

This parameter specifies the action taken when off-hook queuing resources are not available and the call cannot queue.

Provisioning rules

None

Range information

The range of values for the parameter is A (advance) or R (reorder) in the unit OHQ_LIMIT_ACTION_RANGE. R indicates to treat the call with reorder and A indicates to route advance.

Minimum	Maximum	Default
		R

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or contact Nortel Customer Engineering.

<div align="right">

OHQ_TREATMENT

</div>

Parameter name

Off-Hook Queuing Treatment

Functional description

This parameter specifies the type of treatment used when a call is offered off-hook queuing.

Provisioning rules

None

Range information

The range of values for this parameter is S, H, or L in the unit OHQ_TREATMENT_RANGE. Specify S for silence, H for 1-second high tone, and L for 1-second low tone at first queue point.

Minimum	Maximum	Default
		H

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of the parameter or consult Nortel Customer Engineering.

OM_SOURCE_IDENTIFICATION

Parameter name

Operational Measurements Source Identification

Functional description

This parameter enables or disables the ability to display the source node on which Operational Measurements (OM) reports collected an OM tuple.

Rules in provisioning

In order to set OM_SOURCE_IDENTIFICATION to ON, the parameter OMDISTRIBUTION in table OFCOPT must be ON also.

Note: In the UK market, this parameter is always set to OFF. Do not enter datafill into parameter OMDISTRIBUTION.

Range information

The range of values for this parameter are ON or OFF. The parameter value is set to OFF when the feature is not active. If the OM system disables the source name reporting capability, the distributed OM system generates OM reports. The OM reports are like those reports in the original system.

Minimum	Maximum	Default
		Off

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

OM_SOURCE_IDENTIFICATION (end)

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore from software release BCS30 to BCS30 or higher.

Parameter history

UK002

This parameter is always set to OFF in the UK market.

BCS30

This parameter was introduced in BCS30.

OPERATOR_ON_PSIG

Parameter name

Operator On Permanent Signal

Functional description

This parameter is available only for the 0- and 0+ call enhancements feature. It affects calls to operator services originating on FGA, FGB, FGC, PTS FGD, CCS7 FGD, and DAL trunks.

This parameter allows a call that receives permanent signal PSIG treatment to route to an operator position.

The operator position may be indexed by table TRKGRP or table OPERRTE.

Note: Calls receiving PSIG treatment on FGD and DAL trunks continue to route to PSIG treatment regardless of the value of this parameter.

Provisioning rules

None

Range information

The range of values is Y or N. Y indicates no change in the current functionality of routing calls that receive PSIG treatment to the operator. N indicates calls that receive PSIG treatment will proceed with treatment routing.

Minimum	Maximum	Default
		Y

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

Parameter history

IEC02

This parameter was introduced in IEC02.

OPERCOS

Parameter name

Operator Class Of Service (COS)

Functional description

This parameter assigns a value to the operator's COS.

Datafill the value of this parameter in table COS to allow the operator's COS value to terminate to the terminator's COS value.

Note: This parameter is only for Enhanced Operator Position System (EOPS) customers.

Provisioning rules

None

Range information

The value is expressed in integer units.

Minimum	Maximum	Default
0	29	0

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

OPERCOS (end)

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history

BCS26

This parameter was introduced in BCS26.

ORIG_SWITCH_ID

Parameter name

Originating Switch Identification

Functional description

This parameter defines the three-digit terminating switch identification number.

Provisioning rules

None

Range information

The value is expressed in telephony binary code digits (TBCD).

Minimum	Maximum	Default
0	999	111

Activation

Immediate

Dependencies

The INCREASED_SWITCH_ID office parameter must be set to Y before the ORIG_SWITCH_ID parameter can be datafilled with a value between 128 and 999. The following error message will be issued if an attempt is made to set ORIG_SWITCH_ID to value greater than 127 if INCREASED_SWITCH_ID is set to N:

"Error: ORIG_SWITCH_ID cannot be greater than 127 because INCREASED_SWITCH_ID is set to N"

Consequences

Not applicable

Verification

Not applicable

Memory requirements

Not applicable

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer
Engineering.

OSR_FOR_IMT

Parameter name

Operator Service Record (OSR) For Intermachine Trunk (IMT)

Functional description

This parameter is visible only when Enhanced Operator Service is configured. It controls the presence or absence of operator service billing records for operator calls originating directly on IMTs with per-trunk signaling.

Provisioning rules

None

Range information

The range of values is Y or N.

Minimum	Maximum	Default
		Y

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

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OSR_FOR_ISUP

</div>

Parameter name

Operator Service Record (OSR) For Integrated Services Digital Network User Part (ISUP)

Functional description

This parameter determines whether an OSR call detail record (CDR) pair is generated for operation service calls generated over an ISUP intermachine trunk (IMT).

Note: This parameter is only for Enhanced Operator Position System (EOPS) customers.

Provisioning rules

None

Range information

The range of values is Y or N. Y generates an OSR/CDR pair; N does not generate an OSR/CDR pair.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

OSR_FOR_ISUP (end)

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history

BCS29

This parameter was introduced in BCS29.

OVLP_ID_TIME

Parameter name

OVLP Identification Time

Functional description

This parameter specifies the time, in 30-second intervals, between the identification sequence and the address sequence.

Provisioning rules

None

Range information

The range of values for this parameter is in the unit OVLP_ID_RANGE

Minimum	Maximum	Default
		3

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

PACKET_QOS_OM_THRESHOLDS

Parameter name

Packet Quality of Service Operational Measurement Thresholds

Functional description

This parameter defines the threshold values used for pegging QOS statistics on GWC based trunk groups. In addition, the parameter allows the QOS reporting threshold feature to be enabled or disabled.

Provisioning rules

To activate the QOS OM pegging feature for GWC based trunk groups, set the enabled value to Y and specify the thresholds for jitter, packet loss, and delay.

Range information

Thresholds for jitter and delay are set in millisecond (ms) units.

The packet loss threshold can be set in the range 0% to 9.999999%. This is achieved by setting a value for LOSS (whole) in the range 0 to 9, and a value for LOSS (fraction) in the range 0 to 999999.

	Minimum	Maximum	Default
ENABLED	Y/N	Y/N	N
JITTER	0	100	100
DELAY	0	500	500
LOSS (whole)	0	9	9
LOSS (fraction)	0	999999	999999

Activation

Immediate

Requirements

GWC09 or later GWC load.

Results

If the thresholds are set to the minimum values, the TRKQOSOM group may experience a high volume of OM pegs during the 15 minute reporting interval. If the network QOS is such that the thresholds are exceeded on numerous calls, this will result in additional messaging from GWC to CM which could impact overall call capacity.

PACKET_QOS_OM_THRESHOLDS (end)

Testing

To verify parameter is set and working, access the GWC
PMDEBUG>OQS>THR level on a GWC hosting TDM trunks. Execute the
query command. Verify that the data presented agrees with the OFCVAR
setting.

Memory requirements

Not applicable

Dump and restore rules

Not applicable

Parameter history
SN06 (DMS)

Feature A89007725 introduced office parameter
PACKET_QOS_OM_THRESHOLDS.

PASS_UIFN_CALL

Parameter name

Pass Universal Freephone Number Call

Functional description

PASS_UIFN_CALL controls routing of a Universal International Freephone (UIF) call if the Universal International Freephone Number (UIFN) for that call is not entered in table UIFNDBS. If the UIFN is not entered in table UIFNDBS, then the call is passed to the next switch, using the trunk Common Language Location Identifier (CLLI) specified by PASS_UIFN_CALL. A vacant treatment (VACT) is issued if the PASS_UIFN_CALL parameter is set to VACT.

Provisioning rules

Not applicable

Value Information

The range of values for this parameter is {S <CLLI name>, VACT}.

Minimum	Maximum	Default
		VACT

Activation

Immediate.

Dependencies

Not applicable

Consequences

None. This office parameter can neither be overprovisioned nor underprovisioned.

Verification

Follow these steps to verify this parameter:

1. Set the parameter PASS_UIFN_CALL to VACT.

2. Initiate a UIF call whose UIFN is not entered in table UIFNDBS.

3. Verify that the call terminated to treatment VACT.

Memory requirements

This parameter requires two words of memory.

Dump and restore rules

Not applicable

Parameter history
UCS08

This parameter was introduced (AX0221) to support the Universal
International Freephone Number function.

PERFORMANCE

Parameter name

Performance

Functional description

This parameter appears in a local switching unit. This parameter specifies the minor, major and critical alarm thresholds for line performance at the line card P. If the number of P failures equals or is greater than an alarm threshold, the related alarm is raised.

Rules in provisioning

Base the alarm thresholds on the following:

- the current switching unit failure problems
- the desire or lack of desire for notification for these failures

The default values are as follows:

- 100 for the minor alarm threshold
- 150 for the major alarm threshold
- 200 for the critical alarm threshold

These values are standard line failure threshold values.

Range information

Minimum	Maximum	Default
0 0 0	32767 32767 32767	100 150 200

Activation

Use only the ALMSTAT command at the LTP MAP level to change this parameter. When the ALMSTAT command changes the value, the system updates all current alarms to reflect the failures with the new values.

Dependencies

Does not apply

Consequences

When the values of this parameter are too high, alarms are not raised at the correct time for service degradation. For example, if the minor threshold is set to 80% of the switching unit lines, the alarm is not raised. The alarm is not raised even if 75% of the lines in the switching unit experience degraded service.

When the values of this parameter are too low, the alarm is raised before warranted.

Verification

Insert pulses on the line card to degrade the performance of the line card. This action causes a failure to occur. Set the minor threshold to 1, then the alarm is raised. Increase the minor alarm threshold to 10 and the alarm disappears. Decrease the minor alarm threshold to 1 again and the alarm is raised again. Use major and critical alarm values to repeat this sequence.

Memory requirements

These parameter values require 1 word of memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

This parameter was introduced in BCS28.

PER_OPC_LOGDEV_BUFFER_SIZE

Parameter name

Per Operational Controller Logical Device Buffer Size

Functional description

A SuperNode switching unit requires this parameter. This parameter
determines the size of the buffer, in bytes, assigned to the operational
controller (OC) logical device opc_logdev02.

Rules in provisioning

Specify the size of the buffer, in bytes, assigned to the OC logical device
opc_logdev02.

Range information

Minimum	Maximum	Default
2000	22000	22000

Activation

Immediate

Dependencies

Does not apply

Consequences

A change to the value of this parameter causes the loss of the logs that the
buffers already stored.

Verification

Does not apply

Memory requirements

This parameter requires 2 bytes of memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and
restore.

PER_OPC_LOGDEV_BUFFER_SIZE (end)

Parameter history

BCS36

This parameter was introduced in BCS36.

PFGD_1PLUS_REORIG_DISALLOW

Parameter name

Pure FGD (PFGD) 1+ Calls Reorigination Disallow

Functional description

This parameter is used to determine if reorigination is allowed on Pure FGD 1+ calls.

Provisioning rules

Not applicable

Range information

The range of values is Y or N. If this parameter is set to N, then reorigination is allowed on PFGD 1+ calls. If set to Y, then additional checks are performed to determine if the proper circumstances exist to disallow reorigination on the call.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

None

Consequences

Not applicable

Verification

To verify this parameter, if PFGD_1PLUS_REORIG_DISALLOW equals N, then reorigination is allowed on the Pure FGD 1+ national or international calls. If PFGD_1PLUS_REORIG_DISALLOW equals Y, then additional checks are done on the trunk and call types to determine if reorigination should be blocked. For example, reorigination is to blocked for FGD Universal Access, Cut-thru, and MCCS calls.

Memory requirements

This parameter requires one word of memory.

PFGD_1PLUS_REORIG_DISALLOW (end)

Dump and restore rules

Not applicable

Parameter history

UCS05

This parameter was introduced in UCS05.

PFGD_CCNV_POSITION

Parameter name

Pure FGD Calling Card Number Validation Position

Functional description

This parameter specifies the dedicated OP250 trunk routing for local exchange carrier (LEC) calling card calls that have twice failed to enter the valid calling card number. This parameter determines the operator center to route to under the following conditions:

- The subscriber has failed twice to enter a valid calling card number. A failure can either be a partial dial condition or an invalid response from the validation center.

- An error condition has occurred while waiting for a response from the validation center and the value of the office parameter LEC_CC_VALIDATION_FAILURE is set to ROUTE_TO_OPERATOR. An error condition can be identified by an error message, a reject message, or no response from the validation center.

Provisioning rules

None

Range information

This parameter is set to NONE or a valid entry in table POSNAME. A valid entry for this parameter must first be datafilled in table POSNAME. If the value of this parameter is set to NONE, calls are routed to vacant code (VACT) treatment.

Minimum	Maximum	Default
		NONE

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

PFGD_CCNV_POSITION (end)

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history
BCS30

This parameter was introduced in BCS30.

PFGD_CC_POSITION

Parameter name

Pure Feature Group D (FGD) Calling Card Position

Functional description

This parameter dictates the corresponding tuple in table POSITION to be referred to for pure FGD (10333) 0+ call attempts in which the subscriber dials either a 0 or times out after the BONG tone.

Provisioning rules

None

Range information

This parameter is set to NONE or a valid entry in table POSNAME. A valid entry for this parameter must first be datafilled in table POSNAME. If the value of this parameter is NONE, calls are routed to vacant code (VACT) treatment.

Minimum	Maximum	Default
		NONE

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering

PFGD_CC_POSITION (end)

Parameter history
BCS30
This parameter was introduced in BCS30.

PFGD_MCCS_OPERATOR_POSITION

Parameter name

Pure FGD Mechanized Calling Card Service (MCCS) Operator Position

Functional description

This parameter routes calling card calls that have a ten-digit casual automatic number identification (ANI) and 01+ LEC calling card calls that do not have their address digits datafilled in the local exchange carrier (LEC) pretranslator.

Provisioning rules

None

Range information

This parameter is set to NONE or a valid entry in table POSNAME. A valid entry for this parameter must first be datafilled in table POSNAME. If the value of this parameter is NONE, calls are routed to vacant code (VACT) treatment.

Minimum	Maximum	Default
		NONE

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

PFGD_MCCS_OPERATOR_POSITION (end)

Parameter history

BCS30

This parameter was introduced in BCS30.

PFGD_MCCS_PRTNM

Parameter name

Pure Feature Group D (FGD) Mechanized Calling Card Service (MCCS) Pretranslator Name

Functional description

This parameter identifies the default pretranslator used for MCCS calls.

Provisioning rules

None

Range information

This parameter is set to NPRT or a valid entry in table STDPRTCT. A valid entry for this parameter must first be datafilled in table STDPRTCT. If the value of this parameter is set to NPRT, the address pretranslator specified in table TRKGRP is used.

Minimum	Maximum	Default
		NPRT

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history

BCS30

This parameter was introduced in BCS30.

PRE_ROUTE_ABANDON_TRK116_LOG

Parameter name

Pre-route Abandon TRK116 Log

Functional description

This parameter enables or disables the output of pre-route abandon TRK116 logs. These logs occur when a trunk is seized but the subscriber does not dial digits. Excessive logs can be the result of timing problems that occur on two different switches.

This parameter is for use with Traffic Operator Position System (TOPS) multifrequency (MF) trunks. This parameter suppresses TRK116 logs for some TOPS offices, when fields have values as follows:

- TRBCODE equals PRE_ROUTE_ABANDON
- CLDKP equals NIL_MF_KP
- CLDST equals NIL_MF_ST

Rules in provisioning

The office can set the parameter value to N (no) if an office experiences an excessive number of TRK116 logs. These logs contain the following:

- pre-route abandon reasons
- NIL_KP/NIL_ST

The parameter value is set to value Y (yes) when the feature is not active.

Range information

Minimum	Maximum	Default
		Y

Activation

Immediate

Dependencies

Does not apply

PRE_ROUTE_ABANDON_TRK116_LOG (end)

Consequences

A parameter setting of N can mask a real problem with trunks that are improperly seized. This condition can cause the office to overengineer trunk and receiver resources.

Verification

If this parameter is set to value N, TRK116 logs must not have either of the following:

- a TRKCODE of PRE_ROUTE_ABANDONED CLDKP and NIL_KP

- a CLDST of NIL_MF_ST

Memory requirements

Each unit requires 1 word of memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

BCS31

This parameter was introduced in BCS31.

PRI_ALLOW_PARTIAL_CLID

Parameter name

Primary Rate Interface (PRI) Allow Partial Calling Party Number (CLID)

Functional description

This parameter allows the partial Calling Party Number (CLID) to be sent in the setup message, with or without padding it with the default Calling Party Number (DEFCLID). This parameter only affects Primary Rate Interface (PRI) to PRI calls.

Provisioning rules

Not applicable

Range information

The range of values is Y or N.

Set this parameter to Y when partial CLID is not needed to be padded with the DEFCLID from table CALLATTR.

Set this parameter to N when partial CLID is needed to be padded with the DEFCLID from table CALLATTR.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

None

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

If patch TUE02 was active on the previous load, this parameter is set to Y.

Parameter history

UCS07

This parameter was introduced in UCS07.

PRI_TERM_OVERRIDE_PI

Parameter name

PRI Termination Override PI

Functional description

When a call originates from an SS7 trunk and terminates on a PRI trunk, and the call is billed to the call party (i.e. the called number is a toll free number), the CLID is not delivered to the PBX. This parameter signals the software to override normal presentation rules concerning PRI terminated calls. The charge number is passed as the calling number if the charge number and calling party number are different or if the calling party number is not presented.

Provisioning rules

None

Range information

The range of the PRI_TERM_OVERRIDE_PI parameter is shown in the table that follows.

Value range	Default
N or Y	N

Activation

Immediate

Requirements

None

Results

Not applicable

Testing

Not applicable.

Memory requirements

Not applicable

Dump and restore rules

Not applicable.

Parameter history

UCS16

The PRI_TERM_OVERRIDE_PI parameter is introduced..

PROP_ANS_BUSY

Parameter name

Propagate Answer Supervision Busy

Functional description

This parameter specifies whether hardware answer supervision is propagated to the originating switch (if a tandemed call) upon detection of a busy tone by the audio tone detector (ATD).

Provisioning rules

None

Range information

The range of values is Y or N. If set to Y, hardware answer supervision propagates to the originating switch when a busy tone has been detected by the ATD. Value Y is recommended if billing is being captured at the originating switch.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

<div align="right">**PROP_ANS_HI_AND_DRY**</div>

Parameter name

Propagate Answer Supervision High-And-Dry

Functional description

This parameter specifies whether hardware-answer supervision propagates to the originating switch (if a tandemed call) upon detection of a high-and-dry signal by the audio tone detector (ATD).

Provisioning rules

None

Range information

The range of values for this parameter is Y or N. If set to Y, hardware answer supervision propagates to the originating switch upon detection of a high-and-dry signal by the ATD.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

PROP_ANS_REORDER

Parameter name

Propagate Answer Supervision Reorder

Functional description

This parameter specifies whether hardware-answer supervision is propagated to the originating switch (if a tandemed call) upon detection of a reorder tone by the audio tone detector (ATD).

Provisioning rules

None

Range information

The range of values for this parameter is Y or N. If set to Y, hardware-answer supervision propagates to the originating switch upon detection of a reorder tone by the ATD.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

PROP_ANS_RING_NO_ANSWER

Parameter name

Propagate Answer Supervision Ring No Answer

Functional description

This parameter specifies whether (equal to Y) hardware answer supervision is propagated to the originating switch (if a tandemed call) upon detection of a ring-no answer by the Audio Tone Detector (ATD); otherwise, equal to N.

Provisioning rules

None

Range information

The range of values for this parameter is Y or N.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

PSN_AUDIT_DROP_AGENTS

Parameter name

Programmable Service Node Audit Drop Agents

Functional description

This parameter is used to specify whether an agent can be dropped by the agent audit.

Provisioning rules

Not applicable

Range information

The range of values is Y or N. Y allows the audit process to disconnect a port upon an audit failure. N prevents the audit process from disconnecting a port upon an audit failure.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

PSN_AUDIT_DROP_AGENTS (end)

Parameter history
UCS06

This parameter was introduced in UCS06.

PSN_AUDIT_INTERVAL_TIME

Parameter name

Programmable Service Node Audit Interval Time

Functional description

This parameter is used to set the amount of time the programmable service node (PSN) will delay between two consecutive agent audits.

Provisioning rules

This parameter enables the customer to vary the frequency at which the audit should be performed for trunks related to PSN calls. Keep the value low to perform more frequent audits.

Range information

The range is in five-second increments. A value of zero turns off this audit.

Minimum	Maximum	Default
0	30	0

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

PSN_AUDIT_INTERVAL_TIME (end)

Parameter history

UCS06

This parameter was introduced in UCS06.

PSN_AUDIT_MAX_RETRY

Parameter name

Programmable Service Node Audit Maximum Retry

Functional description

This parameter sets the maximum number of retries the audit performs before taking any action. This parameter is like an internal counter kept by the audit process. It represents the number of cycles that the audit performs before sending a query port to the service control unit (SCU).

Provisioning rules

This parameter enables the user to vary the frequency at which to perform the audit for trunks related to PSN calls. Keep the value low to perform more frequent audits.

Range information

The range is in one-second increments.

Minimum	Maximum	Default
0	5	0

Activation

Immediate

Dependencies

Not applicable

Consequences

If the value is lower than optimum, the frequency of audit messages to the SCU may increase.

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

PSN_AUDIT_MAX_RETRY (end)

Parameter history

UCS06

This parameter was introduced in UCS06.

PSN_CALLS_ALLOWED

Parameter name

Programmable Service Node (PSN) Calls Allowed

Functional description

This parameter controls access to the service control unit (SCU). It specifies whether or not SCU calls are allowed on the UCS DMS-250 switch. When the value is set to N, new calls are not processed for the SCU and are sent to the new PSNF treatment, effectively turning off PSN calls. If an attempt is made to set PSN_CALLS_ALLOWED to Y when the INCREASED_SWITCH_ID parameter is already set to Y, the parameter issues a warning.

Provisioning rules

Not applicable

Range information

The range of values is Y or N.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

The following warning message is issued when the operating personnel attempt to set PSN_CALLS_ALLOWED to Y when the INCREASED_SWITCH_ID parameter is already set to Y.

"Warning: INCREASED_SWITCH_ID is Y in table OFCENG. All SCU's need to be set on SPI version 4 or above."

Consequences

The operating personnel must verify that all SCUs are executing service programming interface (SPI) version 4 or higher before PSN functionality is fully enabled.

Verification

When the parameter is set to Y, new calls are allowed to enter the service mode, otherwise the call is routed to PSNF treatment.

PSN_CALLS_ALLOWED (end)

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

Parameter history

UCS09

This parameter has been updated to include a warning message (AX0960).

UCS06

This parameter was introduced in UCS06.

PSN_DROP_AGENTS_SCU_SHELF_RESET

Parameter name

Programmable Service Node Drop Agents Service Control Unit Shelf Reset

Functional description

This parameter specifies whether the programmable service node (PSN) drops PSN agents on shelf resets at the service control unit (SCU). Depending on the parameter value, the PSN may release all service agents related to that shelf. A nil port number is sent to eliminate the need to send multiple port numbers servicing the PSN of the affected service shelf.

Provisioning rules

Not applicable

Range information

The range of values is Y or N. Setting the parameter value to Y indicates that calls addressed with the same internet protocol (IP) are taken down. Setting its value to N indicates that calls stay up.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

A value of Y causes the PSN to release all service calls on the shelf level.

Verification

The SCU sends a Reset Switch primitive with the IP address of the affected service shelf with a nil port number.

Memory requirements

This parameter requires one word of memory.

PSN_DROP_AGENTS_SCU_SHELF_RESET (end)

Dump and restore rules

Not applicable

Parameter history
UCS06

This parameter was introduced in UCS06.

PSN_DROP_AGENTS_SCU_SRVC_RESET

Parameter name

Programmable Service Node Drop Agents Service Control Unit Service Reset

Functional description

This parameter specifies whether the programmable service node drops PSN agents on service resets at the service control unit (SCU).

Provisioning rules

Not applicable

Range information

The range of values is Y or N. Setting the parameter value to Y causes the PSN to release all service agents related to that particular port on the affected service shelf.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Set the parameter value to Y to allow the PSN to release all service agents related to that particular port on the affected service shelf.

Verification

The SCU sends the Reset Switch primitive with the port number and internet protocol address of the affected service shelf.

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

PSN_DROP_AGENTS_SCU_SRVC_RESET (end)

Parameter history
UCS06

This parameter was introduced in UCS06.

PSN_DROP_AGENTS_SCU_SYS_RESET

Parameter name

Programmable Service Node Drop Agents Service Control Unit System Reset.

Functional description

This parameter specifies whether or not to drop the active PSN agents on system resets at the service control unit (SCU). The parameter value controls whether or not the PSN releases all service calls.

Provisioning rules

Not applicable.

Range information

The range of values is Y or N. Y indicates all agents are dropped, and N indicates all agents are staying up.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Setting the parameter value to Y causes the PSN to release all service agents related to that system.

Verification

The SCU sends a Reset Switch primitive to the primitive server with a nil internet protocol address and a nil user datagram protocol port number.

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

PSN_DROP_AGENTS_SCU_SYS_RESET (end)

Parameter history

UCS06

This parameter was introduced in UCS06.

PSN_EVENT_TIMER

Parameter name

Programmable service node (PSN) Event Timer

Functional description

This parameter sets the maximum amount of time the UCS DMS-250 switch waits for a reply from the service control unit (SCU) after the PSN sends a new call event.

Provisioning rules

A lower value forces the PSN system to perform better.

Range information

The range of values for this parameter is in seconds.

Minimum	Maximum	Default
0	25	10

Activation

Immediate

The new value affects new call events that are not currently outstanding.

Dependencies

Not applicable

Consequences

If the value is set at a value lower than optimum, too many calls time out before receiving a message from the SCU. If the value is higher than optimum, calls must wait too long for a message.

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

PSN_EVENT_TIMER (end)

Parameter history
UCS06

This parameter was introduced in UCS06.

PSN_FLOW_CTRL_MESSAGING

Parameter name

Programmable Service Node (PSN) Flow Control Messaging

Functional description

The parameter PSN_FLOW_CTRL_MESSAGING controls the service control unit (SCU) initiated flow control and the messaging related to the PSN initiated flow control. When the value is set to Y, the PSN processes flow control primitives received from the SCU and sends flow Control events when required by the flow control logic.

Provisioning rules

Not applicable

Range information

The range of values is Y or N.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

If this office parameter is set to N, then the SCU initiated flow control and messaging related to extreme PSN flow control conditions is not activated at the PSN. Message loss may occur as a result at the PSN or SCU because of queue overflows.

When the value of this parameter is changed from Y to N while SCU initiated flow control is activated, then the control is deactivated and a PSN106 log is generated with a text reason, "Flow Control Deactivated" at the PSN.

Verification

When this office parameter is set to Y, the SCU to initiates the flow control if potential overflow is detected at the SCU receiving queues.

PSN_FLOW_CTRL_MESSAGING (end)

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

Parameter history
UCS06

This parameter was introduced in UCS06.

PSN_HEARTBEAT_WAIT_TIME

Parameter name

Programmable Service Node Heartbeat Wait Time

Functional description

This parameter specifies the time the programmable service node (PSN) waits for a heartbeat message from the service control unit (SCU) arbitrator before it initiates the initial contact polling to get a new arbitrator's address. The periodic heartbeat depicts the availability of the SCU arbitrator application.

Provisioning rules

For more reliability, a lower value ensures that the communication link is available in most cases. However, if the communication link is fairly reliable and if it is desirable to decrease the overhead of sending/receiving heartbeat messages, then increase the value gradually. The default setting of one second provides sufficient reliability.

Range information

The range is in one-second increments.

Minimum	Maximum	Default
1	30	1

Activation

Immediate

Dependencies

This timer value should be higher than the time interval of the heartbeat messages that the SCU sends.

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

PSN_HEARTBEAT_WAIT_TIME (end)

Dump and restore rules

Not applicable

Parameter history

UCS06

This parameter was introduced in UCS06.

PSN_INIT_SCU_POLLING

Parameter name

Programmable Service Node Initial Service Unit Polling

Functional description

This parameter specifies whether to start the initial contact polling. When the programmable service node (PSN) comes into service after a reboot, a reload, or a cold restart, the points of contact are polled periodically until an initial contact is established between the PSN and any one of the points of contact.

Provisioning rules

Not applicable

Range information

The range of values is Y or N. Setting the parameter value to Y initiates polling. Setting the value to N does not start polling.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

PSN_INIT_SCU_POLLING (end)

Parameter history

UCS06

This parameter was introduced in UCS06.

PSN_INTER_POLL_TIME

Parameter name

Programmable Service Node Inter Poll Time

Functional description

This parameter sets the maximum amount of time the programmable service node (PSN) waits between two consecutive polling cycles. It is the length of time that the PSN administration process waits before trying again to send an in-service message to the service control unit (SCU) by reading table SCUADDR.

Provisioning rules

The upper limit allows the operating company personnel to datafill the table appropriately, if needed. There is no specific provisioning rule except that keeping its value higher gives the operating company personnel the opportunity to change the datafill.

Range information

The range is in one-minute increments.

Minimum	Maximum	Default
0	15	0

Activation

Immediate

Dependencies

Not applicable

Consequences

If the value is higher than optimum, the time delay between consecutive polling cycles is long. SCU controlled calls receive no service during this time.

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

PSN_INTER_POLL_TIME (end)

Dump and restore rules

Not applicable

Parameter history

UCS06

This parameter was introduced in UCS06.

PSN_MEMBER_ADVANCE_MAX

Parameter name

Programmable Service Node Member Advance

Functional description

PSN_MEMBER_ADVANCE_MAX allows for the number of
Member-Advances on a party B of a Connect primitive to be controlled. If the
office parameter is set to 0 and if party B fails to terminate, then there are no
member advances for party B.

Provisioning rules

PSN-MEMBER_ADVANCE_MAX should be set to 3 for the Service Control
units (SCU) which can handle member advancing and set to 0 for SCUs not
equipped for such scenarios. Choosing either 1 or 2 is based solely on the
desired termination time keeping in mind that each member-advance takes
approximately 3 seconds.

Range information

The range of values for this parameter are from 0 to 3.

Minimum	Maximum	Default
0	3	3

Activation

PSN_MEMBER_ADVANCE has an off value of 0, other values are ON
values.

Dependencies

None

Consequences

Each non-zero value allows for scenarios for up to the datafilled number of the
additional route-selected events after the initial route selected event when
termination failures are occuring.

Verification

None

Memory requirements

None

PSN_MEMBER_ADVANCE_MAX (end)

Dump and restore rules

None

Parameter history
UCS08

This parameter was created (PRS 60041306, PRS 60038234).

PSN_PERFORM_NEWCALL_DIGCOL

Parameter name

PSN_PERFORM_NEWCALL_DIGCOL

Functional description

This office parameter specifies whether digit collection occurs on new originations (on New-Call Events). If the SCU performs digit collection with an offboard media device, then the allocation of UTRs and the extra digit collection processing is not required. Therefore, digit collection on ALL new-calls can be turned OFF by setting this office parameter to N (FALSE).

Provisioning rules

If the SCU performs digit collection with an offboard media device, then the allocation of UTRs and the extra digit collection processing is not required. Therefore, digit collection on ALL new calls can be turned OFF by setting this parameter to N (False).

Range information

This parameter is a BOOLEAN. The range of values are Y or N . When N is entered, the value of this parameter is set to NO (false), there is no allocation of UTRs and no digit collection processing. When the value entered is Y, the parameter is set to YES (true), the UTRs are allocated and there is digit collection processing.

Activation

Not applicable.

Dependencies

The software optionality control (SOC) UPSN0001 has to be ON.

Consequences

Not applicable.

Verification

Set the value of PSN_PERFORM_NEWCALL_DIGCOL to N. Make a PSN call:

- PSN doesn not make any further Digit collection.
- PSN does not attach any further UTR to this call
- PSN does not execute any supervision for digits collection

PSN_PERFORM_NEWCALL_DIGCOL (end)

Memory requirements

None

Dump and restore rules

During an ONP, the value of this parameter should be copied to the restore side correctly and continue to perform according to the value it was set to.

Parameter history

UCS09

This parameter was introduced (AD8716).

PSN_SPI_LOGS_ON

Parameter name

Programmable Service Node (PSN) Service Programmable Interface (SPI) Logs

Functional description

PSN_SPI_LOGS_ON allows for PSN events (PSNE) and PSN primitives (PSNP) logs to be turned on and off.

Provisioning rules

PSN_SPI_LOGS_ON should be on during Verification Office (VO) activities and OFF otherwise. The office parameter is also turned ON to debug field issues with the warning that the amount of logs can be quite large (one log per primitive/event per call).

Range information

PSN_SPI_LOGS_ON has a range of OFF to ON. The default is ON.

Minimum	Maximum	Default
		ON

Activation

PSN_SPI_LOGS_ON has an OFF value and an ON value.

Dependencies

None

Consequences

In the ON position, there is one log per primitive and event per call generated.

Verification

None

Memory requirements

None

Dump and restore rules

None

PSN_SPI_LOGS_ON (end)

Parameter history

UCS08

Parameter PSN_SPI_LOGS_ON was created (PRS 60047140).

PSN_THROTTLE_THRESHOLDS

Parameter name

PSN Throttle Thresholds

Functional description

The parameter PSN_THROTTLE_THRESHOLDS is used to facilitate the throttling of PSN traffic controlled by the SCU based on the DMS CPOCC. The office parameter can support from 1 to 3 level of throttling. With each level, an associated threshold and throttling percentage are required. When the CPOCC exceeds the threshold for a particular level, the throttling mechanism blocks the appropriate percentage of PSN calls.

Provisioning rules

See Activation

Range information

This parameter has 7 fields: <f1>, <f2>, <f3>, <f4>, <f5>, <f6>, <f7> where

- <f1> is the level of PSN thresholds. Range (0-3)

- <f2> is the percentage of level 1 threshold. Range (0-100)

- <f3> is the percentage of level 1 throttle. Range (0-100)

- <f4> is the percentage of level 2 threshold. Range (0-100)

- <f5> is the percentage of 2 throttle. Range (0-100)

- <f6> is the percentage of level 3 threshold. Range (0-100)

- <f7> is the percentage of level 3 throttle. Range (0-100)

The default value is 0 for all 7 fields after reboot.

```
(PSN_THROTTLE_THRESHOLDS 0 0 0 0 0 0 0).
```

Activation

Default values are set to deactivate this parm. To activate it, simply datafill appropriate non-zero values to these applicable fields.

```
(PSN_THROTTLE_THRESHOLDS 1 50 10 0 0 0 0 - Level 1 threshold
activation)(PSN_THROTTLE_THRESHOLDS 2 50 10 60 20 0 0 - Level 2
threshold activation)(PSN_THROTTLE_THRESHOLDS 5 50 10 60 20 70
50 - Level 3 threshold activation)
```

Dependencies

When level 1 threshold is datafilled, only level 1 pair of percentage fields are indicated (from 0 to 100), the other 2 pairs must be set to zeros (turn off level 2 and 3)

```
(PSN_THROTTLE_THRESHOLDS 1 50 10 0 0 0 0 – block 10% of PSN calls
when CPOCC>=50%)
```

When level 2 threshold is datafilled, level 1 and 2 pairs of percentage fields must be indicated (from 0 to 100) whereas level 2 threshold (ie. 60) must be greater than level 1 threshold (i.e 50), Level 3 pair must be set to zeros (turn level 3 off)

```
(PSN_THROTTLE_THRESHOLDS 2 50 10 60 20 0 0 – block 10% of PSN
calls when 50%<=CPOCC<=60%, and block 20% of PSN call when
CPOCC>60%>
```

When level 3 threshold is datafilled, all 3 pairs of percentage fields must be indicated (from 0 to 100) whereas level 1 threshold (i.e 50) must be the smallest value and level 3 threshold (ie. 70) must be the biggest value.

```
(PSN_THROTTLE_THRESHOLDS 3 50 10 60 20 70 50 –block 10% of PSN
calls when 50%<=CPOCC<=60%, block 20% of PSN call when
60%<CPOCC<=70%, and block 50% of PSN call when CPOCC>70%)
```

PSPDALARM

Parameter name

Permanent Signal Partial Dial Alarm

Functional description

This parameter is the permanent signal partial dial failure flag. A counter and three threshold levels (minor, major, and critical) are present for the failure type.

An alarm condition occurs if one or more of the failure counters exceeds one of the threshold levels.

Rules in provisioning

Specify the alarm threshold levels for permanent signal partial dial failures. For example, the default value of 10 20 30 represents the following failure thresholds:

- a minor alarm threshold of 10 failures

- a major alarm threshold of 20 failures

- a critical alarm threshold of 30 failures

Range information

Minimum	Maximum	Default
0 0 0	32767 32767 32767	10 20 30

Activation

Use only the ALMSTAT command at the LTP MAP level to change the parameter value. When the ALMSTAT command changes the value, the system updates all current alarms to reflect the failures with the new values.

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

These parameter values require 1 word of memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

PURE_FGD_INTL_TRANSYS

Parameter name

Pure FGD International Translator System

Functional description

Pure FGD calls are routed through table CCTR or through the universal translator based on the value of this office parameter. If this parameter is datafilled as an international call originating over pure FGDs, it is routed through table CCTR. If this parameter is datafilled as interperipheral (IP), international calls originating over pure FGDs are routed through the universal translator.

Note: This parameter is only for Enhanced Operator Position System (EOPS) customers.

Provisioning rules

None

Range information

The range of values for this parameter are international (IN) or IP.

Minimum	Maximum	Default
		IN

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

PURE_FGD_INTL_TRANSYS (end)

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history
BCS32

This parameter was introduced in BCS32.

QDIAGALARM

Parameter name

Shower Queue Diagnostic Alarm

Functional description

A local, SL100 or Austrian local switching unit requires this parameter. This parameter specifies the alarm thresholds for the number of lines in the shower queue. When the number of lines exceed the thresholds the system raises a minor, major or critical alarm.

An alarm condition occurs when one or more of the failure counters exceeds one of the threshold levels.

To change the value of this parameter, use the AlMSTAT command at the LTP MAP level.

Rules in provisioning

Specify the alarm thresholds for the number of lines in the shower queue. For example, the default value of 100 150 200 represents the following alarm thresholds:

- a minor alarm threshold of 100 failures

- a major alarm threshold of 150 failures

- a critical alarm threshold of 200 failures

If you do not require this feature, set the parameter values to 32001 32002 32002.

Range information

Minimum	Maximum	Default
0	32767	100 150 200

Activation

Use only the ALMSTAT command at the LTP MAP level to change this parameter value. When the ALMSTAT command changes the value, the system updates all current alarms to reflect the failures with the new values.

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

These parameter values require 1 word of memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

RECORD_CLG_NPA_NXX

Parameter name

Record Calling Numbering Plan Area And Originating Number

Functional description

Operators do not handle Traffic Operator Position System (TOPS) and Centralized Automatic Message Accounting (CAMA) calls and use this parameter. This parameter generates an originating numbering plan area (NPA) and originating number (NXX) fields for some types of Automatic Message Accounting (AMA) records. The NPA and NNX of some AMA records generate when no calling number is present.

Rules in provisioning

Specify the incoming call types and determine if these calls are impacted. The impacted call types are found in the following list:

- DEFAULT_REC

- TOPS_REC

- CAMA_REC

- TOPS_AND_CAMA_REC

If this parameter value is set to DEFAULT_REC, this feature is not activated.

Range information

Minimum	Maximum	Default
		DEFAULT_REC

Activation

Immediate

Dependencies

For calls that originate from TOPS trunks, the NPA and NXX are taken from table TOPSBC based on the incoming trunk group.

For calls that originate from SuperCama (SC) trunks, the NPA and NXX are taken from table BILLCODE based on the incoming trunk group.

RECORD_CLG_NPA_NXX (end)

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

Parameter history

BCS29

This parameter was introduced in BCS29.

REDIRECTION_FRAMEWORK

Parameter name

Redirection Framework

Functional description

The redirection information framework changes the way in which redirection information is delivered. This office parameter allows the operating company to choose the way they want the redirection information to be delivered.

This office parameter has two values, YES and NO. The default value is YES, indicating that the new redirection information framework has to be used. Setting it to NO will change the redirection information framework to the older one.

Provisioning rules

None

Range information

The range information is as follows:

Minimum	Maximum	Default
		YES

Activation

Immediate

Requirements

None

Results

No applicable

Testing

1   Let the REDIRECTION_FRAMEWORK have the default value of "YES".

2   Make a call with the following scenario:
A-->B(CFW)-->AINSDS1-->AINSDS2-->ISUP Trunk.

3   Send the value of SCP based redirection counter in the redirection information parameter in AINSDS1 as '0'.

4   The redirection information informmation in ISUP IAM message will not have information about CFW.

5	Repeat the above steps with REDIRECTION_FRAMEWORK having the value "NO".
6	The redirection information in ISUP IAM message will have information about CFW.

Memory requirements

Not applicable.

Dump and restore rules

Not applicable.

Parameter history

This parameter was created in CSP18.

REORIG_DIGIT_DURATION

Parameter name

Reorigination Digit Duration

Functional description

This parameter specifies the length of time the reorigination digit (#) must remain depressed to invoke reorigination and return dial tone to the calling party. The length of time is specified in 10 millisecond (ms) increments when the REIORIG_SHORT_OR_LONG office parameter is set to SHORT, and 100 ms increments when the parameter is set to LONG.

Provisioning rules

None

Range information

The range of values for this parameter is from 4 to 30, in 100 ms intervals.

Minimum	Maximum	Default
4 = 40 ms	30 = 3000 ms	8 = 800 ms

When the REORIG_SHORT_OR_LONG office parameter is set to SHORT, the REORIG_DIGIT_DURATION values allow the UCS DMS-250 switch to detect tones with a duration range of 40 ms (datafilled as 4) to 300 ms (datafilled as 30).

When the REORIG_SHORT_OR_LONG office parameter is set to LONG, the REORIG_DIGIT_DURATION values allow the UCS DMS-250 switch to detect tones with a duration range of 500 ms (datafilled as 4 or 5) to 3000 ms (datafilled as 30). Both REORIG_DIGIT_DURATION values of 4 and 5 represent 500 milliseconds when REORIG_SHORT_OR_LONG is set to LONG. Also, if the value of REORIG_SHORT_OR_LONG is LONG, reorigination tones with a duration less than 500 ms are not recognized.

Activation

Immediate

Dependencies

Not applicable

REORIG_DIGIT_DURATION (end)

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

REORIG_FLEXDIAL_INDEX

Parameter name

Reorigination FlexDial Index

Functional description

This parameter specifies the default index to table FLEXDIAL. The default value of this parameter is used when the reorigination call uses the AXXESS agent and the index to table FLEXDIAL is not identified.

Provisioning rules

Not applicable

Range information

The range for this parameter is any valid index from table FLEXDIAL.

Minimum	Maximum	Default
		NIL

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

Parameter history
UCS06

This parameter was released in UCS06.

REORIG_FOR_OPERATOR_SERVICES

Parameter name

Reorgination For Operator Services

Functional description

This parameter determines if reorigination for UCS DMS-250 switch operator services is allowed.

Note: This parameter is only for Enhanced Operator Position System (EOPS) customers.

Provisioning rules

None

Range information

The range of values is Y or N. The value Y indicates reorigination is allowed.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

REORIG_FOR_OPERATOR_SERVICES (end)

Parameter history
BCS31
This parameter was introduced in BCS31.

REORIG_MSGCTR_INDEX

Parameter name

Reorigination MSGCTR Index

Functional description

This parameter specifies the default index to table MSGCTR. The default value of this parameter is used when the reorigination call uses the AXXESS agent and the index to table MSGCTR is not identified.

Provisioning rules

Not applicable

Range information

Minimum	Maximum	Default
0	16777215	0

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word.

Dump and restore rules

This parameter requires one word of memory.

Parameter history
UCS06

This parameter was released in UCS06.

REORIG_ONDISC_IMMED

Parameter name

Reorigination Ondisc Immediately

Functional description

This parameter specifies whether reoriginiation occurs immediately after the called party is disconnected or after a delay timer identified by office parameter REORIG_DISCONNECT_TIMER expires.

Provisioning rules

This office parameter exists in the host switch connecting with Enhanced Operator Position System. (EOPS).

Range information

The range of values is Y or N.

Minimum	Maximum	Default
		Y

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

The following are steps to verify REORIG_ONDISC_IMMED:

- Set the value to Y.

- Make an AXXESS to EOPS call on SS7 RLT IM loop around trunks.

- Verify an operator answers the call, forwards the call to a direct access line (DAL) trunk and presses KP REORIG 1 1 START before releasing the call. The terminator answers the call and disconnects. A dial tone is heard as soon as the terminator goes on-hook.

REORIG_ONDISC_IMMED (end)

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

Parameter history

UCS06

This parameter was released in UCS06.

REORIG_RECEIVERS

Parameter name

Reorigination Receivers

Functional description

This parameter specifies the types of receivers used to detect the reorigination digit.

Provisioning rules

None

Range information

The three options for this parameter are:

- STR_ONLY—Use only special tone receivers (STR). If the STR ceases to be operational, a reorigination attempt is not allowed (also, scanning for the digit will not be performed). Normal calls (without reorigination) are not affected.

- DTMF_ONLY—Use only if the switch is not equipped with STRs. In this case dual tone multifrequency (DTMF) receivers detect the reorigination digit.

- STR_AND_DTMF—The STR is the primary means of reorigination digit detection, but a DTMF receiver is used in case of an STR fault or if the originating trunk's digital trunk controller (DTC) is not equipped with an STR. This means that the office must be equipped with enough DTMF receivers to handle reorigination in the absence of STRs.

Minimum	Maximum	Default
		STR_AND_DTMF

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

REORIG_RECEIVERS (end)

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer
Engineering.

REORIG_SHORT_OR_LONG

Parameter name

Reorigination Short or Long

Functional description

This office parameter changes the range that the
REORIG_DIGIT_DURATION office parameter in table OFCVAR uses. The
old range was {5 to 30}, and the new range is {4 to 30}. The
REORIG_SHORT_OR LONG office parameter affects the digit detection
duration for the reorigination feature on both Legacy and AXXESS agents.

Provisioning rules

None.

Range information

The range of values for this parameter is SHORT to LONG.

Minimum	Maximum	Default
SHORT	LONG	LONG

Activation

No restart is required to activate the REORIG_SHORT_OR_LONG office
parameter in table OFCVAR. Any change to this parameter affects new calls
immediately. Existing calls are not affected.

Dependencies

None.

Consequences

When the office parameter is set to perform short tone detection
(REORIG_SHORT_OR_LONG = SHORT), with an STR NT6X62AB card,
use the following formula for the reorigination value:

(N milliseconds + 1) x 100

where N is the value of the REORIG_DIGIT_DURATION, TKEYDUR, and
NTKEYDUR fields.

REORIG_SHORT_OR_LONG (end)

Verification

When the REORIG_SHORT_OR_LONG office parameter is changed, a warning message is displayed stating that the reorigination value for the REORIG_DIGIT_DURATION office parameter is changed. This change affects the REORIG_DIGIT_DURATION office parameter, and the TKEYDUR and NTKEYDUR fields of the REORGTYP option in table FLEXFEAT, for new calls on the UCS DMS-250 switch.

The following message is displayed when the REORIG_SHORT_OR_LONG office parameter in table OVCVAR is changed to SHORT:

```
If STR card NT6X62EA is installed, setting this value to SHORT
indicates a reorigination digit duration range of {40 to 300}
milliseconds.
```

The following message is displayed when the REORIG_SHORT_OR_LONG office parameter in table OFCVAR is set to LONG:

```
Setting this value to LONG indicates a reorigination digit
duration range of {500 to 3000} milliseconds.
```

Memory requirements

This parameter requires one bit of memory.

Dump and restore rules

An ONP to UCS12 from an earlier release sets this office parameter to its default: REORIG_SHORT_OR_LONG {LONG}.

Parameter history

UCS12

This parameter was introduced in UCS12.

RES_CHK_OOS

Parameter name

Residential Line Check Out of Service

Functional description

The office parameter RES_CHK_OOS provides controlled access to changing a RES line's network class of service (NCOS) in table LINEATTR. This activity supports feature AU2503 - RES Translations Simplification. This feature allows the operating company to change the NCOS value in table LINEATTR for a RES line without taking the line out of service.

Provisioning rules

None

Range information

Minimum	Maximum	Default
Y	N	Y

Activation

Immediate

Dependencies

None

Consequences

This feature allows the operating company to change the NCOS value in table LINEATTR for a RES line without taking the line out of service. Office parameter RES_CHK_OOS should be set to N only during the transition to the new RES schema.

> **CAUTION**
> **Possible accidental change to NCOS value**
> The NCOS value in table LINEATTR can be changed inadvertently if the office parameter RES_CHK_OOS is set to the N value. Set this parameter to the N value only when making a transition to the new RES schema.

RES_CHK_OOS (end)

Verification

With RES_CHK_OOS = Y, maintenance personnel cannot modify the NCOS value in a LINEATTR tuple. With RES_CHK_OOS =N, maintenance personnel can modify the NCOS of a LINEATTR tuple while the RES lines that use that LINEATTR tuple are in service.

Memory requirements

None

Dump and restore rules

None

Parameter history

NA009

This parameter was introduced in NA009 as part of the Cost of Ownership Reduction feature. Corrected typos in June 1999.

REV_CALLED_RESPONSE_TIMER

Parameter name

Reverse Charging Called Response Timer

Functional description

This office parameter corresponds to "Wait for REVCalledReqActive response timer" defined in ITU-T Q.736 Clause 3. This timer is started on destination exchange when an ISUP Facility message is sent with REV RO Invoke Component and it's stopped when ISUP Facility message with REV RO Result Component or REV RO Return Error Component is received from the network. If this timer expires, an ISDN Facility message is sent to the called user with 'Not Available' error value; the existing call remains unaffected and the calling user is charged continuously.

Provisioning rules

This office parameter is datafilled in seconds. The default value of this office parameter indicates the time to wait for an ISUP Facility message with REV RO Result Component or REV RO Return Error Component, when an ISUP Facility message with REV RO Invoke Component has been sent to the network.

Range information

The range information is as follows:

Minimum	Maximum	Default
0	120	15

Activation

Immediate

Requirements

None

Results

If this office parameter is underprovisioned, the timer may expire before REV RO Return Result Component is received at the destination exchange.

Testing

Not applicable.

Memory requirements

Not applicable.

Dump and restore rules

Not applicable.

Parameter history

This parameter was created in WT15.

REVERSE_DISPLAY_DISALLOWED

Parameter name

Reverse display disallowed.

Functional description

This parameter controls the display of the public name of the called party on the display of the calling party.

To engage this parameter, set this parameter to the value of Y (yes). This action prevents the public name of the called party from appearing on the display of the caller. When set to the value of N (no), the public name of the called party appears on the display of the calling party.

Rules in provisioning

To activate this feature, use table control to set the value of this office parameter to the value of Y or N.

Set this parameter to the value of Y if the called party does not want the name on the display of the calling party.

Set this parameter to the value of N if the called party wants their name displayed on the display of the calling party.

Range information

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Does not apply

Consequences

If the office parameter is not used, the patch JBD02 does not receive a selection control.

REVERSE_DISPLAY_DISALLOWED (end)

Verification

Does not apply

Memory requirements

This parameter requires 1 byte of protected data store (DSPROT).

Dump and restore rules

Before the introduction of this office parameter, ACT patch JBD02 provided this functionality. When a site upgrades, query the activation status of ACT patch JBD02. The site upgrades from a load with ACT patch JBD02 to a load with this office parameter. Set this office parameter to the activity of patch JBD02. If patch JBD02 is active in the previous load, set the value of office parameter REVERSE_DISPLAY_DISALLOWED to the value of Y. If patch JBD02 is not active in the previous load, leave this parameter set to the default value N.

Parameter history

NA007

This parameter was introduced in NA007.

RLT_EOPS_SWITCH

Parameter name

Release Link Trunk (RLT) Enhanced Operator Services (EOPS) Switch

Functional description

Call processing uses this parameter to identify a host switch with RLT capability. In conjunction with entry codes for operator calls, this parameter also identifies RLT transfer calls at the host switch.

Provisioning rules

None

Range information

The range of values is Y or N. When not activated, it is set to N.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel.

Parameter history
BCS35

This parameter was introduced in BCS35.

RLT_FIRST_ANM_BILLING

Parameter name

Release Link Trunk (RLT) First Answer Message (ANM) Billing

Functional description

RLT_FIRST_ANM_BILLING indicates whether billing for RLT calls should begin with the first or the last ANM message received.

The RLT functionality was originally designed for operator services where billing was not calculated to include the time at the operator, but was based on the ANM message received from the final leg of the call. Customers with Enhanced Service Provider (ESP) functionality, however, may want calls to be billed for the entire time that the call is at the ESP in addition to the duration of the bridged call. RLT_FIRST_ANM_BILLING provides the option to bill from the first ANM message or the last ANM message received.

Provisioning rules

Not applicable

Range information

The range of values is Y or N.

When this parameter is set to Y, the billing begins from the receipt of the first ANM message. In order to datafill this parameter with Y, the Software Optionality Control (SOC) option must be turned on; otherwise, an error message is generated.

When this parameter is set to N, the billing begins from the receipt of the last ANM message.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

RLT_FIRST_ANM_BILLING (end)

Consequences

Not applicable

Verification

If RLT_FIRST_ANM_BILLING equals Y, make a call to an ESP with multiple redirections and confirm that billing begins with the first ANM message.

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

Parameter history

UCS05

This parameter was introduced in UCS05.

RLT_REDIRECT

Parameter name

Release Link Trunk (RLT) Redirection

Functional description

RLT_REDIRECT indicates whether or not redirection is allowed for RLT calls at host UCS DMS-250 switches.

Provisioning rules

Not applicable

Range information

The range of values is Y or N. If this parameter is set to Y, redirection is allowed for RLT calls at the host UCS DMS-250 switch. If this parameter is set to Y, the Software Optionality Control (SOC) option must be turned on; otherwise, an error message is generated. If set to N, redirection is disallowed at the host UCS DMS-250 switch.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

If RLT_REDIRECT equals Y, make a call to an operator over an RLT trunk to a host UCS DMS-250 switch and confirm that the call is redirected over that same trunk.

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

Parameter history

UCS05

This parameter was introduced in UCS05.

ROTL_250_STS

Parameter name

Remote Office Test Line (ROTL) 250 Synchronous Transport Signal (STS)

Functional description

This parameter specifies the STS to be used by the outgoing intermachine trunk as a partition for the ROTL test port. This parameter is required in switches with the ROTL feature.

Provisioning rules

None

Range information

Minimum	Maximum	Default
000	999	(Blank)

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

RTE_ADVANCE_FOR_INTER_IMT

Parameter name

Route Advance Capability for inter-network Inter Machine Trunk

Functional description

RTE_ADVANCE_FOR_INTER_IMT indicates whether the route advance capability is available to the originating inter-network Inter Machine Trunk (IMT) when receiving the release message with the cause value of No Circuit Available, Equipment Congestion, or Resources Unavailable.

Provisioning rules

Not applicable

Range information

The range of values is Y or N.

If this parameter is set to N, the Route Advance capability is unavailable to the originating inter-network IMT. The Release message with the cause indicator is passed back to the preceding switch. No action is taken. If set to Y, the Route Advance capability is available to the originating inter-network IMT. The originating inter-network IMT can act on the received release message and terminate the call to the next route choice from the existing route list.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

RTE_ADVANCE_FOR_INTER_IMT (end)

Dump and restore rules

Not applicable

Parameter history

UCS05

This parameter was introduced in UCS05.

SCP_TRMT_OVERRIDE_ALLOWED

Parameter name

Service Control Point Treatment Override Allowed

Functional description

This parameter allows a treatment returned by the switch for an NXX call with an invalid authcode or an invalid Automatic Identification Number (ANI) to be overwritten with the treatment returned from the IN1 Service Control Point (SCP) query.

Provisioning rules

Not Applicable

Range information

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

None

Consequences

None

Verification

When SCP_TRMT_OVERRIDE_ALLOWED = Y, the treatment returned from the IN1 SCP for N00/NXX calls that encountered an ANI or authcode failure overwrites the treatment returned in-switch by the ANI or authcode screening failure.

Memory requirements

The new office parameter takes up one word of data store.

SCP_TRMT_OVERRIDE_ALLOWED (end)

Dump and restore rules

Not Applicable

Parameter history

UCS09

A new parameter SCP_TRMT_OVERRIDE_ALLOWED was added
(NR80834).

SDIAGALARM

Parameter name

Short Diagnostic Alarm

Functional description

Use this parameter to set alarm thresholds for short diagnostic failures. The system flags these failures under the F field with an uppercase S on a MAP display for a posted line. A counter and three threshold levels, minor, major, and critical, are maintained for the failure type. An alarm condition occurs when one or more of the failure counters exceeds one of the threshold levels.

To change the value of this parameter, use the ALMSTAT command at the LTP MAP level.

Rules in provisioning

Specifies the alarm thresholds for short diagnostic failures. For example, the default value of 10 20 30 specifies minor, major, and critical alarm thresholds.

Range information

Minimum	Maximum	Default
0 0 0	32767 32767 32767	10 20 30

Activation

Use the ALMSTAT command at the LTP MAP level to change this parameter. The changed command enables an update of current alarms to reflect any failures with the new values.

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter requires 1 word of memory.

SDIAGALARM (end)

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

SIG_TST

Parameter name

Signaling Test

Functional description

This parameter controls the feature that allows the signaling tests, to run after a diagnostic test. The diagnostic test runs from system maintenance or from the trunk test position (TTP).

Rules in provisioning

Set the value of this parameter to Y (yes). This setting allows signaling tests to run from system maintenance or from the TTP.

Set the value of this parameter to N (no) if this feature is not required.

Range information

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Signaling tests apply to trunk groups that have field SIGTST in table CLLIMTCE set to Y.

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

SIG_TST (end)

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

BCS15

This parameter was introduced in BCS15.

SITELABELINFO

Parameter name

Site Label Information

Functional description

This parameter is required for every switch and specifies the site location, site identification, and software release. This information is required when formatting a tape with labels.

Provisioning rules

None

Range information

The range of the site location field is three characters. The range of the site identification field is three characters. The six-character software release field is automatically populated and cannot be manually datafilled.

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

To verify that the parameter is set properly, check that it reflects the current load version of the CM.

Memory requirements

This parameter has no memory impact.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel.

Parameter history

CSP06

SME analysis led to removal of default and subfield information.

The default software release field information was changed by CSR NV60142.

SITELABELINFO (end)

IEC05

The software release field of this parameter was updated in IEC05.

BCS17

This parameter was introduced in BCS17.

SO_ALLOW_REDUNDANT_FEATURE

Parameter name

Service Order Allow Redundant Feature

Functional description

This parameter enables or disables the Service Order Allow Redundant Feature. This parameter changes the behavior of the following SERVORD commands:

- DEO. If you enable office parameter SO_ALLOW_REDUNDANT_FEATURE, SERVORD accepts attempts to delete from a DN an option or feature that was not assigned to the DN. Instead of rejecting the DEO command with an error message, SERVORD accepts the command entry and displays a message that verifies acceptance. The text of the messages can vary according to the option or feature you are adding.

- ADO. If you enable office parameter SO_ALLOW_REDUNDANT_FEATURE, SERVORD accepts attempts to add an option or feature to a DN when the DN already has the option or feature. Instead of rejecting the ADO command with an error message, SERVORD accepts the command entry and displays a message that verifies acceptance. The text of the messages can vary according to the option or feature you are adding.

Provisioning rules

Set the value of this parameter to Y to enable the Service Order Allow Redundant Feature for the ADO and DEO commands.

Set the value of this parameter to N to disable the Service Order Allow Redundant Feature for the ADO and DEO commands.

Range information

The choice of values for this parameter is Y or N.

Minimum	Maximum	Default
		N

Activation

Immediate. Activation affects whole office/computing module (CM) and all users, current and future.

SO_ALLOW_REDUNDANT_FEATURE (end)

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter has no impact on memory.

Dump and restore rules

Not applicable

Parameter history

NA014

Added additional line options to the Service Order Allow Redundant Feature in activity 59017494.

NA010

AF7511, added activation note.

NA009

AF7334, Allow ADO and DEO Redundant Features introduced the parameter SO_ALLOW_REDUNDANT_FEATURE to table OFCVAR.

SPECIAL_AMA_REPORT

Parameter name

Special Automatic Message Accounting (AMA) Report

Functional description

This parameter determines whether AMA billing information is printed as well as recorded on tape.

This parameter should normally be left as the default which turns the special report off. It should be turned on only for debugging purposes.

The unit for this parameter is AMARPT, which is composed of three fields:

```
ON_OFF          Y or N (should information be printed or
                not?)


WHICH_CALLS     ANS_ONLY_OR_BOTH (should only calls for
                which answer was obtained be printed or
                should all calls be printed?)


MAX_DUR         Numeric value (1-32767) that sets a
                threshold for the maximum duration of calls
                to be printed as part of the report
```

Provisioning rules

None

Range information

Minimum	Maximum	Default
		N BOTH 0

Activation

Immediate

Dependencies

Not applicable

SPECIAL_AMA_REPORT (end)

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

SPERFORM_OM_CONTROL

Parameter name

Sperform Operational Measurement Control

Functional description

This parameter turns the collection of two OMs, SPMACT and SPMUSAGE on and off. The information collected in these OMs is the same information that is normally reported from the Sperform Map Level. The advantage to having the data report as OMs is to get a view of all the SPMs in the office instead of 1 or 2 SPMs from the Sperform at the Map Level.

Provisioning rules

Default value of "Y" is used to turn on the collection of OMs.

Range information

Minimum	Maximum	Default
		Y

Activation

Not applicable

Dependencies

None.

Consequences

Does not apply

Verification

Does not apply

Requirements

Not applicable

Results

Not applicable

SPERFORM_OM_CONTROL (end)

Memory requirements

This parameter has no memory impact.

Dump and restore rules

Not applicable

Parameter history

CSP17

This parameter is introduced by the CSP feature "SPM Wellness: Real Time OCC OM."

SPLASHBACK_TEMPLATE

Parameter name

Splashback Template

Functional description

This parameter specifies the number of bursts (one or two) of tone desired by the switch for the splashback feature.

See parameter SPLASHBACK_TIME_1 for the definition of the splashback feature.

Provisioning rules

None

Range information

The range of this value is 1 or 2.

Minimum	Maximum	Default
1	2	1

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

SPLASHBACK_TIME_1

Parameter name

Splashback Time 1

Functional description

Splashback allows the customer to use an autodialer interface.

A splashback dual tone multifrequency (DTMF) tone indicates to an autodialer that the number being dialed is not on the network (that is, not in the translation or pretranslations data). It causes the autodialer to disconnect and place the call through the public telephone network.

When a call is treated with VACANT_CODE or VACANT_SPEED_NUMBER and the splashback feature is enabled, the trunk receives a DTMF tone and then routes to an announcement.

This feature is allowed on trunk groups with trunk group types dedicated access line (DAL), off-network access line (ONAL), off-network access trunk (ONAT), and intermachine trunk (IMT).

The office parameter SPLASHBACK_TONE in table OFCVAR defines the frequencies of the splashback tone.

The DTMF tone can be one or two bursts depending on the value of parameter SPLASHBACK_TEMPLATE in table OFCVAR. If it is set to 1, then one burst is sent. If it is set to 2, then two bursts of equal time are sent.

The signaling sequence for a single burst is as follows, the time interval for each segment can be from 10 milliseconds to 2.56 seconds:

SEGMENT					
1	2	3	4	5	
SILENCE	SILENCE	DTMF*	SILENCE	SILENCE	ANNOUNCEMENT

SPLASHBACK_TIME_1 (continued)

The signaling sequence for two bursts of equal length is as follows, the time interval for each segment can be from 10 milliseconds to 2.56 seconds:

SEGMENT					
1	2	3	4	5	
SILENCE	DTMF*	SILENCE	DTMF*	SILENCE	ANNOUNCEMENT

Provisioning rules

None

Range information

This parameter specifies the time, in 10-ms intervals, for the first segment in the splashback template.

Minimum	Maximum	Default
0	255	10 (100 ms)

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

SPLASHBACK_TIME_1 (end)

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer
Engineering.

SPLASHBACK_TIME_2_4

Parameter name

Splashback Time 2 4

Functional description

This parameter specifies the time, in 10-ms intervals, for the second and fourth segments in the splashback template.

See parameter SPLASHBACK_TIME_1 for the definition of the splashback feature.

Provisioning rules

None

Range information

Minimum	Maximum	Default
0	255	8 (80 ms)

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

SPLASHBACK_TIME_3

Parameter name

Splashback Time 3

Functional description

This parameter specifies the time, in 10-ms intervals, for the third segment in the splashback template.

See parameter SPLASHBACK_TIME_1 for the definition of the splashback feature.

Provisioning rules

None

Range information

Minimum	Maximum	Default
0	255	200 (2 seconds)

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

SPLASHBACK_TIME_5

Parameter name

Splashback Time 5

Functional description

This parameter specifies the time, in 10-ms intervals, for the fifth segment in the splashback template.

See parameter SPLASHBACK_TIME_1 for the definition of the splashback template.

Provisioning rules

None

Range information

Minimum	Maximum	Default
0	255	25 (250 ms)

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

SPLASHBACK_TONE

Parameter name

Splashback Tone

Functional description

This parameter specifies the frequencies required for the splashback tone.

See parameter SPLASHBACK_TIME_1 for the definition of the splashback feature.

Provisioning rules

None

Range information

The range of values is ONE, TWO, THREE, FOUR, FIVE, SIX, SEVEN, EIGHT, NINE, ZERO, STAR or OCTA.

Minimum	Maximum	Default
		FIVE

The following are the frequencies provided by each of the values:

Frequency	1209Hz	1336Hz	1477Hz
697Hz	1	2	3
770Hz	4	5	6
852Hz	7	8	9
941Hz	*	0	#

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

SPLASHBACK_TONE (end)

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history

BCS17

This parameter was introduced in BCS17.

SPM_ECAN_REPORT_MSG_ON

Parameter name

Spectrum (SPM) Echo Canceller (ECAN) Report Message On

Functional description

This parameter allows the SPM ECAN capability to turn the Spectrum ECAN message on and off. This parameter is necessary due to the real time impact of Spectrum transporting the ECAN resource data information to the computing module.

Provisioning rules

Not applicable

Range information

The range of values is Boolean true (Y) or false (N). Set the value when the feature is not activated.

Minimum	Maximum	Default
		False (N)

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

Not applicable

Dump and restore rules

Not applicable

SPM_ECAN_REPORT_MSG_ON (end)

Parameter history

UCS08, SPM01 (CSP08)

This office parameter was created.

SS7FGD_TRANSITIONAL_OVERRIDE

Parameter name

SS7FGD_TRANSITIONAL_OVERRIDE

Functional description

This office parameter indicates if SS7 FGD calls with an address of 950-XXXX and a nature of address (NOA) of SUBSCRIBER should be treated as a transitional call. If the office parameter is set to Y, then calls with an address of 950-XXXX and an NOA of SUBSCRIBER will not be treated as a transitional call. If the office parameter is set to N, then SS7 FGD calls with an address of 950-XXXX and an NOA of SUBSCRIBER will be treated as transitional calls. The end-user is then prompted for DTMF digits.

Provisioning rules

Not applicable

Range information

The range of values for this parameter is Y or N.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Follow these steps to verify this parameter:

1. set office parameter SS7FGD_TRANSITIONAL_OVERRIDE to Y

2. make an SS7 FGD call with an address of 950-XXXX and NOA of SUBSCRIBER

3. verify that the user is not prompted for DTMF digits and the call routes based on the called party number of 950-XXXX

SS7FGD_TRANSITIONAL_OVERRIDE (end)

4. set office parameter SS7FGD_TRANSITIONAL_OVERRIDE to N

5. make the same call again and verify that the user is prompted for DTMF digits and the call is routed based on the dialed DTMF address digits.

Memory requirements

This parameter requires 1 word of memory.

Dump and restore rules

On a one night process (ONP) from UCS06 or UCS07 to UCS08, if patch SSB70 is activated on the dump side then the office parameter will be set to Y.If this office parameter exists on the dump side, the value is copied from the dump side to the restore side.

Parameter history
UCS08

This parameter was introduced.

SS7_FGD_ORIG_BOUNCE_SUS_RES

Parameter name

SS7_FGD_ORIG_BOUNCE_SUS_RES

Functional description

The parameter SS7_FGD_ORIG_BOUNCE_SUS_RES provides the operator with the option of passing Suspend Resume message handling to the LEC when the originating agent is an SS7 FGD. When the office parameter is set to N, suspend resume message handling is performed on UCS DMS-250. When the office parameter is set to Y, suspend resume messages are sent out of the originating SS7 FGD trunk and suspend resume message handling is passed to the upstream switch.

Provisioning rules

No additional provisioning rules apply.

Range information

The range of values are Y or N.

Minimum	Maximum	Default
		N

Activation

Immediate.

Dependencies

None.

Consequences

Not applicable.

Verification

When the value of SS7_FGD_ORIG_BOUNCE_SUS_RES is set to N and a suspend message is received on the UCS DMS-250, the message is not sent out on the originating SS7 FGD agent. The suspend timer is activated on the UCS DMS-250 and the suspend resume message handling is performed on the UCS DMS-250,

When the value of SS7_FGD_ORIG_BOUNCE_SUS_RES is set to Y and a suspend or resume message is received on the UCS DMS-250. the message is

SS7_FGD_ORIG_BOUNCE_SUS_RES (end)

not sent up to the CM and the suspend or resume message is sent out over the SS7 FGD agent to the upstream switch.

Memory requirements

No memory impact.

Dump and restore rules

Not applicable.

Parameter history

UCS11

This parameter was created (A60059132)

STD_EA_LAS_SCREEN_ENABLE

Parameter name

Standard Equal Access Local Access/State Screen Enable

Functional description

The intraLATA and intrastate screening feature provides the UCS DMS-250 switch with the capability of selectively blocking intraLATA and intrastate calls.

The feature uses the NPA or NPA-NNX of the automatic number identification (ANI) spill and the NPA-NNX of the destination digits to interface with the intraLATA and intrastate tables, LATA, STATE, and LASBLOCK.

This screening process has three possible results:

- The call passes screening; that is, the processing of the call continues.

- The call is blocked by the screening; that is, the call is routed to INTERLATA Restriction (ILRS) treatment.

- The screening cannot be performed due to the format of the ANI spill or the destination digits. A TRK255 log is generated, but the call is allowed to proceed.

IntraLATA and intrastate screening is not performed for zero-minus operator assisted calls, test calls, and international calls outside World Zone 1.

For equal access cut-through calls, intraLATA and intrastate screening is performed whenever the screening feature is present.

Provisioning rules

None

Range information

For standard (non-cut-through) equal access calls, intraLATA and intrastate screening is performed whenever the value of this parameter is equal to Y. If the value of this parameter is N the intraLATA and intrastate screening is bypassed (not performed).

Minimum	Maximum	Default
		N

STD_EA_LAS_SCREEN_ENABLE (end)

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

STRIP_ZERO_FOR_VPROMPTS_ZMINUS

Parameter name

Strip Zero For Voice Prompt Zminus

Functional description

This office parameter indicates whether the 0 is stripped from the Called Party Address for the Universal Access (UA) voice prompt 0- calls. When this parameter is set to Y, the UCS DMS-250 switch indicates that the 0 is stripped from the Called Party Address for the UA voice prompt 0- calls. When this parameter is set to N, the UCS DMS-250 switch indicates that the 0 is not stripped from the Called Party Address for UA voice prompt 0- calls.

Provisioning rules

Not applicable

Range information

The range of values is Y and N.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

No table control restrictions prevent this office parameter from being changed to, when the MVP Card Service Software Optionality Control (SOC) option is in the IDLE state. However, the call processing functionality provided by this parameter is dependent on the SOC option being in the ON state.

Consequences

Not applicable

Verification

The following steps verify this parameter:

- Set up routing to an operator through table OFRT, where translations are setup to prefix the called address digits with a 0 before outpulsing to the operator.

- Make a UA voice prompt 0- call with this office parameter set to Y.

STRIP_ZERO_FOR_VPROMPTS_ZMINUS (end)

- Verify that only 0 is outpulsed to the operator.

- Make the same call again, this time with this office parameter set to N.

- Verify that 00 is outpulsed to the operator.

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

During One Night Process (ONP), if the patch TDR04 is active on the dump side, this parameter is set to Y on the restore side. If this office parameter exists on the dump side, the value is copied from the dump side to the restore side.

Parameter history

UCS06

This parameter was introduced in UCS06.

SUPERGD_ACTIVATED

Parameter name

SUPERGD_ACTIVATED

Functional description

The parameter SUPERGD_ACTIVATED may be changed from N to Y if and only if SOC NSER0003 is in state ON. If the SOC is off, and an attempt is made to change the parameter from N to Y, an error message is displayed.

The following error message appears:

```
SOC NSER0003 must be in state ON before you may activate SUPERGD
functionality.
```

If SUPERGD_ACTIVATED is set to Y, and an attempt is made to assign state IDLE to SOC NSER0003, an error message is displayed.

The following error message appears:

```
You must change office parameter supergd_activated to N in table
OFCVAR before setting SOC NSER0003 to IDLE.
```

Provisioning rules

None

Range information

The range of values is Y or N.

Minimum	Maximum	Default
		N

Activation

Immediate.

Dependencies

Not applicable.

Consequences

Not applicable.

SUPERGD_ACTIVATED (end)

Verification

None.

Memory requirements

One word.

Dump and restore rules

Not applicable.

Parameter history

UCS11

This parameter was created (AX1397).

Parameter name

Field SYSLOG Access

Functional description

This parameter safeguards the SYSLOG field in table LOGCLASS. This parameter is set to Y, first to allows the default tuples to be entered at loadbuild time. To provide security to the SYSLOG during normal operation, set the parameter to N after the loadbuild.

To change the SYSLOG field in table LOGCLASS, the parameter is set to Y (yes).

The field SYSLOG in table LOGCLASS specifies if a LOG is a system log. The field SYSLOG in table LOGCLASS removes the SYSLOG command in LOGUTIL.

All SYSLOGS are placed in table LOGCLASS with the SYSLOG field equal to Y from the EXT files at loadbuild time.

Rules in provisioning

The value of this parameter must be Y when you modify field SYSLOG. The value of this parameter must be Y when adding/deleting tuples with field SYSLOG in table LOGCLASS equal to Y (yes).

Range information

Minimum	Maximum	Default
		Y

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

SYSLOG_ACCESS (end)

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

This parameter must have a value of Y (yes) to allow default syslog tuples to be added at loadbuild time. Set the value of the parameter to N (no) at dump/restore time to protect field SYSLOG in table LOGCLASS.

Parameter history
BCS20

This parameter was introduced in BCS20.

TABLE_ACCESS_CONTROL

Parameter name

Table Access Control

Functional description

A switching unit with the Security Table Enhancement feature requires the Table Access Control parameter. The Security Table Enhancement feature allows the operating company to activate or deactivate this parameter.

Rules in provisioning

Set the value of this parameter to Y (yes) to activate the Security Table Enhancement feature.

Set the value of this parameter to N (no) to deactivate the Security Table Enhancement feature.

Range information

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

When this parameter is set to Y, the operating company can activate or deactivate the Security Table Enhancement feature for the table. The operating company changes the value of fields VALLACC or DENACC in table CUSTPROT to activate or deactivate this feature.

Office parameter MONITOR_TABLE_ACCESS in OFCOPT is set to a value of Y to function.

Consequences

Does not apply

Verification

Does not apply

TABLE_ACCESS_CONTROL (end)

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

Parameter history

BCS18

This parameter was introduced in BCS18.

Parameter name

Time Assignment Speech Interpolation Interval

Functional description

This parameter determines the frequency with which the following occur:

- the Time Assignment Speech Interpolation (TASI) signal is sent to the Dynamic Load Control (DLC) unit

- the TASI clear signal is set again

- the software and the hardware are checked to remain in step

Rules in provisioning

This parameter controls the audit interval from the TASI DLC (three times the specified value). This parameter also controls the frequency at which the TASI CLEAR lead is updated (the specified value).

The operating company determines the value of this parameter.

Range information

Minimum	Maximum	Default
1	60	3

Activation

The value of this parameter must be the amount of time specified.

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

TCMALARM

Parameter name

Time Compressed Multiplex Synchronization Alarm

Functional description

Switching units with the Datapath feature require this parameter. This parameter specifies the threshold values for minor, major, and critical alarms. These alarms are activated if too many Datapath lines flag with time compressed multiplex (TCM) synchronization (SYNC) failures.

This parameter associates with the failure flag T.

Rules in provisioning

Specify the alarm thresholds for Datapath lines flagged as TCM SYNC failures. For example, the default value of 100 150 200 represents:

- a minor alarm threshold of 100 failures

- a major alarm threshold of 150 failures

- a critical alarm threshold of 200 failures

Range information

Minimum	Maximum	Default
0 0 0	32767 32767 32767	100 150 200

Activation

Use the ALMSTAT command at the LTP MAP level only to change this parameter. When the ALMSTAT command changes the parameter value, all current alarms are updated to reflect the failures with the new values.

Dependencies

Does not apply

Consequences

If the alarm threshold value is set too low, the alarm sounds often.

TCMALARM (end)

Verification

Simulate SYNC problems on Datapath lines. Verify that the alarms are activated.

Memory requirements

This parameter value requires 1 word of memory.

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

Parameter history

This parameter was introduced in BCS27.

TCN_CONF_CALL_ENABLED

Parameter name

Travel Card Network (TCN) Conference Call Enabled

Functional description

Conference calling capabilities for calling card calls are restricted by application name.

Note: The STDPRT field SCPTOUT specifies the amount of time to wait before a remote database timeout is declared.

Provisioning rules

None

Range information

The range of values is Y or N. TCN_CONF_CALL_ENABLED specifies if conference calls are enabled (Y) or disabled (N) for the particular calling card application.

Minimum	Maximum	Default
		Y

Activation

Immediate

Dependencies

The value contained in each conference calling office parameter is the default value for the SCPTOUT field for each tuple in the table STDPRT with the corresponding application name. Therefore, the table STDPRT must be reformatted prior to the table OFCVAR. The dump and restore for the table OFCVAR must simply delete the timeout parameters.

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

TCN_CONF_CALL_ENABLED (end)

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer
Engineering.

Parameter history

BCS33

This parameter was introduced in BCS33.

TCN_DCP_RESPONSE_TIMEOUT

Parameter name

Travel Card Network (TCN) Digital Control Point (DCP) Response Timeout

Functional description

This parameter specifies the default value for the optional TIMEOUT parameter of the TCNTEST command and also indicates the amount of time that call processing waits for a response from the DCP.

Provisioning rules

None

Range information

The range of values is in seconds. The value of this parameter depends on how long the customer wants to wait before giving up on the DCP. Under normal circumstances, a response should be received within one second. When a timeout does occur, default data completes the call.

Minimum	Maximum	Default
1	5	2

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

TCN_ENHANCED_GT_CDPA

Parameter name

Travel Card Number Enhanced Global Title Called Party Address

Functional description

This office parameter indicates which digits are placed in the Service Connection Control Part (SCCP) Global Title Address Information field.

If TCN_ENHANCED_GT_CDPA is set to `N', the format of the SCCP Global Title parameter is `type-only'. With the setting of `N',  the SCCP Global Title Address Information parameter holds the single digit `O'. If this office parameter is set to `Y', the format of the SCCP Global Title parameter is also `type-only'. With the setting of `Y', the SCCP Global Title Address Information parameter holds the first 6 digits of the TCN number in Binary-Coded Decimal (BCD) form.

Provisioning rules

None.

Range information

The range of values for this parameter is Boolean type, Y or N (Yes or No).

Minimum	Maximum	Default
		N

Activation

Immediate. No restart is required.

Dependencies

None.

Consequences

Not applicable

Verification

To verify, observe the SCCP message header of the outbound Travel Card Number (TCN) TCAP message.

TCN_ENHANCED_GT_CDPA (end)

If the office parameter is set to `N', the Address Information field within the Global Title parameter contains 0000 0000. Also, the four bit field (bits 3-6) within the Address Indicator portion of the message, representing the Global Title Indicator, is set to 0010.

If the office parameter is set to `Y', the Address Information field, three octets within the Global Title parameter, contains the first 6 digits of the TCN. The digits are represented in Binary-Coded Decimal (BCD). Also, the four bit field (bits 3-6) within the Address Indicator portion of the message representing the Global Title Indicator, is set to 0010.

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

If patch RKS37 is activated on the dump side, then the TCN_ENHANCED_GT_CDPA office parameter datafill is transferred. If patch RKS37 is not present or not activated on the dump side, then the TCN_ENHANCED_GT_CDPA office parameter is defaulted to `N'.

Parameter history

UCS12

This parameter was introduced in UCS12.

TELNET_SESSION_MODE

Parameter name

TELNET_SESSION_MODE

Functional description

The new office parameter TELNET_SESSION_MODE allows telnet users to initiate a character mode of the linemode session.

Provisioning rules

This parameter has two values (CHARMODE or LINEMODE). When in CHARMODE, the CharOptionAllowed Bool is set to Y, which allows Telnet users to initiate a character mode session. When set to LINEMODE, a telnet client can only initiate sessions in linemode.

Datafill Sequence

The size of Table OFCVAR remains unchanged

Table sizing

Datafill sequence of this table is unchanged.

Dump and restore rules

No changes needed

Parameter history

UCS08

A new parameter was added (BD48648).

TESTSS250_MAX_USERS

Parameter name

Test Sub-System DMS-250 for Maximum Users

Functional description

This parameter allows the customer to specify the maximum number of users that can execute the DMS-250 TESTSS CI commands simultaneously.

Provisioning rules

Set this parameter to restrict the number of simultaneous test commands.

Range information

Minimum	Maximum	Default
0	63	5

Activation

Warm or cold restart

Dependencies

Not applicable

Consequences

This takes away from the resources for call processing.

Verification

Not applicable

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel.

Parameter history
BCS31

This parameter was introduced in BCS31.

TEST_CALL_AMR_SPILL

Parameter name

Test Call AMR Spill

Functional description

Local non-LAMA switching units that use AMR4/5 formats for the automatic number identification (ANI) spill to a toll switching unit require this parameter.

Rules in provisioning

The value of this parameter must equal the test call billing number and include the category digits a test call requires.

Range information

Minimum	Maximum	Default
		505551212 (50 are the category digits)

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

Parameter name

Test Call II Spill

Functional description

This parameter creates the automatic number identification (ANI) spill that a test call uses. The test call uses the spill when an automatic time and charges (ATC) trunk that uses Bell type signaling with two ANI ID digits is tested.

Rules in provisioning

This parameter value must equal the test call billing number that a test call requires. The test call billing number contains a maximum of 18 digits.

Range information

Minimum	Maximum	Default
		005551212

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

TEST_CALL_II_SPILL (end)

Parameter history
BCS16
This parameter was introduced in BCS16.

TEST_CALL_SPILL

Parameter name

Test Call Spill

Functional description

Local non-local automatic message accounting (non-LAMA) switching units that use Bell formats for the automatic number identification (ANI) spill to a toll switching unit require this parameter.

Rules in provisioning

This parameter value must equal the test call billing number a test call requires.

Range information

Minimum	Maximum	Default
		05551212 (0 = ID digit)

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

TEST_R2_ANI_DENY

Parameter name

TEST_R2_ANI_DENY

Functional description

The parameter TEST_R2_ANI_DENY is a BOOL that is datafilled with the values of Y or N. The ANI digits are controlled by this parameter and are sent out when the value is N.

Provisioning rules

This parameter controls the sending of ANI digits and has values of "Y" or "N".

Range information

Minimum	Maximum	Default
N	Y	N

Activation

Immediate.

Dependencies

None.

Consequences

The parameter is datafilled with either "Y" or "N".

Verification

Follow these instructions to verify that the TEST_R2_ANI_DENY parameter is set to the correct value.

1. On a MAP terminal, invoke table OFCVAR by typing:

   table OFCVAR

2. Type:

   pos TEST_R2_ANI_DENY

If the current value of the displayed parameter is set to N, it is listed as follows:

TEST_R2_ANI_DENY (end)

TEST_R2_ANI_DENY   N

Memory requirements

There are no memory requirements.

Dump and restore rules

As this is a new parameter, data from previous loads or carrying out reformatting procedures is not required.

Parameter history

EURO08

Office parameter TEST_R2_ANI_DENY is created in table OFCVAR in EUR008.

THRESHOLD_IS_SAMPLING

Parameter name

Log Sampling Threshold

Functional description

This parameter controls the action of log thresholding.

Rules in provisioning

If the value of this parameter is Y (yes), the system prints every Nth report.

If the value of this parameter is N (no), the system prints every report after the Nth.

The N is the value of field THRESHOLD in table LOGCLASS.

Range information

Minimum	Maximum	Default
		Y

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

Parameter name

Translation Options

Functional description

This parameter gives you the ability to select translation treatment options for 1+7D and direct dial service code (SCD) calls.

Provisioning rules

The first field in this parameter, tmt_pdil_for_pfx10, allows you to choose between partial dial (PDIL) and misdirected CAMA call (MSCA) when a 1+7D call is routed to treatment. Set this value to Y to route 1+7D calls to PDIL treatment. Set this value to N to route 1+7D calls to MSCA treatment. N is the default.

The second field, no_tmt_for_scd, allows you to choose whether direct dial SCD calls complete or go to MSCA treatment. Set this field to Y for the SCD call to complete. Set this field to N for the SCD call to route to MSCA treatment. N is the default.

Range information

Minimum	Maximum	Default
		N (tmt_pdil_for_pfx10)
		N (no_tmt_for_scd)

Activation

Immediate

Requirements

Not applicable

Results

Not applicable

TRANSLATION_OPTIONS (end)

Testing

Set field tmt_pdil_for_pfx10 to N and make a 1+7D call. The call routes to MSCA treatment. Set field tmt_pdil_for_pfx10 to Y and make a 1+7D call. The call routes to PDIL treatment.

Set field no_tmt_for_scd to N and make an SCD call. The call routes to MSCA treatment. Set field no_tmt_for_scd to Y and make an SCD call. The call completes.

Memory requirements

This parameter value requires one word of memory.

Dump and restore rules

Not applicable

Parameter history

NA012

SR 10237061 adds field no_tmt_for_scd to this parameter.

NA010

Feature BY67346 adds this parameter in release NA010.

TRKLPBK_TIMEOUT_IN_MINUTES

Parameter name

Trunk Loopback Timeout in Minutes

Functional description

An SL-100, local or toll switching unit with the Dialed Loopback on Trunks feature requires this parameter. This parameter specifies the trunk loopback timeout in 1-min intervals.

The Dialed Loopback on Trunks feature can provide automatic loopbacks for trunks that are DS-0 channels. The loopback points are at the DMS-100 network module (NM) and looping back is on the same trunk. To access these loopbacks, incoming or two-way trunks must dial an access code to the switching unit. The access code must be incoming digits and must be able to contain data. The terminating switching unit sends an answer signal to the originating switching unit when the loopback is complete.

The access codes listed in the following table are for different switching centers across a nation. Unify the entries of the access codes so different switches at the same level in the switching network hierarchy contain the same data.

Access code unification

Center	Access Code
local/PBX switching unit	5667
toll center	109
primary center	110
sectional center	111
regional center	112

Rules in provisioning

Specify the trunk loopback timeout in minutes.

After the trunk loopback timeout lapses, the system disconnects the call. The call goes to the idle state.

Leave the value of this parameter at the default of 20 if this feature is not required.

TRKLPBK_TIMEOUT_IN_MINUTES (end)

Range information

Minimum	Maximum	Default
20	15300	20

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Dial a trunk loop around access code from a telephone or a data unit. Verify that the call disconnects and goes to the idle state after the time specified for this parameter.

Memory requirements

This parameter requires 1 word of memory.

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

Parameter history

BCS24

This parameter was introduced in BCS24.

Parameter name

Trunk Out Of Service Check On

Functional description

This parameter specifies if a check is made when the trunks in a trunk group are out of service. The trunks are out of service when the values of exact fields in the table TRKGRP are changed by data modification order.

Rules in provisioning

If this parameter is Y (yes), a check is made to see if the trunks in a trunk group are out of service. This check is made when the values of exact fields in the table TRKGRP are changed by data modification order.

If the value of this parameter is N (no), the system does not make this check.

Range information

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

This parameter affects each section that describes the different trunk group types in table TRKGRP.

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

TRK_OOS_CHK_ON (end)

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

TSTLN_OP_DELAY

Parameter name

Test Line Outpulsing Delay

Functional description

This parameter specifies the length of time, in seconds, of the delay. The delay occurs between trunk seizure and digit outpulsing for testline-type trunk tests. This delay is available during the execution of the OP (outpulse) and TST (test) commands or during automatic trunk testing (ATT).

The delay that this parameter specifies allows time for older mechanical offices that are tested to attach a digit receiver.

Rules in provisioning

Specify the length of time of the delay between trunk seizure and digit outpulsing for testline-type trunk tests.

Range information

Minimum	Maximum	Default
0	3	0

Activation

Immediate

Dependencies

Table TSTLCONT contains testline digits required for trunk testing.

Consequences

Does not apply

Verification

Use the command PMIST to check that the specified delay time occurs between trunk seizure and the outpulsing of digits. Delay time occurs between trunk seizure and the outpulsing of digits during the execution of the OP and TST commands. Delay time occurs between trunk seizure and the outpulsing of digits during automatic trunk testing (ATT).

TSTLN_OP_DELAY (end)

Memory requirements

This parameter requires 1 word of memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

BCS36

This parameter was introduced in BCS36.

TTR_SELECTION_OPTION

Parameter name

Automatic Trunk Testing Report Selection Option

Functional description

The Automatic Trunk Testing Report (TTR) feature requires this parameter in switching units.

The purpose of the TTR feature is to transfer the scheduled automatic trunk testing results. The TTR feature transfers the scheduled automatic trunk testing results to a device independent recording package (DIRP) file.

The TTR uses the ownership facility that the Customer Network Data Changes feature introduced. The facility identifies the trunk that belongs to each user. The operating company can specify the trunk groups that belong to a specified customer.

The system captures all current TTR reports. The system makes sure of user access only to trunks that belong to that user. The system formats the record to a standard format. The DIRP can transfer this standard formatted record to the appropriate stream based on trunk group ownership. An operating company sets up the datafill for the Customer Network Changes feature. The operating company makes sure that centrex users have access only to specified trunk groups.

At scheduled testing intervals, the ATT process generates a report through the log system. This parameter transfers the TTR results to a DIRP file. The DIRP file does not need to contain trunk test results for all trunk groups tested. The DIRP file can include or exclude results based on the ownership of the trunk group.

Customer ownership tables allow the system to classify each trunk group as TELCO or CUSTOMER owned. The system normally prints all the trunk group reports on a log device. This parameter provides the ability to select which class of trunk groups to place on the DIRP file.

The system classifies each trunk group common language location identifier (CLLI) as TELCO or CUSTOMER owned. The file contains selectively stored TTR data that associates with a CLLI. This data depends on the value of the parameter. If table DATAOWNR is not present, the user can assume that all of the trunks are TELCO owned. The table DATAOWNR determines the customer that owns a trunk.

TTR_SELECTION_OPTION (continued)

This feature can handle one customer only. This feature does not provide a difference between customers in a multicustomer environment.

Rules in provisioning

You must set the value of this parameter to NO_DATA if TTR data is not stored on file.

You must set the value of this parameter to ALL_DATA if you have both TELCO and CUSTOMER data stored on file.

You must set the value of this parameter to TELCO_DATA if you have only TELCO data stored on file.

You must set the value of this parameter to CUSTOMER_DATA if you have only CUSTOMER data stored on file.

Range information

Minimum	Maximum	Default
		ALL_DATA

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

TTR_SELECTION_OPTION (end)

Parameter history

BCS19

You will find this parameter introduced in BCS19.

UA_TCNCARD_PDIL1

Parameter name

Universal Access (UA) Travel Card Number (TCN) Card Partial Dial (PDIL) 1

Note: This parameter was previously named UA_FONCARD_PDIL1.

Functional description

This parameter value is used as a partial dial (PDIL) timer that determines the amount of time (in seconds) allowed after a subscriber has entered a portion of the travel card number (first attempt). This parameter overrides the PARTDIAL field in table TRKSGRP. If the timer expires, the active voice prompt PARTIALTCN is played, and the subscriber receives a voice prompt to enter the calling card number again.

Provisioning rules

None

Range information

The range of values is from 2 to 30.

Minimum	Maximum	Default
2	30	15

Activation

Immediate

Dependencies

Not applicable

Consequences

The value determines how much time the subscriber has to enter the calling card digits after dialing the first digit. If the value entered is too low, the timer may expire when the subscriber pauses for a moment while dialing.

Verification

To verify this parameter, enter an incomplete number on the first call attempt. Ensure the time between the last digit dialed and the announcement is the same as the value of this office parameter.

UA_TCNCARD_PDIL1 (end)

Memory requirements

This paramter requires one word of memory.

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

Parameter history

UCS05

The name of this parameter changed from UA_FONCARD_PDIL1 to UA_TCNCARD_PDIL1 in UCS05.

UCS04.2

This parameter was introduced in UCS04.2.

UA_TCNCARD_PDIL2

Parameter name

Universal Access (UA) Travel Card Number (TCN) Partial Dial (PDIL) 2

Note: This parameter was previously named UA_PHONECARD_PDIL2.

Functional description

This parameter value is used as a partial dial (PDIL) timer the second time a subscriber enters an incomplete calling card number. If the subscriber enters another invalid calling card number, the call routes to a treatment and then to the operator.

Provisioning rules

None

Range information

The range of values if from 2 to 30.

Minimum	Maximum	Default
2	30	5

Activation

Immediate

Dependencies

Not applicable

Consequences

The value determines how much time the subscriber has to enter the calling card digits after dialing the first digit. If the value entered is too low, the timer may expire when the subscriber pauses for a moment while dialing. Calls will be unnecessarily routed to the operator.

Verification

To verify this parameter, enter an incomplete number on the second call attempt. Ensure the time between announcements is the same as the value of this office parameter.

Memory requirements

This parameter requires one word of memory.

UA_TCNCARD_PDIL2 (end)

Dump and restore rules

The name change occurs during the one-night process.

Parameter history

UCS05

The name of this parameter changed from UA_FONCARD_PDIL2 to UA_TCNCARD_PDIL2 in UCS05.

UCS04.2

This parameter was introduced in UCS04.2.

UDIAGALARM

Parameter name

Utility Line Card Diagnostic Alarm

Functional description

This parameter sets the alarm thresholds for the utility line card diagnostic failure flag of U under the heading F. This parameter sets the alarm thresholds for a posted line at the MAP terminal.

A utility line card is the power supply card located on the line drawer. The power supply card can be +48 Volt. A utility line card is the power supply card located on message waiting lamp power supply cards.

The system maintains a counter and three threshold levels for the failure type. The threshold levels are minor, major, and critical. An alarm condition occurs when one or more of the failure counters exceeds a threshold level.

Rules in provisioning

Specify the alarm threshold for the utility line card diagnostic failure flag. The default value of 100 150 200 represents a minor alarm threshold of 100 failures. The default value of 100 150 200 represents a major alarm threshold of 150 failures. The default value of 100 150 200 represents a critical alarm threshold of 200 failures.

Range information

Minimum	Maximum	Default
0 0 0	32767 32767 32767	100 150 200

Activation

Use the ALMSTAT command at the LTP MAP level to modify this parameter. When you use the ALMSTAT command to modify the value, the system updates all current alarms to reflect the failures with the new values.

Dependencies

Does not apply

Consequences

Does not apply

UDIAGALARM (end)

Verification

Does not apply

Memory requirements

This parameter requires 1 word of memory.

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

BCS19

This parameter was introduced in BCS19.

VALIDATE_ACCT_AT_DMS250

Parameter name

Validate Account At DMS-250

Functional description

This parameter indicates where to validate the account code when the authorization code was validated in-switch.

Provisioning rules

None

Range information

The range of values for this parameter is Y or N.

If set to Y, the account code is validated in-switch if the authcode associated with the call was validated in-switch.

This parameter should always be set to Y for UCS customers.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

Not applicable

Memory requirements

Each unit requires one word of memory.

VALIDATE_ACCT_AT_DMS250 (end)

Dump and restore rules

Copy the existing value of this parameter or consult Nortel Customer Engineering.

VER_2_BILL_FLEXTYPE

Parameter name

Version 2 (VER 2) Billing Flextype

Functional description

This office parameter identifies an index into the table FLEXTYPE. The first billing number received in the Transaction Capability Application Part (TCAP) response message is stored in the Call Detail Record (CDR). Within the tuple identified by the VER_2_BILL_FLEXTYPE office parameter, the BILLFLD option determines to which CDR field the billing number is written. When the tuple identified by this office parameter does not contain the BILLFLD option, the system does not use the billing number from the TCAP response message.

Provisioning rules

Not applicable

Range information

This parameter supports a character vector of up to 16 characters. The character vector is of the same range/type as the key to the FLEXTYPE table.

Minimum	Maximum	Default
		ANI

Activation

Immediate

Dependencies

Not applicable

Consequences

Not applicable

Verification

The steps for verification of this parameter are as follows:

- Ensure VER_2_BILL_FLEXTYPE is set to "ANI."

- Ensure that the FLEXTYPE tuple, with a key of "ANI", has the BILLFLD option provisioned to a valid CDR field.

VER_2_BILL_FLEXTYPE (end)

- Establish an N00 call which receives a TCAP response with a valid routing number parameter and billing number parameter.

- Verify that the billing number received in the TCAP response message is written to the field in the CDR identified by the BILLFLD option in the FLEXTYPE tuple with a key of ANI.

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

No dump and restore is needed.

Parameter history

UCS06

This parameter was introduced in UCS06.

VER_2_BILL_INDIC_AVAIL

Parameter name

Version 2 (VER2) Billing Indicator Availability

Functional description

VER_2_BILL_INDIC_AVAIL identifies if a Transaction Capability Application Part (TCAP) billing indicator parameter can be properly decoded when received for the N00 TCAP application.

Provisioning rules

Not applicable

Range information

The range of values is Y or N.

If this parameter is set to Y, then the TCAP parameter can be decoded as specified. If this parameter is set to N, then the TCAP billing indicator parameter is ignored by the UCS DMS-250 switch.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

While no specific datafills are needed to set this parameter, the following dependency exists on office parameter VER_2_N00_TCAP:

- When VER_2_N00_TCAP equals N, the TCAP messages are decoded according to VER1 format. In VER1 format, the billing indicator parameter is always decoded, meaning that the value of VER_2_BILL_INDIC_AVAIL is irrelevant.

- When VER_2_N00_TCAP equals Y, the TCAP messages are decoded according to VER2 format, and office parameter VER_2_BILL_INDIC_AVAIL identifies if a received billing indicator parameter can be properly decoded.

Consequences

Not applicable

VER_2_BILL_INDIC_AVAIL (end)

Verification

To verify VER_2_BILL_INDIC_AVAIL, do the following:

1. Set office parameter VER_2_N00_TCAP to Y.

2. Set office parameter VER_2_BILL_INDIC_AVAIL to N.

3. Perform an N00 call.

4. Let the response be a routing number parameter with a billing indicator parameter.

5. Verify that the UCS DMS-250 switch ignores the billing indicator parameter.

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

Parameter history
UCS05

This parameter was introduced in UCS05.

VER_2_DECODE_INTL_NUM

Parameter name

Version 2 (VER2) Decoding an International Number

Functional description

VER_2_DECODE_INTL_NUM identifies if the nature of number field or the numbering plan field is used to identify international numbers in a returned Transaction Capability Application Part (TCAP) digits parameter for the N00 TCAP application.

Provisioning rules

Not applicable

Range information

The range of values is AS_1988 or AS_1992.

AS_1988 means that the numbering plan field is used. AS_1992 means that the nature of number field is used.

Minimum	Maximum	Default
		AS_1988

Activation

Immediate

Dependencies

While no specific datafills are needed to set this parameter, the following dependency exists on office parameter VER_2_N00_TCAP:

- When VER_2_N00_TCAP equals N, the TCAP messages are decoded according to VER1 format, and international numbers will be identified as was done prior to this feature.

- When VER_2_N00_TCAP equals Y, the TCAP messages are decoded according to VER2 format, and office parameter VER_2_DECODE_INTL_NUM identifies which field identifies international numbers.

Consequences

Not applicable

VER_2_DECODE_INTL_NUM (end)

Verification

To verify VER_2_DECODE_INTL_NUM, do the following:

1. Set office parameter VER_2_N00_TCAP to Y.

2. Set office parameter VER_2_DECODE_INTL_NUM to 1988.

3. Perform an N00 call.

4. Let the response be a routing number parameter.

5. Verify that the identification of an international number is according to the numbering plan field.

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

Parameter history

UCS05

This parameter was introduced in UCS05.

VER_2_N00_PASSTHRU

Parameter name

Version 2 (VER2) Service Access Calls Passthru

Functional description

This office parameter will enable the UCS DMS-250 switch to route N00 calls, on request form SCP, to a UCS DMS-250 switch according to a specific route contained in the office parameter.

Provisioning rules

Not applicable

Range information

This parameter supports three route selectors: S, T, and VACT.

- The S selector has a further refinement to define the CLLI for the call.

- The T selector has a further refinement to define the office route for the call. All of the current UCS DMS-250 switch routing selectors are supported in the office route tables, including TRMT which routes the call to the treatment specified in the route.

- The VACT selector indicates the call receives vacant code treatment.

Minimum	Maximum	Default
		VACT

Activation

Immediate

Dependencies

There is no specific datafill needed in order to set this parameter, yet there is a dependency on office parameter VER_2_N00_TCAP as follows:

- If VER_2_N00_TCAP is set to N, the TCAP messages are decoded according to VER1 format. The FEATURES BYTES parameter will not be decoded, so this parameter will never be checked.

- If VER_2_N00_TCAP is set to Y, the TCAP messages are decoded according to VER2 format, and the passthru feature is activated according to the VER_2_N00_PASSTHRU office parameter.

VER_2_N00_PASSTHRU (end)

Consequences

Not applicable

Verification

To verify VER_2_N00_Passthru, do the following:

1. Set office parameter VER_2_N00_TCAP to Y.

2. Set office parameter VER_2_N00_PASSTHRU to VACT.

3. Perform an N00 call.

4. Let the response be a feature bytes parameter with the passthru bit set.

5. Verify that the call terminates to treatment VACT.

Memory requirements

This parameter requires two words of memory.

Dump and restore rules

No dump and restore is needed.

Parameter history

UCS05

This parameter was introduced in UCS05.

VER_2_N00_TCAP

Parameter name

Version 2 (VER2) Service Access Calls (700, 800, and 900 (N00)) Transaction Capability Application Part (TCAP)

Functional description

VER_2_N00_TCAP enables the encoding/decoding of the VER_2_N00_TCAP query and response messages. When the value of this parameter is set to Y, the messages will be encoded/decoded according to the VER2 format. Otherwise, the messages will be encoded/decoded according to the Version 1 format.

Provisioning rules

Not applicable

Range information

The range of values is Y or N.

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

To be able to set office parameter VER_2_N00_TCAP to Y, the office parameter N00_ENHANCED_GLOBAL_TITLE must be set to Y.

Consequences

Not applicable

Verification

To verify VER_2_N00_TCAP do the following:

1. Set office parameter VER_2_N00_TCAP to Y.

2. Perform an N00 call.

3. Verify that the message encoding follows the VER2 format.

VER_2_N00_TCAP (end)

Memory requirements

This parameter requires one word of memory.

Dump and restore rules

Not applicable

Parameter history

UCS05

This parameter was introduced in UCS05.

XBARCAB1

Parameter name

XBAR Overflow Trunk Common Language Location Identifier 1

Functional description

A DMS-300 switch requires this parameter. This parameter specifies the Common Language Location Identifier (CLLI) of the overflow trunk. This trunk handles non-satellite calls that overflow from the DMS or X-Bar switch. These calls were non-satellite when the calls entered the DMS or X-Bar switch.

The overflow trunk group must be a No.5 trunk group. You must mark the overflow trunk group as a non-satellite trunk or it must appear in table SATOVER.

Rules in provisioning

Specify the CLLI of the overflow trunk that handles non-satellite calls that overflow from the DMS or X-Bar switch. These calls were non-satellite when the calls entered the DMS or X-Bar switch.

Range information

Minimum	Maximum	Default
		DUMPANDRESTORE

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

XBARCAB1 (end)

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

CSP03

The warm restart activation requirement was removed in CSP03.

BCS15

This parameter was introduced in BCS15.

XBARCAB2

Parameter name

XBAR Common Language Overflow Trunk Location Identifier 2

Functional description

A DMS-300 switch requires this parameter. This parameter specifies the Common Language Location Identifier (CLLI) of the overflow trunk. This trunk handles calls that overflow from the DMS or X-Bar switch. These calls were non-satellite when the calls entered the DMS or X-Bar switch.

The overflow trunk group must be a No.5 trunk group. The overflow trunk group must be marked as a non-satellite trunk or appear in table SATOVER.

Rules in provisioning

Specify the CLLI of the overflow trunk that handles calls that overflow from the DMS or X-Bar switch that are non-satellite. Calls are non-satellite when the system enters the call on the DMS or X-Bar switch.

Range information

Minimum	Maximum	Default
		DUMPANDRESTORE

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

XBARCAB2 (end)

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

CSP03

This parameter was removed in CSP03.

BCS15

This parameter was introduced in BCS15.

XBARSAT1

Parameter name

XBAR Overflow Trunk Common Language Location Identifier 1

Functional description

A DMS-300 switch requires this parameter. This parameter specifies the Common Language Location Identifier (CLLI) of the overflow trunk. This trunk handles calls that overflow from the DMS or X-Bar switch. These calls are satellite when the calls enter the DMS or X-Bar switch.

The overflow trunk group must be a No.5 trunk group. The overflow trunk group must be marked as a non-satellite trunk or appear in table SATOVER.

Rules in provisioning

Specify the CLLI of the overflow trunk that handles satellite calls that overflow from the DMS or X-Bar switch. Calls are satellite when the system enters the call on the DMS or X-Bar switch.

Range information

Minimum	Maximum	Default
		DUMPANDRESTORE

Activation

Does not apply

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

XBARSAT1 (end)

Dump and restore rules

Copy the current value of this parameter when you perform a dump and restore.

Parameter history

CSP03

This parameter was removed in CSP03.

BCS15

This parameter was introduced in BCS15.

XBARSAT2

Parameter name

XBAR Overflow Trunk Common Language Location Identifier 2

Functional description

The DMS-300 switch requires this parameter. This parameter specifies the common language location identifier (CLLI) of the overflow trunk. The overflow trunk handles calls that overflow from the DMS or X-Bar switch. These overflow calls were satellite when the calls entered the DMS or X-Bar switch.

The overflow trunk group must be a No.5 trunk group. The overflow trunk group must be marked as a non-satellite trunk or appear in table SATOVER.

Rules in provisioning

Specify the CLLI of the overflow trunk that handles calls that overflow from the DMS or X-Bar switch. The DMS or X-Bar switch calls were satellite when the calls entered the DMS or X-Bar switch.

Range information

Minimum	Maximum	Default
		DUMPANDRESTORE

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

XBARSAT2 (end)

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

Parameter history

CSP03

Warm restart activation requirement was removed in CSP03.

BCS15

This parameter was introduced in BCS15.

XID_DESTINATION_ID

Parameter name

X.25 Destination Identifier

Functional description

This parameter provides a mechanism for the operating company to define the exchange identification (ID). The system uses the X.25 link(s) to send the exchange ID.

Rules in provisioning

Specify the exchange ID for the system to send.

The exchange ID identifies the type of switch and the destination of the ID. The destination ID is a code that is three to nine characters in length. The destination ID identifies the switching unit to which a data link connects.

Range information

Minimum	Maximum	Default
		XID

Activation

Immediate

Dependencies

Does not apply

Consequences

Does not apply

Verification

Does not apply

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

XPMMSGOC_OM_CONTROL

Parameter name

XPMMSGOC_OM_CONTROL

Functional description

XPMMSGOC_OM_CONTROL controls the on and off function of the Extended Peripheral Module Messaging Occupancy (XPMMSGOC) operational measurement.

Provisioning rules

None

Range information

Minimum	Maximum	Default
Y/N	Y/N	Y (Yes)

Activation

Immediate

Dependencies

OFCVAR

Consequences

If the customer enters a value other than Y (Yes) or N (No), a standard error string appears.

Verification

The customer can check XPMMSGOC is working using one of the following methods:

- Enter the OMSHOW XPMMSGOC ACTIVE command. Observe the data.

- Go to PMDEBUG in the Extended Peripheral Module (XPM) active unit. Enter the OMU (Operational Measurements Unsolicited) level and type ST (status).

Memory requirements

No memory impact.

XPMMSGOC_OM_CONTROL (end)

Dump and restore rules

None

Parameter history

XPMMSGOC_OM_CONTROL was introduced in TL10.

XPMOCC_OM_CONTROL

Parameter name

XMS-based Peripheral Module Central Processing Unit Occupancy
Operational Measurement Control

Functional description

This parameter activates or deactivates the polling of information by
operational measurement (OM) group XPMOCC. Operational measurement
(OM) group XPMOCC is an XMS-based peripheral module central processing
unit occupancy.

Refer to the *Operational Measurements Reference Manual* for more
information about OM group XPMOCC.

Rules in provisioning

Set the value of this parameter to Y (yes). This setting activates information
polling by OM group XPMOCC.

Leave this parameter value at the default of N (no) if you do not require
information gathered by OM group XPMOCC.

Range information

Minimum	Maximum	Default
		N

Activation

Immediate.

Dependencies

Does not apply

Consequences

Leave the value of this parameter at the default value of N until you add feature
AF5585 (XPM Resource Monitoring OM). If you set the value to Y before
this software is available, OM group XPMOCC does not gather information.

Verification

When you set the value of this parameter to Y (yes), use one of the following methods to verify the functionality of this parameter at a MAP terminal:

- Enter the command OMSHOW XPMOCC ACTIVE. Observe the data that appears.

- Use the command PMDEBUG to connect to the active unit of the XPM. Type ST (status) at the OMU level of the MAP terminal. Verify that item 14 shows a status of ACTIVE.

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

Parameter history

CSP02

This parameter was introduced in CSP02.

XPMOVLD_OM_CONTROL

Parameter name

XMS-based Peripheral Module Overload Operational Measurement Control

Functional description

Use this parameter to activate or deactivate information polling by operational measurement (OM) group XPMOVLD. The XPMOVLD is XMS-based peripheral module overload.

Refer to the *Operational Measurements Reference Manual* for more information about OM group XPMOVLD.

Rules in provisioning

Set the value of this parameter to Y (yes). This setting activates information polling by OM group XPMOVLD.

Leave the parameter value at the default of N (no) if you do not require information that OM group XPMOVLD gathers.

Range information

Minimum	Maximum	Default
		N

Activation

Immediate

Dependencies

Does not apply

Consequences

Leave the value of this parameter at the default value of N until you add feature AF5585 (XPM Resource Monitoring OM). If you set the value to Y before this software is available, OM group XPMOVLD does not gather information.

Verification

Set the value of this parameter to Y (yes). Use one of the following methods to verify the functionality of this parameter at a MAP terminal:

- Enter the command OMSHOW XPMOVLD ACTIVE. Observe the data that appears.

- Use the command PMDEBUG to connect to the active unit of the XPM. Type ST (status) at the OMU level of the MAP terminal. Verify that item 15 shows a status of ACTIVE.

Memory requirements

This parameter does not impact memory.

Dump and restore rules

Copy the current value of the parameter when you perform a dump and restore.

Parameter history

CSP02

This parameter was introduced in CSP02.

3 Ordering information

Introduction

Use the following table for ordering Nortel Networks NTPs (Northern Telecom Publications) and Product Computing-Module Loads (PCLs):

Table 3-1

Type of product	Source	Phone	Cost
Technical documents (paper or CD-ROM)	Nortel Networks Product Documentation	1-877-662-5669 From the menu choose options1; 3; 1	Yes
Individual NTPs (paper)	Merchandising Order Service	1-800-347-4850	Yes
Marketing documents	Sales and Marketing Information Center (SMIC)	1-800-4NORTEL(1-800-466-7835)	No
PCL software	Nortel Networks	Consult your Nortel Networks sales representative	Yes

When ordering publications on CD

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