

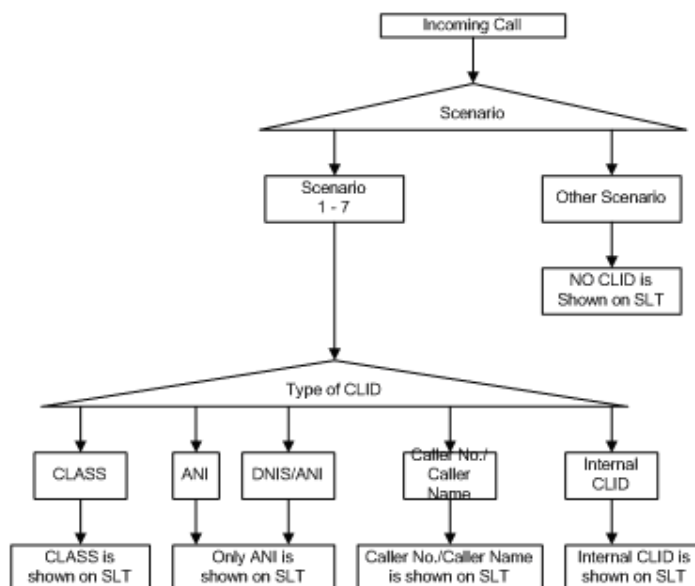
SLT Internal Caller ID Enhancement!

Toshiba is proud to announce new functionality to enable internal Caller ID (Caller Name + Number) to single line telephones. This new feature is provided via new CIX central software and the current BSTCIU cards. Currently, SLT stations can only receive Caller ID from an external CO line.

The SLT Caller ID enhancement feature will provide caller ID information on the following case scenarios:

Scenario 1	The internal call directly comes to the destination SLT while on IDLE status
Scenario 2	The internal call comes directly to the destination SLT that is on Busy-status
Scenario 3	The ring transferred call comes to the destination SLT with IDLE status
Scenario 4	The Ring transferred call comes to the destination SLT with Busy-status
Scenario 5	The internal call directly comes to the destination SLT with DND-status
Scenario 6	The Ring transferred call comes to the destination SLT with DND-status
Scenario 7	The internal call is call-forwarded to the destination SLT with Idle-status

Operation Flowchart



BSTCIU

In order to take advantage of the internal caller ID enhancement, the BSTCIU card must be used. The BSTCIU card either (BSTCIU1A/BSTCIU2A) is the only analog station interface card that can display caller ID on an SLT by FSK signaling transmission. The BSTCIU card is compatible with CIX system software R4.1 or later.

BSTCIU Specifications

- Number of circuits: 8 (Each circuit is REN3.0B)
- Hook status detection: Same as the BSTU
- Hooking detection: Same as the BSTU
- DP signaling detection: 10 pps, 20 pps
- Provide ring signaling to SLT
- FSK signaling transmission
 - Reference standard:
 - Telecordia GR-30-CORE (US)
 - TIA/EIA-777-A (US)
 - BELL CANADA ID-0001/0008/0012 (Canada)
 - Support message type
 - Type-1 message with ringing signal for CLID display
 - Type-1 message without ringing signal for VMWI
 - Type-2 message for Call Waiting display
- Message Waiting by relay control: Same as the BSTU
- Data transmission through New Data Highway
- Watch Dog Timer: 200ms

Installation

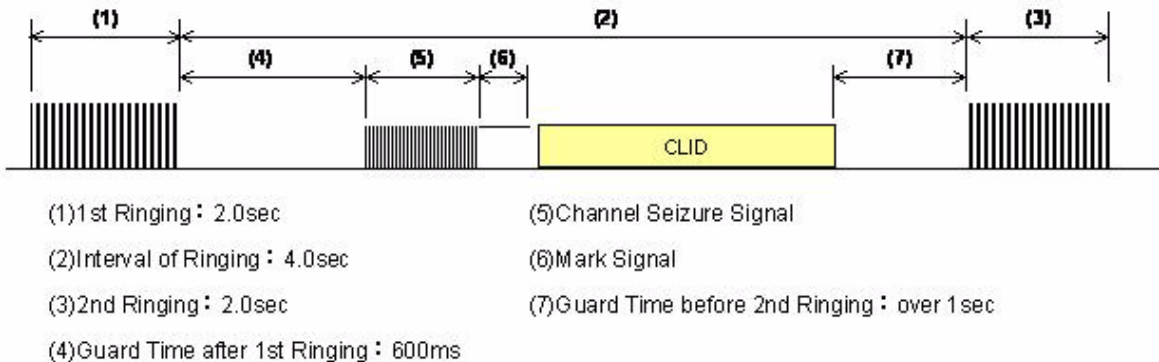
The BSTCIU card can be recognized automatically when the CIX central processor starts up. If the BSTCIU is installed into S101 of a CIX100, CIX670 or CIX1200, the BSTCIU will automatically be recognized as a BDKU card when the central processor starts up. If the BSTCIU is installed into slot S101 of a CIX200, the BSTCIU will automatically be recognized as an LIPU-X.

The BSTCIU can be installed in the any of the slots listed below.

- CIX100: Base cabinet slots 01 ~ 08
- CIX200: Base cabinet slots 01 ~ 03, Expansion cabinet slots 01 ~ 04
- CIX670 and CIX1200: Base cabinet 01 ~ 08, Expansion cabinet slots 01 ~ 10

FSK Message Transmission

Type-1 message with ringing signal (for CLID display)

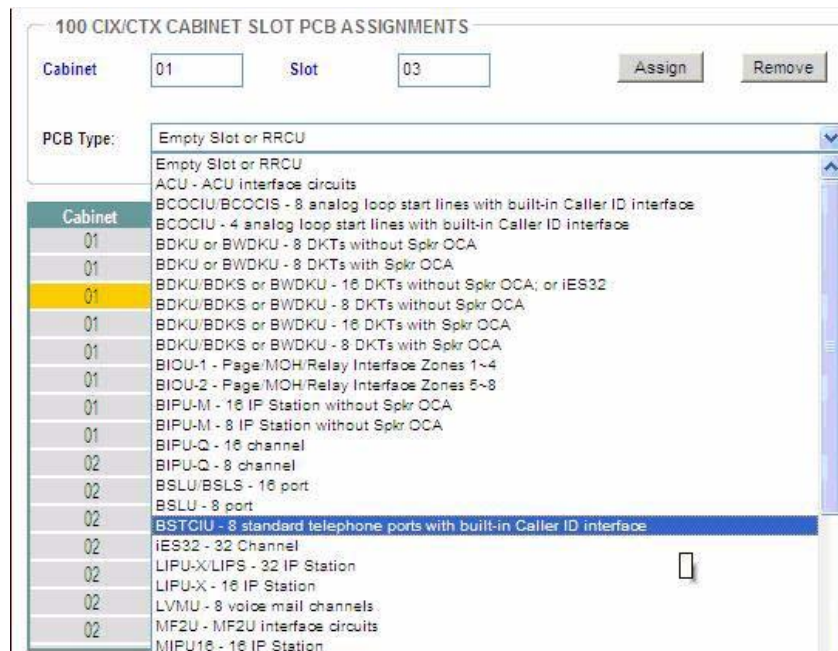


This message is transmitted to display "Caller Identification" when an incoming call arrives at the SLT. CLID is usually displayed on SLT during the 2nd Ringing period. Therefore, it can take about six seconds for the CLID to display on SLT.

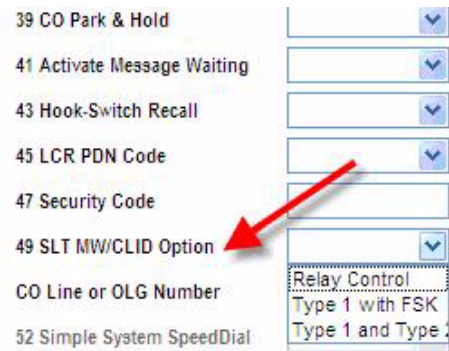
Note If the SLT answers an incoming call before the second ring (refer to diagram above), the CLID will NOT be displayed correctly.

Programming

1. Program the BSTCIU in Program 100 as shown below.



2. New Station Type is for SLT is provided in Prog. 200 FK49 as shown below. FK49 must be set for option 3 (Type 1 and Type 2).



39 CO Park & Hold

41 Activate Message Waiting

43 Hook-Switch Recall

45 LCR PDN Code

47 Security Code

49 SLT MW/CLID Option

CO Line or OLG Number

52 Simple System SpeedDial

Relay Control

Type 1 with FSK

Type 1 and Type 2

System Requirements

Strata CIX Systems	CIX100, CIX200, CIX670, CIX1200
Strata CIX Processor version	R520MT037 or later
Network eManager	R520B10 or later
Analog Station Card with Caller ID (8-ports)	BSTCIU1A/BSTCIU2A

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