ISDN Line Ordering and Configuration Parameters (3/96)

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TOPIC -------------------------------------------------------------

This article describes ISDN ordering and configuration parameters for QuickTime
Conferencing H.320/ISDN products when used with United States telephone lines.


DISCUSSION --------------------------------------------------------

This is a summary of the types of ISDN lines supported by phone companies. All
Apple QuickTime Conferencing H.320/ISDN products work with all ISDN switch types
(AT&T, Northern Telecom, and Siemens). The ISDN lines offered by your telephone
company may differ from region to region. If you are given the choice of line
types, order the National ISDN-1 or NI-1 configuration.

Follow the guidelines below when ordering the specific type of line you choose.
You may want to copy the guidelines and fax them to your ISDN service provider
to expedite the ordering process.


Begin_Table


National ISDN-1 (NI-1)
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Service Type:

• Choose Circuit-Switched Data (CSD) on the first B-channel.

• Choose Circuit-Switched Data/Voice (CSD/V) on the second B-channel.

Maximum Number Of B Channels:    2
TEI Assignment:                  Dynamic
Packet Mode:                     No
Number Of Call Appearances:      1 if you choose CSD/V; otherwise none
Terminal Type:                   A (basic call terminal)
Protocol Version Control (PVC):  2 (on Northern Telecom lines only)
EKTS:                            No requirement
Service Profile Identification
Numbers (SPIDs):                 2 (one per B-channel)


Make sure you receive the correct Service Profile Identification Numbers (SPIDs)
with your ISDN line. Also make sure your ISDN provider informs you which B
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Channel has voice capabilities.

Optional: Order Call Forwarding Busy for both B channels if you have ordered an ISDN line with 2 Directory (Telephone) Numbers. This will forward a call to an open B channel if the called B channel is in us.

NOTE: For 5ESS National Internet (NI-1) lines it is possible to order a NI-1 ISDN line with only one Directory Number. This circumvents the issue of having to forward calls to an unused B channel. For Northern Telecom DMS-100 ISDN lines (both NI-1 and Custom) you must have two Directory Numbers, therefore the call forwarding option is desired.

AT&T Custom 5ESS (5E6, 5E7, 5E8, and 5E9)

Service Type:

• Choose Circuit-Switched Data (CSD) on the first B-channel.

• Choose Circuit-Switched Data/Voice (CSD/V) on the second B-channel.

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Maximum Number Of B Channels:     2
Line Configuration:               Point-to-point
TEI Assignment:                   Dynamic
Packet Mode:                      No
Number Of Call Appearances:       1 if you choose CSD/V; otherwise none
Terminal Type:                    D if you choose CSD/V; otherwise A (basic
                                    call terminal)
Bearer Service Restrictions:      None (DMD on both channels)
EKTS:                             No requirement
One Touch:                        No
Auto-Hold:                        No
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NOTE: The information in this section is for custom 5ESS lines only. If you can order a 5ESS line that is configured to the National ISDN-1 standard, please refer to the guidelines for setting up a National ISDN-1 line above.

Northern Telecom DMS Custom (With BCS-33 Through BCS-36)

Service Type:

• Choose Circuit-Switched Data (CSD) on the first B-channel.

• Choose Circuit-Switched Data/Voice (CSD/V) on the second B-channel.

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Telephone Numbers:                2 (with SPIDs)
TEI Assignment:                   Dynamic
Terminal Type:                    A (basic call terminal)
Bearer Service Restrictions:      None
Ringer Indicator:                 Yes
EKTS:                             No requirement
Authorized Call Types:            CMD
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MXK:                        Not applicable, or default
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Make sure you receive the correct Service Profile Identification Numbers (SPIDs) with your ISDN line. Also make sure your ISDN provider informs you which B Channel has voice capabilities.

End_Table

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