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You can read the recommendations in the user guide, the technical guide or the installation guide for NEC DS2000 TO DSX-80. You'll find the answers to all your questions on the NEC DS2000 TO DSX-80 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual NEC DS2000 TO DSX-80
User guide NEC DS2000 TO DSX-80
Operating instructions NEC DS2000 TO DSX-80
Instructions for use NEC DS2000 TO DSX-80
Instruction manual NEC DS2000 TO DSX-80

Empowered by Innovation **NEC**

Important
DS-Series data bases are not compatible with DSX.

Upgrading
Parts List
Cross-Reference

DSX

Upgrading DS2000
to DSX-80/160

P/N 1093077
Rev 2, June 2006
Printed in U.S.A.
11/06/06



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Manual abstract:

Cross Reference Upgrading DS2000 to DSX-80/160 P/N 1093077 Rev 2, June 2006 Printed in U.S.A. 01.00.00 This manual has been developed by NEC Unified Solutions, Inc. It is intended for the use of its customers and service personnel, and should be read in its entirety before attempting to install or program the system. Any comments or suggestions for improving this manual would be appreciated. Forward your remarks to: NEC Unified Solutions, Inc. 4 Forest Parkway Shelton, CT 06484 www.

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Upgrading Overview Overview DS2000 and DSX-80/160 Compatibility Basics When upgrading DS2000 to DSX-80/160, much of the DS2000 station
equipment is compatible with the new DSX-80/160 system. This allows the customer to preserve their substantial investment in DS-Series telephones when
migrating to the DSX-80/160. Here are some basic upgrade guidelines: 1.

The DS2000 4-slot KSU is not compatible with DSX. You must replace the DS2000 4-slot KSU with a DSX-80 KSU. The FCC prohibits the use of DS KSUs
with DSX. 2. The DS2000 8-Slot KSU is not compatible with DSX. You must replace the DS2000 8-slot KSU with a DSX-160 KSU. The FCC prohibits the use
of DS KSUs with DSX. 3. You must install a DSX CPU Card. The DS CPU PCB cannot run DSX software.

4. You must install a DSX 16 Port Digital Station Card (16ESIU) in KSU port 1. The DSX system will not operate without a 16ESIU PCB in slot 1. 5. To use
telephone programming, you must connect at least one DSX telephone.

DSX telephones connect only to DSX 16ESIU PCBs. 6. Do not use DS2000 power supplies in DSX-80/160. You must replace all DS2000 power supplies with
DSX supplies. The FCC prohibits the use of DS power supplies with DSX.

7. DS-Series telephones must connect to DS 16DSTU PCBs. Install 16DSTU PCBs in any available KSU slot but slot 1. Upgrading DS2000 to DSX-80/160
Upgrading 1 Overview How to Use this Manual This manual is organized in two chapters as follows. Upgrading This is the chapter you are reading now. It
provides: - The compatibility basics (page 1). - A detailed compatibility chart (page 3). - The Combined System Load Factor Worksheet (page 6). - Detailed
upgrade examples (page 7). Parts Lists For your reference when upgrading, this chapter provides a complete list of parts for both the DS2000 and
DSX-80/160 systems.

Cross Reference Another important tool when upgrading, this chapter consists of a DS-Series to DSX program cross reference. The DS-Series programs are
in the left column, followed by the option description, with the corresponding DSX program in the right column. 2 Upgrading Upgrading DS2000 to
DSX-80/160 Overview Overview Upgrading DS2000 to DSX-80/160 Detailed Compatibility DS2000 to DSX-80/160 Detailed Compatibility Chart (Page 1 of
2) Description DS2000 Telephones Part Number DSX Compatible Comment 34-Button Super Display Telephone 34-Button Display Telephone 22-Button
Telephone 22-Button Display Telephone BDS Cordless Telephone 24-Button DSS Console 110-Button DSS Console 2-OPX Module (Discontinued) Digital
Door Box (Discontinued) Analog Door Box Single Line Telephones DS2000 Common Equipment 80673 80663 80570 80573 80683 80556 80555 92177A
80560 92245 - Yes Must connect to a DS2000 16DSTU PCB. Install the DS 16DSTU PCB in any DSX-80/ 160 KSU slot but slot 1. No No No Conditional Yes
Replace with DSX 60-Button DSS. OPX feature is not available in DSX. Replace with DSX Analog Door Box and 2PGDAD Module. Requires 2PGDAD
Module. Requires DSX 16SLIU PCB or DS2000 4/ 8ASTU PCB. Replace with DSX-80 KSU.

Replace with DSX-160 KSU. Replace with DSX power supply. FCC regulations prohibit the installation of DS2000 power supplies in DSX. Compatible. DSX
serial port can connect to an SMDR device using DSX Serial Adapter 1091014 and a customer provided 6-conductor line cord.

DSX serial port cannot connect to an external modem. Must use DSX built-in modem. 4 Slot KSU 8 Slot KSU Power Supply 80000 80001 80005B/C No No No
Installation Cable 8-Pin DIN to Mod-8 Cable DB9 to Mod-8 Adaptor DB25 to Mod-8 Adaptor Modem (CNET CN5614XR) 80892 80893 85980 85981
85862D Yes No No No No Upgrading DS2000 to DSX-80/160 Upgrading 3 Overview DS2000 to DSX-80/160 Detailed Compatibility Chart (Page 2 of 2)
Description PCBs Part Number DSX Compatible Comment Central Processing Unit 16DSTU Digital Station PCB 16ASTU 16 Port Analog Station PCB
80025B 80021A 80042 No Yes Conditional Replace with DSX-80/160 CPU.



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Used for DS telephones on DSX. Install in any DSX-80/160 KSU slot but slot 1.

The hardware is compatible. However, the onboard firmware must be upgraded to version 1.4 or higher. Contact Sales Support at 800365-1928 for more. DSX 16SLIU provides more stations per PCB. DSX COIU PCB provides superior Caller ID detection. T1 service only. Will not provide PRI when installed in DSX-80/160. Replace with DSX IntraMail. DS IntraMail CompactFlash card is not compatible with DSX.

Not tested for compatibility. Replace with DSX IntraMail. NVM-DFx is tested for compatibility with DSX-80/160 and is recommended. Not tested for compatibility. Replace with DSX IntraMail. 8ASTU 8 Port Analog Station PCB 4ASTU 4 Port Analog Station PCB 8ATRU 8 Port Analog Trunk PCB 4ATRU 4 Port Analog Trunk PCB TI Trunk PCB Voice Mail 80041B 80040B 80011B 80010B 80061 Yes Yes Yes Yes Conditional DS-Series IntraMail UltraMail and UltraMail 2000 80045 80089 17712 17714 17744 No No Analog Voice Mail Digital VANGARD 17770AxPDIG Conditional No 4 Upgrading Upgrading DS2000 to DSX-80/160 Combined System Load Factor Combined System Load Factor Upgrading Understanding System Load Factor The combination of lines and extensions you can connect to your DSX system may be limited by the System Load Factor. Use the Combined System Load Factor Worksheet chart on the next page to verify your system's configuration. When entering data on the chart, for each installed card make entries for each Load Type. There are two Load Types to consider: 5 VDC and 40 VDC. To check your system configuration: 1.

Indicate the quantity for each card installed in the Qty column. - The number of keysets, single line sets, and DSS Consoles does not affect the load factor. 2. For each item and for each Load Type, multiply the Qty times the Load and enter the value in the Total column. - For example, two 16ESIU Cards have a load of 16 for 5 VDC and 40 for 40 VDC.

3. Add up the entries in each Total column and enter the values in Item 1: Load Type Totals. 4. Review Item 2: Power Supply Capacity and determine the capacity of the power supplies installed in your system. 5.

Compare the capacities in Item 2 to your entries in Item 1. Item 1 must always be equal to or less than the entry in Item 2. Important Do not operate your system if the total for either Load Type exceeds the Power Supply Capacity of your installation. Upgrading DS2000 to DSX-80/160 Upgrading 5 Combined System Load Factor DS2000 and DSX-80/160 Combined System Load Factor Worksheet Load Type Description Qty Load 5 VDC Total Load 40 VDC Total DSX-80/160 CPU Card DSX-80/160 16ESIU Card DS2000 16DSTU PCB DSX-80/160 8SLIU Card DSX-80/160 16SLIU Card DS2000 4ASTU PCB DS2000 8ASTU PCB DSX-80/160 8COIU Card DSX-80/160 16COIU Card DS2000 4ATRU PCB DS2000 8ATRU PCB DSX-80/160 TI/PRI Card 1 12 8 3 5 10 3 5 3 6 4 8 8 12 0 20 20 8 16 5 8 0 0 0 0 0 0 Item 1: Load Type Totals (Cannot exceed Item 2: Power Supply Capacity.) Item 2: Power Supply Capacity If you have one power supply installed, the capacity is: If you have two power supplies installed, the capacity is: If you have three power supplies installed, the capacity is: Notes: 5 VDC = 40 5 VDC = 80 5 VDC = 120 40 VDC = 48 40 VDC = 80 40 VDC = 120 DSX-80 can only have 1 power supply. DSX-160 can have up to 3 power supplies. You cannot have more than two 16ESIU or 16DSTU Cards per power supply, regardless of System Load Factor calculations.

Exceeding the allowed Load Type Total (Item 1) will cause the system's power supplies to automatically shut down and/or cause erratic system operation. The total of all station, line, and DSS Console ports cannot exceed 160. 6 Upgrading Upgrading DS2000 to DSX-80/160 Upgrade Examples Upgrade Examples Upgrading Site 1: Upgrade DS2000 4x8 to DSX-80 4x8 with Automated Attendant Site 1 wants to upgrade to DSX 22-button telephones and add an Automated Attendant, but does not require voice mail.

Existing DS2000 Equipment Description Part Number Description Upgrade Requirements for DSX Part Number Comments (1) DS 4ATRU PCB 80010B Compatible - replacement not required. DSX 16COIU PCBs provide more accurate Caller ID detection. @@DS telephones can however, be used if DS 16DSTU is installed. DS KSUs are prohibited by FCC in DSX DS power supplies are prohibumber Comments (2) DS 8ATRU PCB 80011B Compatible - replacement not required. DSX 16COIU PCBs provide more accurate Caller ID detection. Cannot be installed in DSX KSU slot 1. That slot is reserved for a DSX 16ESIU card. Requires DS 16DSTU PCB in any DSX KSU slot but slot 1. Requires DS 16DSTU PCB in any DSX KSU slot but slot 1. DS KSUs are prohibited by FCC in DSX.

DS power supplies are prohibited by FCC in DSX. @@Compatible - replacement not required. Must be replaced. Must be replaced. Must be replaced. @@Required in DSX. Two required due to Load Factor. Required in DSX. IntraMail CompactFlash Card plugs into DSX CPU. . . Required in DSX. @@@@That slot is reserved for a DSX 16ESIU card. Requires DS 16DSTU PCB in any DSX KSU slot but slot 1. Requires DS 16DSTU PCB in any DSX KSU slot but slot 1. DS KSUs are prohibited by FCC in DSX. DS power supplies are prohibited by FCC in DSX. The DS CPU is not compatible with DSX. DS IntraMail does not work in DSX. @@Compatible - replacement not required. Must be replaced. Must be replaced.

Must be replaced. Must be replaced. Must be replaced. @@Required in DSX. Three required due to Load Factor. Required in DSX. IntraMail CompactFlash Card plugs into DSX CPU. Required for PRI. . . Required in DSX. @@@@.

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. Barge-in (intrusion) . . .

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. Camp-On to Busy Extension.

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. Internal Call Forwarding

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. System Speed Dial Access

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..... *Extended Ring*

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..... *Privacy*

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.....
..... *Trunk (Line) Queuing Priority* ..

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..... *Forced Trunk Disconnect*

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..... *Camp-On to Busy Line*

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..... *Initiate All Call Page*

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..... *Access Page Zone 1*

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..... *Access Page Zone 2*

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..... *Access Page Zone 3*

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..... *Access Page Zone 4* ..

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..... *Access Page Zone 5* ..

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..... *Access Page Zone 6*

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Access Page Zone 7.....

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Silent Monitor.....

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Flash for Single Line Sets.....
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ACD Supervisor.....
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Single Ring for Single Line Sets...
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Activate Night Mode....
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Direct Trunk Access..
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.. *Remote Call Forwarding/Alternate Attendant Soft Keys* ...

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.... *Conversation Record*

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..... *CLID Display* ...

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..... *2nd Call CLID (Extension Level Call Waiting Caller ID)* *3rd Party Caller ID* .

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... *CLID Display Separator* ...

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... *Forced Account Codes* .

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Verify Account Codes

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.. *Forced Account Codes for Toll Calls Only* ...

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... *Ring Type Configuration*

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... *Extension Ring Override*

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... *Key Ring Override*

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..... *SLT Special Dial Tone* ...

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..... *SLT High Voltage Message Waiting* .

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SLT FSK Message Waiting

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.....
SLT Loop Disconnect ..

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Enhanced LND

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Day Walking Class of Service ...

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... *Night Walking Class of Service*

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Extension Locking ...

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.. *DND Override*

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Unsupervised Conference

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Allow DID Calls .

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DID Camp On

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... *Outgoing ANI Privacy*

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Caller ID Alert Lamp

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Allow Name Programming ..

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..... *Allow Language Programming*

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..... *Call Screening*

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..... *Handsfree Reply on Intercom Calls*

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..... *Voice Announced Intercom Calls*

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.....
..... *Automatic Handsfree*

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..... *Music On Hold*

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..... *MOH on Transfer*

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.....
..... *Background Music*

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.....
..... *Enable Account Codes in Speed Dial*

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..... *# Key to Enter Account Codes*

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..... *Account Code Toll Level*

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..... *View Account Codes*

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.... Name Format.

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... CPRU Relay CPRU Relay Page Zone Assignment Door1 Relay

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.. Door1 Relay Page Zone Assignment Door2 Relay

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..... Door Chime Over External Page..

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.. Page Ring Volume

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..... External Page Ring Source (Type?) ...

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... Extension ...

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. Operator 1 Extension. ...

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.... Operator 2 Extension.

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.. Operator 3 Extension. ...

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Operator 4 Extension.....
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.....
... Number of Digits in a System Speed Dial Code.....
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..... A-Law Companding CPU Baud Rate.....
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.. Fixed Baud Rate Modem Installed SMDR Port...
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.. Print SMDR Header.....
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..... SMDR Language.....
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.....
..... Company Phone Number.....
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..... System Type.....
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..... Software Version.....
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Time.....
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..... *Date*

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.. *Daylight Savings Time Adjustment*

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.... *Time and Date Format*

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. *0401 System Timers Park Recall*

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..... *Modem Reserve Transfer Recall*

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... *Intercom Inter-digit*

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..... *Meet-Me Conference*

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..... *Dialing Pause*

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.... *Page Duration*

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..... *Door Unlock*

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..... *DIL No Answer*

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... *Trunk Revert* ..

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.....
. DP Make Timer
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.....
... DP Break Timer.

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.....
DP Interdigit Timer
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. . . . Manual DTMF Tone On
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. . . . Manual DTMF Tone Off
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. . . . Speed Dial DTMF Tone On
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. Speed Dial DTMF Tone Off
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..... Loop Current Detection Time
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... Far End Disconnect

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.....
..... Minimum Single Ring Detection Timer

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.....
. Minimum Double Ring Detection Off Timer

Maximum Double Ring Detection Off Timer
... Ringing Signal End Detect Timer
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..... Caller ID Detection Timer
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..... Ground Start Timer

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Pause Timer DP Mute Timer

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.. P.F. Recovery Detect Timer .

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..... Exclusive Hold Recall

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..... Camp-On Call Forward Ring No Answer ...

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.. Call Waiting Tone Interval Call Coverage Delay

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..... Hoof Flash Transfer Hook Flash Disconnect Number of Extended Rings

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. Ringing Frequency Minimum Break Time

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... Maximum Break Time

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.... Minimum Make Time

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..... Maximum Make Time

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..... *Minimum Hookflash Time* ..

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..... *Maximum Hookflash Time*

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.... *Minimum Ground Flash Time Minimum Off-Hook Time*

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... *Off-Hook Guard Time*

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.... *1621-08 Loop Disconnect Time*

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..... *1622-01 Ring/MW Wait Period Time*

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.. *1622-02 0405 T1/E1 Trunk Timers Loop Detection Time*

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..... *Pause Timer Transmit Dial Pulse Break Time*

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..... *Transmit Dial Pulse Make Time* .

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... *Transmit Dial Pulse Interdigit Time*

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.... *Receive Dial Pulse Minimum Make Time* .

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.....

..... *Receive Dial Pulse Maximum Make Time* .



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.....
. Receive Dial Pulse Minimum Break Time
.....

.. Receive Dial Pulse Maximum Break Time

.....
... Transmit Answer Time . .
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.....
.... Receive Minimum Answer Time.
.....

.....
... Receive Maximum Answer Time . .
.....

.....
..... Receive Clear Signal Time
.....

.....
.... Transmit Flash Time
.....

.....
..... Receive Flash Minimum Time . . .
.....

.....
.. Receive Flash Maximum Time
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..... @@.....
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.....
.... Single Ring Minimum Detection Time .
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.....
..... Double Ring Minimum Off Time . .
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.....
. Double Ring Maximum Off Time
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.....
.... Ring Stop Detection Time
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.....
... Transmit Wink Time
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.....
..... Receive Wink Minimum Time
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.....
. *Receive Wink Maximum Time*

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.....
. *Transmit Remove Ring Time 0407 E1 Trunk Timers Forced Release Time*

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.....
. . . . *Transmit Double Answer Time* .

.....
. . . . *Receive Double Answer Minimum Time* .

.....
. *Receive Double Answer Maximum Time*

.....
. . . *Transmit Seize Acknowledge Time* . .

.....
Receive Seize Acknowledge Minimum Time

.....
. . . . *Receive Seize Acknowledge Maximum Time*

. *Transmit Digit Acknowledge Time* . .

.....
Receive Digit Acknowledge Time Receive Digit Acknowledge Minimum Time

. . . . *Receive Digit Acknowledge Maximum Time* .

.....
. *Receive Meter Pulse Minimum Time* . .

.....
. . . *Receive Meter Pulse Maximum Time* . .

.....
. *Receive Line Block Minimum Time* . .

.....
. *Receive Line Block Recover Time* .

.....
. *Transmit Clear Signal Time*

.....
. . . *Transmit Seize Signal Time 0408 E1 MFC Timers 1651-04 1651-06 1652-09 1652-10 1651-01 1652-01 1652-02 1651-02 1652-03 1652-04 1652-07 1652-08 1652-11 1652-12 1632-05 Group A Response Time* . .

.....
. . . *1654-01 Group A Tone Complete Time* . .

.....
. . . *1654-02 DS-Series to DSX Program Cross Reference 23 Cross Reference From DS-Series to DSX DS to DSX Programming Cross Reference DS Program DS Program Description DSX Program Group B Response Time* . .

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... *Group B Tone Complete Time* ..

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..... *Group C Response Time* ..

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..... *Group C Tone Complete Time* ..

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... *Group I Signal Time*

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..... *Group I Tone Complete Time*

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.. *Group II Signal Time*

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.....

..... *Group A Pulse Time*

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..... *0501 Numbering Plan 1654-03 1654-04 1654-05 1654-06 1653-01 1653-02 1653-03 1653-04 1301-01 1301-01 1301-01 1301-01 1301-01 1301-01 1301-01 1301-01 1301-01 1301-01 Digit 0 Options* ..

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Digit 1 Options

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.. *Digit 2 Options*

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..... *Digit 3 Options* .

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..... *Digit 4 Options*

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... Digit 5 Options . .

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Digit 6 Options

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..... Digit 7 Options . . .

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..... Digit 8 Options

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. Digit 9 Options

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... Single Digit Access 0502 0503 0505 0510 Station Extension Assignments . .

.....

..... 1311-01 Trunk Extension Assignments . .

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..... 1313-01 Extension Swap Utility.

.....

..... 9031-01 ACD/UCD Master Extension Numbers and Names Group Number . .

.....

..... Hunt Group Master Number

.....

.. Overflow Destination.

.....

..... Name

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Hunt Group Ring Type

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. 0511 Ring Group Master Extension Numbers and Names 1315-01 1315-01 2302-01 2301-01 2301-02 1314-01 2201-01 1314-01 2201-02 9012-01 9012-01 3511-01 3512-04 3512-01 3512-02 3512-03 Group Number

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.....
Name

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.....
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Extension Number

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Ring Group Ring Type

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.....
0601 Configure Toll Level Options Program Toll Restriction

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Initialize Toll Restriction

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Toll Restriction Level Active Dial Pad

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.....
N11 Dialing

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.....
0+ Dialing

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.....
International (011) Dialing

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. Equal Access (101X + XXX) Dialing

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..... 0602 0603 0604 1010 + XXX Equal Access Dialing

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.... 3521-01 1 + NPA/NXX Dialing 3-Digit Table

.....

... 3531-01 1 + NPA + NXX Dialing 6-Digit Table . .

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3541-01 24 DS-Series to DSX Program Cross Reference Cross Reference From DS-Series to DSX DS to DSX Programming Cross Reference DS Program DS
Program Description DSX Program 0605 0606 0610 0801 1001 NPA/NXX Dialing 3-Digit Table

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.. 3551-01 NPA + NXX Dialing 6-Digit Table

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.. 3561-01 PBX Access Codes Table . . .

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..... 3401-01 Selectable Display Messages . . .

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..... 2501-01 Trunk Port Description Trunk Circuit Type .

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.....

... Trunk Extension Number

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.. Trunk Name

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.. Trunk Transmit Gain . . .

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Trunk Receive Gain

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.... Trunk Class of Service Assignment .

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PBX Line

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      .....
    .. Disable Forced Account Codes .....

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      .....
    .. Loop Length ...
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      .....
    ..... Trunk Toll Restriction Level ....

      .....
      .....
    ... Override Extension Toll Restriction .....

      .....
    ... Print SMDR.
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      .....
    .... Caller ID.....

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      .....
      .....

    ..... ANI/DNIS (DS2000 Only) .....
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      .....
      .....

    .... ANI Delimiter (DS2000 Only) .....
      .....
      .....

    ..... Number of ANI digits (DS2000 Only) .

      .....
      .....
    ... Voice Mail Caller ID ..
      .....

      .....
      .....
    . Dial Tone Detection. .....

      .....
      .....
      .....

    ..... EI Signaling Type (DS2000 Only) .....

      .....
      .....
    .. MFC Dialing Type (DS2000 Only)....
      .....

    ..... Enable MFC GB (DS2000 Only) .
      .....
      .....
      .....

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.....
.....
. *Day Overflow Destination*

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.....
.....
Direct Termination (Night)

.....
.....
... *Activate Overflow at Night* ..

.....
.....
. *Night Overflow Destination*

.....
... *Day Ring Type* . .

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.....
.....
. *Night Ring Type*

.....
.....
.....
..... *Delay Ring Type*

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.....
.....
.....
... *MOH Source*

.....
... *Tandem Trunk*

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.....
.....
Answer Table

.....
.....
.....
..... *Dial 9 Group (DS2000 Only)* .

.....
.....
.....
..... *Extension's Operator (DS2000 Only)*

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.....
1004 1005 3113-01 3112-01 3112-02 3112-03 3112-04 3112-05 3112-06 3113-02 3113-03 3113-04 3103-05 3103-04 3131-02 2113-01 2114-03 Line Group
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..... Line/Group/ICM..
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.....
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..... System Speed Dial Number .
.....
.....
.....
..... System Speed Dial Name.....
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..... 3714-XX Foreign Area (FPNA) Exception List Data .
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..... 3302-01 DID MFC Dialing Category.

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.... 3302-01 Programmable Function Key Assignments Undefined

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.....
Switched Loop Key

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.....

.....
.....
.... Fixed Loop Key .

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.....
.....
..... Line Key

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.....
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.....

..... Park Orbit Key .

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.....
.....
.....
..... Hotline Key

.....

..... Call Coverage Immediate Ring

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.....
.....

.....
.....
.....
..... Call Coverage No Ring

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.....
.....

.. Call Coverage Delay Ring

.....
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.....
.....
..... Group Pickup Immediate Ring

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.....

. *Group Pickup No Ring*

.....

.....

.. *Group Pickup Delay Ring* . . .

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.....

. *Page Zone Key*

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.....

.....

... *System Speed Dial Key*

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..... *Personal Speed Dial Key*

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.....

..... *Call Timer Key*

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.....

. *Voice Mail Record Key*

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.....

.. *Night Key*

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.....

... *Data Key Split Key* . .

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..... *ICM Directory Key*

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.....

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..... *ACD Log On Key Reverse Voice Over Key* .

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.....

.....

..... *Message Center Key* .

.....

.....

.....

.. Save Key

.....
.....
.....

.... Account Code Key .

.....
.....

... Call Forwarding..

.....
.....

..... Headset Key.....

.....
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..... 2121-00 2121-01 2121-02 2121-03 2121-04 2121-05 2121-06 2121-07 2121-08 2121-09 2121-10 2121-11 2121-13 2121-14 2121-15 2121-16 2121-17
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Dial Bin

.....
.....
.....

..... 2151-XX Personal Speed Dial Number

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.....

. 2151-XX Personal speed Dial Name.....

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2151-XX 1703 DSS Key Assignment Key Number

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.....

..... 2402-XX BLF Extension Assignment.

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..... 2402-XX 1704 DSS Console Key Assignment Undefined ...

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... Line Key..

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..... Data Key Split Key ..

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.....
..... ICM Directory Key
.....
.....

.....
..... ACD Log On Key Reverse Voice Over Key .
.....
.....

.....
..... Message Center Key .
.....
.....

.....
.....
..... Save Key ...
.....

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.....
..... Account Code Key .
.....

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.....
..... Call Forwarding.....
.....
.....

.....
..... Headset Key.
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1705 1801 2402-00 2402-03 2402-04 2402-05 2402-06 2402-07 2402-08 2402-09 2402-10 2402-11 2402-13 2402-14 2402-15 2402-17 2402-18 2402-20
2402-21 2402-23 2402-24 2402-25 2402-26 2402-27 2402-28 Cross Reference Soft Key Configuration

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.....
..... 2124-XX Extension Port Description Extension Circuit Type ...
.....

.....
.....
..... Extension Numbering ..
.....
.....

.....
.....
Extension Name

.....
.....
.....
..... DSS Type.....

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.....
.....
..... DSS Block Number Door Chime ..

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.....
.....
... Relay Owner ..

.....
.....
..... Extension Class of Service Assignment ...

.....
.....
Extension Toll Level Day

.....
.... Extension Toll Level Night .

.....
.. Access Level ...

.....
.....
. DID Station Intercept Destination

.....
.... DID Station Intercept .

.....
.....
. 2101-01 1311-01 2101-02 1202-01 2101-04 2101-06 2102-01 2102-02 2102-03 2102-04 2115-02 2115-02 DS-Series to DSX Program Cross Reference 27
Cross Reference From DS-Series to DSX DS to DSX Programming Cross Reference DS Program DS Program Description DSX Program 1802 Extension
Options (Part 1) Do Not Disturb

.....
.....
.....
... Ring Group Number

.....

.....
.....
..... *Call Pickup Group Number*

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.....
.....
..... *Privacy Release Group*

.....
.....
.....
..... *Off-Hook Signaling for Intercom Calls*.



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.....

.....
..... *Off-Hook Signaling for CO Calls* .

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..... *Handsfree Reply on Intercom Calls* . . .

.....
.....

..... *Automatic Handsfree* . .

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.....
.....

. *Busy Lamp Field*

.....
.....
.....

..... *Line Dial Up* . . .

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.....
.....
..... *Station's Dial 9 Group*

.....
.....

. . . *Retain Trunk Volume Setting* . .

.....
.....

..... *Key Access to Outbound Lines* .

.....
.....

..... *Page Zone Member* .

.....
.....
.....

.....
..... *BGM* . .

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.....
.....
..... *Extension's Operator* . .

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.....

. *Ring Down Destination*

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.....
.....

.. *Speed Dial Block*

.....
.....
.....

..... *Answering Machine* ..

.....
.....
.....

. *Outgoing ANI ID (DS2000 Only) 1803 1804 1805 1806 Extension Line Access Assignments 2111-01 2113-02 2113-03 2113-04 2116-01 2116-03 2112-05 2112-01 2111-03 2111-06 2113-01 2111-07 2111-05 2113-05 2111-02 2114-03 2114-02 2111-09 2111-08 Access Option*

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.....

.... *2131-01 Extension Trunk Group Access Trunk Group Access* .

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.....

.. *2133-01 Ring Assignments Ring Assignment*

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.....
.....

..... *2132-01 Ring Type Configuration Day Ring Type* ..

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.....

..... *2103-01 Night Ring Type*

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.....

.. *2103-02 Delay Ring Type* ..

.....
.....

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.....

... *2103-03 Initialize Ring Type 1807 Extension Features (Part 2) Station Voice Announced Icm Calls* ..

.....

..... *Headset Voice Announced Icm Calls*.

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.....

Paging Through Speaker

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.....
.....

Headset

.....
.....
.....
.....

... Ringing Line Preference ...

.....
.....

.....
... Hunt Type ...

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.....

.... Hunt Destination

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.....
.....

Hunt master Number

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.....
.....

... Prime Line Type

.....
.....
.....

..... Prime Line Key .

.....
.....
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.....
.....

. Prime Line Trunk/Group

.....
.....
.....

. PIN Code

.....
.....
.....
.....

..... Walking Class of Service Security Code..

.....
.....

. Caller ID Log Type

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.....
.....

Caller ID Personal Records

.....
.....

... Caller ID Logging Group ..

.....
.....
.....

.. Display Language ...

.....
.....
.....
.. 2112-03 2112-04 2112-06 2112-02 2111-04 2115-01 2115-01 2115-01 2114-01 2114-01 2114-01 2102-05 1412-xx 2117-01 2117-01 2117-01 2101-03 28
DS-Series to DSX Program Cross Reference Cross Reference From DS-Series to DSX DS to DSX Programming Cross Reference DS Program DS Program
Description DSX Program 1808 IntraMail Subscriber Mailbox Options Extension Number.

.....
.....
.....
..... Mailbox Type ...

.....
.....
.....
..... Mailbox Active

.....
.....
.....
... Number of Messages ..

.....
.....
.....
. Message Playback

.....
.....
.....
. Auto Erase/Save of Messages

.....
.....
.....
.. Message Retention ...

.....
.....
.....
. Recording Conversation Beep

.....
.....
.....
.. Message Waiting Lamp ...

.....
.....
.....
... Auto Attendant Do Not Disturb ..

.....
.....
.....
.. Forced Unscreened Transfer ...

.....
.....
.....
..... Auto Time Stamp .

.....
.....
.... *System Administrator* .
.....
.....

.....
.....
. *Dialing Option*
.....

.....
.....
.....
... *Next Call Routing Mailbox*

.....
.....
.....
.. *Directory List Number*

.....
.....
.....
... *8001 Voice Mail Setup 1312-01 2141-01 2141-01 2142-01 2143-01 2143-02 2142-02 2143-05 2143-04 2144-01 2144-02 2143-03 2142-03 2144-03 2144-04 2144-05 Voice Mail Type*

.....
.....
.....
..... *4101-01 Voice Mail Master Extension No.*

.....
.....
.....
... *4101-02 8002 Voice Mail Options (Part 1) Cross Reference Name*

.....
.....
.....
.....

..... *Class of Service*
.....
.....

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.....
Toll Restriction Level (Day)
.....

.....
.....
.. *Toll Restriction Level (Night)*
.....
.....

..... *Operator*
.....
.....

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.....
.....
. *Dial 9 Group*

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.....
.....
.....

Outgoing Trunk Group Access

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.....

..... 8003 Voice Mail Options (Part 2) 4111-01 4111-02 4111-03 4111-04 4112-02 4112-01 4114-XX Trunk Number

.....
.....
.....
.....

... 4113-XX Trunk Access Type

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.....
.....

..... 4113-XX 8004 IntraMail System Options Subscriber Message Length ...

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.....
.....

.... Non-Subscriber Message Length

.....
.....

..... Message Backup/Go Ahead Time ...

.....
.....
.....

Fax Extension Digital Pager Callback Number

.....
.....

.... Delay in Dialing Digital Pager Callback Number.

.....

..... Wait Between Digital Pager Callout Attempts

.....

..... Wait Between Non-Pager Callout Attempts ...

.....

.....

... Wait Between Busy Non-Pager Callout Attempts

.... Wait Between RNA Non-Pager Callout Attempts

.....

Wait for Answer Non-Pager Callout Attempts

..... Number of Callout Attempts ..

.....
.....
.....

.... Send Pager Callout Until Acknowledged

.....

.. 4201-02 4201-01 4201-03 4202-08 4202-09 4202-02 4202-01 4202-03 4202-04 4202-05 4202-06 4202-07 DS-Series to DSX Program Cross Reference 29
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Master Mailbox Options Mailbox Number ...

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.....

.....
.....

... Mailbox Type ..

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.....
.....
..... Mailbox Active

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.....
.....
.....
..... Minimum Number of Letters Required.
.....
.....
..... Directory List Number to Use

.....
.....
..... Extension Name Match .
.....

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.....
.....
.....
Unscreened or Screened Transfer

.....
..... Screened Transfer Timeout ..
.....
.....

.....
..... Time Limit for Dialing Commands. ...
.....
.....

..... Fax Detection

.....
..... Next Call Routing Mailbox
.....
.....

..... 8006 IntraMail Routing Mailboxes 4101-02 4101-01 4101-01 4224-05 4224-01 4224-04 4224-06 4224-03 4224-02 4224-08 4224-07 4221-01
4221-02 4221-01 4222-01 4222-03 4222-02 4222-04 4223-03 4223-01 4223-02 4224-05 4224-01 4224-04 4224-06 4224-03 4224-02 4224-08 4224-07
4211-01 4211-02 4211-03 4211-01 4211-04 4212-XX 4212-XX-XX 4212-XX-XX 4212-XX-XX 4212-XX-XX 4212-XX-XX 4212-XX-XX 4212-XX-XX 4212-XX-XX 4212-XX-XX
XX 4212-XX-XX 4212-XX-XX Mailbox Number .

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.....
..... Mailbox Type.
.....

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.....
.....
..... Mailbox Active

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.....
.....

.....

. *Dial Action Table*.....

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.....

..... *Screened Transfer Timeout* ...

.....

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.....

..... *Time Limit for Dialing Commands*.....

.....

.....

..... *Fax Detection* ...

.....

.....

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.....

..... *Next Call Routing Mailbox*.....

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.....

... *Repeat Count* .



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.....
.. *Hang Up After* ..

.....
.....

.....
.....
.....
Minimum Number of Letters Required

..... *Directory List Number to Use* ..

.....
.....
.....

..... *Extension Name Match*

.....
.....
.....

..... *Unscreened or Screened Transfer*

.....
.....

..... *Screened Transfer Timeout* ..

.....
.....
.....

..... *Time Limit for Dialing Commands* ..

.....
.....
.....

..... *Fax Detection* ..

.....
.....
.....

..... *Next Call Routing Mailbox* ..

.....
.....
.....

..... *8007 IntraMail Answer Tables Answer Table*

.....
.....
.....
.....

..... *Answer Schedule Override*

.....
.....
.....

.. *Override Mailbox*

.....
.....
.....

..... *Default Mailbox* ..

.....

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.....

.....
... *Next Answer Table* ...

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.....

.....
.. *Schedule Entry* ...

.....
.....

.....
.....
.... *Schedule Type*

.....
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.....

.. *Type 1: (Day of the Week) Routing Mailbox Number*

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.....
.....

. *Day of the Week*

.....
.....
.....

..... *Schedule Start Time* ...

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.....
.....

.....
Schedule Stop Time

.....
.....
.....

.... *Type 2: (Range of Days) Routing Mailbox Number* .

.....
.....
.....

... *Schedule Start Day* ..

.....
.....
.....

.. *Schedule End Day* ...

.....
.....
.....

.. *Schedule Start Time*

.....
.....
.....

..... *Schedule Stop Time*

.....
.....
.....

..... 30 DS-Series to DSX Program Cross Reference Cross Reference From DS-Series to DSX DS to DSX Programming Cross Reference DS Program
DS Program Description DSX Program Type 3: (Range of Days) Routing Mailbox Number .

.....
.....
.....

..... Schedule Run Date ..

.....
.....
.....
.....

.. Schedule Start Time

.....
.....
.....

..... Schedule Stop Time.....

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..... Digit "2" ..

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.....

.. Digit "3"

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..... Digit "4" ..

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..... Digit "5"

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..... Digit "6" ..

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.....
.....
... *Digit "7"*

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.....

. *Digit "8"*

.....
... *Digit "9"*

.....
.....
.....
..... *Digit "0"*

.....
.....
.....

..... *Digit "*"*

.....
.....
.....
..... *Digit "#"*

.....
.....
.....

. *TIMEOUT*

.....
.. *9801 9803 Cross Reference Copy Command* ...

.....
.....

902X-01 Ring Tone Setup Initialize

.....
.....
.....
..... *Ring Tone #* ..

.....
.....

.....
.....

..... *Frequency #1* ..

.....
.....
.....

.....
.....
..... *Frequency #2* ...

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.....
.....
..... *Modulation*

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.....
.....
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..... @@.....

..... 9013-01 *Reset Station Port* ...

.....
.....
.....
..... 9002-01 *Set Up Stations (DS1000) Set Up Stations (DS2000) Slot? @@* ..

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.....
..... *Transmit Pulse Amplitude*

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.....
.....
..... *Frame Type*

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.....
.....
..... *Zero Suppression.*

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.....
.....
..... *Number of PCM Channels*

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.....
..... *Loopback* ..

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..... 1031-01 Database Save

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9041-01 Database Load

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..... 9042-01 PC Card Erase Utility DS1000 Database Transfer Utility Regional Defaults System Initialization.

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..... 9011-01 32 DS-Series to DSX Program Cross Reference NEC Unified Solutions, Inc.

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