

Release 4.2 Brings Enhancements to Strata CIX and eManager

Release 4.2 provides many important enhancements to Strata CIX systems, including additional features for SIP telephones, WirelessIP5000E-A telephone support, increased CLID storage telephone capacity, CSTA enhancements, and more.

The new version of eManager has enhancements including integration with DESI® keystrip printing program, import/export of DID/DNIS assignments, station directory, station and system speed dial names and numbers, and group upload of network calling numbers.

Release 4.2 Feature Enhancements

Strata CIX Release 4.2 has all the features of previous versions, plus the following new capabilities:

- **Additional SIP Telephone Features:** SIP telephones provide lower cost, less feature demanding IP telephone connection to Strata CIX systems. The features of Hold and Transfer are now added to SIP telephone functionality. These features work with both the WirelessIP5000E-A telephones and Uniden desk telephones available from Toshiba.
- **WirelessIP5000E-A Wireless IP Telephone Support:** The WirelessIP5000E-A links with a IEEE 802.11 wireless local area network and enables you to take your direct line and extension number with you anywhere within your wireless LAN environment. Basic SIP calling plus Transfer and Hold require CIX Release 4.2 software and LIPU, LIPS and GIPH firmware version _01_03.

Note Earlier versions of CIX software, R3.1x and R4.1x, support the basic SIP calling function with LIPU, LIPS and GIPH firmware version _01_03 or later but the Transfer, and Hold functions are not supported.

- **DSS LED – Option to Stop LED Flashing:** This feature provides an option that allows DSS buttons to be turned on red-steady or to flash at a unique rate when the DSS button's respective telephone is in the Do Not Disturb mode. In previous versions of CIX software the DSS button would always flash when its respective telephone was in the DND mode. Providing the red-steady option reduces the confusion of having many flashing lights on telephones and DSS console when users place their telephone in the DND mode.
- **LCR Modified Digit Table allows 20 digits:** This enhancement allows 20 digits to be deleted in the LCR Modified Digits tables where previous versions of Strata CIX software allowed a maximum of only 10 digits to be deleted. This allows LCR to be programmed to delete dialed long distance numbers and substitute Strata Net network numbers. This can greatly reduce the long distance telephone charges for Strata Net system owners.

- **CLID Storage telephone capacity increased:** This enhancement increases the number of Toshiba DKT and IP telephones permitted to store Caller ID in a Strata CIX system by allowing a minimum of five CLID numbers to be stored per telephone.

The number of telephones that can store Caller ID in each system is:

- CIX40 – all 24 telephones.
 - CIX100 – all 72 telephones increased from 66 telephones.
 - CIX200 – all 160 telephones increased from 100 telephones.
 - CIX670 with Basic processor – all 160 telephones increased from 100 telephones.
 - CIX670 with Basic/Expanded processor – 400 telephones increased from 200 telephones.
- **IPT - UDP Media channel Port Assignment:** The base UDP Port for IPT Media Channel can now be changed to accommodate any particular network configuration. In previous CIX software releases this port was permanently assigned in software. The valid values are from 1026 to 65532; default value is 49154.
 - **Strata Net IP RTP Port Range Management:** The base of the 32-port range for IP Strata Net RTP protocol can be set for individual LIPU, LIPS and GIPH cards. In previous Strata CIX software releases this port was permanently assigned in software. The valid range of the port base is from 16384 to 65504; default value is 20992. Note: Only even numbers can be assigned.
 - **License Display Screen enhancement:** eManager now displays the total number of Port, Endpoint, and Strata Net channel licenses installed on the CIX processor and the total licenses actually used (or programmed).
 - **Caller Name on CSTA events:** Strata CIX now sends the caller name information from the CO switch or the name defined in Strata CIX to external applications using CSTA. Net Phone can take advantage of this enhancement to show the caller name from the CO on the Net Phone Display.
 - **Divert enhancement on CSTA:** Divert is the CSTA feature to transfer the ringing call to the specified destination. Net Phone uses the feature to control the incoming call either automatically or manually. With this enhancement, Net Phone can route the incoming ringing call to the specified voice mail box or Directory Number. This feature can also be used for the ringing call while the user is on another call.
 - **Daylight Savings Time Date changes:** Most of the **United States** has observed Daylight Saving Time from at 2:00 a.m. on the first Sunday of April to 2:00 a.m. on the last Sunday of October. Beginning in 2007, most of the U.S. will begin Daylight Saving Time at 2:00 a.m. on the second Sunday in March and revert to standard time on the first Sunday in November. In the U.S., each time zone switches at a different time. In CIX R4.2 software and above the new 2007 DST switch-over Month, Week, and Day have been incorporated as the default values.
 - Note** Daylight Savings Time on CIX Release 4.0 and 4.1 systems that upgrade to R4.2 will still need to be manually changed to the new 2007 DST time change dates, once, because the old DST date will be restored during the upgrade and database restore process. Daylight Savings Time is supported on CTX28, 100, 670 Release 2.2 MH215 and later, and all CIX Release 3.x systems. These systems will need to be manually changed once, using eManager, to the new DST time change dates in 2007.
 - **eManager Release 4.2 enhancement:** eManager has a number of enhancements that can be used on all CIX/CTX systems, not just Release 4.2. These enhancements include:
 - Export of telephone keystrip data to the DESI keystrip printing application software. Keystrips can be automatically printed by the DESI application using the information from the CIX database.

- Import and Export other data such as Speed Dial, Station Names, Network routing, and others. Refer to [“eManager Release 4.2A06 Enhancements” on page 7](#).

Compatibility

Release 4.2 now becomes the standard version for all Strata CIX systems. All Strata CIX40, CIX100, CIX200, and CIX670 systems are currently shipping with Release 4.2 software. Existing systems with Release 4 processors can be upgraded to Release 4.2.

eManager 4.2 now becomes the standard version for support of Release 4.2 and previous Strata CIX software versions.

Availability

All Strata CIX40, CIX100, CIX200, and CIX670 systems are currently shipping with Release 4.2 software. Strata CIX Release 4.2 software and eManager 4.2 software is currently available for download.

Release 4.2 Technical Discussion

The following sections present detailed technical descriptions and examples of the Release 4.2 feature and eManager Release 4.2A06 enhancements. CIX Release 4.2MP024 is the released software version. Previous MP0xx must be upgraded to MP024 to support all Release 4.2 features.

Release 4.2 Enhancements

The enhancements shown in this section require CIX Release 4.2MP024 (or later) software.

- **CLID Storage telephone capacity increased:** This enhancement increases the number of Toshiba DKT and IP telephones permitted to store Caller ID in a Strata CIX system by allowing a minimum of 5 CLID numbers to be stored per telephone.

The number of telephones that can store Caller ID in each system is:

- CIX40: all 24 telephones.
- CIX100: all 72 telephones increased from 66 telephones.
- CIX200: all 160 telephones increased from 100 telephones.
- CIX670 with Basic processor: all 160 telephones increased from 100 telephones.
- CIX670 with Basic/Expanded processor: 400 telephones increased from 200 telephones.

Programming: Advanced Communications > Station > DKT > Call History Memory (Program 204-17).

- **IPT - UDP Media channel Port Assignment:** The base UDP Port for IPT Media Channel can now be changed to accommodate a particular network configuration. In previous CIX software releases this port was permanently assigned in software. The valid values are from 1026 to 65532, default value is 49154. **Note:** Only even numbers can be assigned.

Strata Net IP RTP Port Range Management: The base of the 32-port range for IP Strata Net RTP protocol can be set for individual LIPU, LIPS and GIPH cards. In previous Strata CIX software releases this port was permanently assigned in software. The valid range of the port base is from 16384 to 65504, default value is 20992. **Note:** Only even numbers can be assigned.

Programming: Advanced Communications > IP Telephony > LIPU/GIPH Configuration > IP Strata Net Base Port LIPU/GIPH or LIPS (Program 161-19 or 20).

- **License Display Screen enhancement:** eManager now displays the total number of Port, Endpoint, and Strata Net channel licenses installed on the CIX processor and the total licenses actually used (programmed) as shown below. In the example screen below, the “Number of Basic Ports” installed on the processor is 112 but only 20 ports are programmed (used). The “used” ports could be a mix of PDN ports, CO line ports, etc. This lets installer know of how much system capacity is available for future growth without installing more licenses. To view this page in eManager, go to:
eManager > Utilities > Licensing > License Info.

eManager Version 4.20A01 (in localhost Server) - Microsoft Internet Explorer

TOSHIBA

License Information

Optimize Communication

Strata
CIX

Basic Configuration
Advanced Configuration
Utilities
Operations
Maintenance
Tools
Licensing
License Control
License Info
Help
Switch Equipment
Logout

Equipped License Information

	Equipped	Used
CIX/CTX Release Number	1	
System Type	CTX100	
Maximum Number Of Cabinets	2	
Number of Serial Port(s)	2	
Number of DTMF Receivers	16	
Number of Basic Ports	112	20
Strata Net Channels	Unlimited	0
Number of CTI Sessions	9	
Number Of Attendant Consoles	4	
Number of Softphones	112	
CIX IP Telephony	Enabled	
Number Of IP End Points	72	0

CSTA enhancements

- **Caller Name on CSTA events:** Strata CIX now sends the caller name information from the CO switch or the name defined in Strata CIX to external applications using CSTA. Net Phone can take advantage of this enhancement to show the caller name from the CO on the Net Phone Display.

Required setup

In order to take advantage of the feature, Strata CIX needs to be setup either through the programming mode from the telephone or eManager to enable the caller name for CSTA feature.

Use Program 801 FK9 from the phone to enable or disable the feature.

1. Enable
2. Disable (default)

Or use LAN Device tab of the I/O Device menu of eManager to enable the feature.

TOSHIBA *I/O Device*

Strata CIX

Optimize Communication

IO Logical Device **LAN Device** **RS232 Serial Port**

801 CIX/CTX NETWORK JACK LAN DEVICE ASSIGNMENTS

00 LAN Port Index No.

01 Protocol 02 Application Type

03 Data Flow 04 Server Port No.

05 Client IP

06 Client Port No.

07 Read Retry No. 08 Write Retry No.

09 CallerName Set To CSTA

- **Caller Name interactions with applications:** If the extension name is defined in the OAISYS L2OAI device, it will be used instead of the caller name defined in the switch. At this time, PC Attendant and all of TAPI applications are not compatible with caller name feature. Therefore, it must be disabled for the LAN device configured for those applications.
- **Divert enhancement on CSTA:** Divert is the CSTA feature to transfer the ringing call to the specified destination. Net Phone uses the feature to control the incoming call either automatically or manually. With this enhancement, Net Phone can route the incoming ringing call to the specified voice mail box or Directory Number. This feature can also be used for the ringing call while the user is on another call.

Required Setup

No extra setup is necessary to use the feature in Strata CIX. To use the feature for the second call, hunting arrangement should be used.

When it is used with Auto Attendant service, it is necessary to configure the voice mail to use the blind transfer. Otherwise, the ringing call is not diverted.

Please refer to Net Phone Help file included in Net Phone or contact Technical support for setup in Net Phone.

Divert Interaction With Other Features

The following calls cannot be diverted at this time.

- Ringing recall call
- Camp on call or Held call

- Door phone call or emergency/ring down call
- Divert to MCG or external DN
- **Daylight Savings Time Date changes:** Beginning in 2007, most of the U.S. will begin Daylight Saving Time at 2:00 a.m. on the second Sunday in March and revert to standard time on the first Sunday in November. In the US each time zone switches at 2:00 a.m. local time. In CIX R4.2 MP024 software and above the new 2007 DST switch-over Months, Weeks and Days have been incorporated as the default values. Verify the DST switch-over times in the time zone the CIX is installed to make sure it corresponds to the above Months/Weeks//Days/Time and make appropriate changes if necessary.

Programming: Refer to eManager>Advanced Configuration>System>Daylight Savings (Program121) to verify correct DST switch-over times.

Notes

1. Only CIX Release 4.2 MP024 and above have the new 2007 DST Months, Week and Days as defaults all other CIX software versions have the pre-2007 Months/Weeks/ Days so you must manually change the Program 121 values to the 2007 values.
2. If upgrading to R4.2 MP024 or above from an older version of software it will be necessary to manually change to the 2007 DST values in Program 121.
3. Not all areas change to DST. Check the local area.

eManager Release 4.2A06 Enhancements

The enhancements listed below are available in eManager R4.2A06 and later. They do not require CIX Release 4.2 software, they can be used with all Releases of CTX/CIX systems.

These new features can save significant time and effort by exporting data such as station speed dial lists or DID assignments to a file and then importing the file for assignment.

eManager DID/DNIS Assignments - Import/Export

This feature allows all DID/DNIS numbers and parameters assigned to one or more Incoming Line Groups (ILG) to be exported as a comma separated value (CSV) file and saved on the eManager PC. This file can then be Imported and automatically uploaded to another ILG in the same CIX, or to a different CIX system.

Download

The system will create a text file. The text is the CSV data.

1. To download DID/DNIS assignments display the DID/DNIS Table. Advanced Configuration>Trunk>DID/DNID Table
2. Click on the Export button.
3. A dialog box will open. Select the location to save the file and assign a file name.

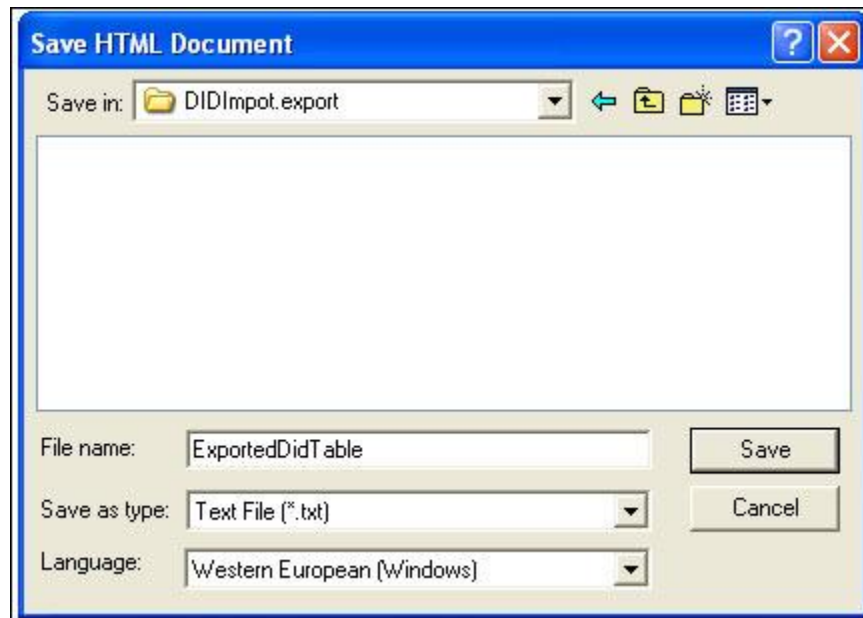
Example

The following is an example of using this process to copy the DID/NIS numbers from ILG# 5 to ILG# 7 in the same CIX system. After the DID/DNIS numbers and parameters have been assigned to ILG# 5, perform the following.

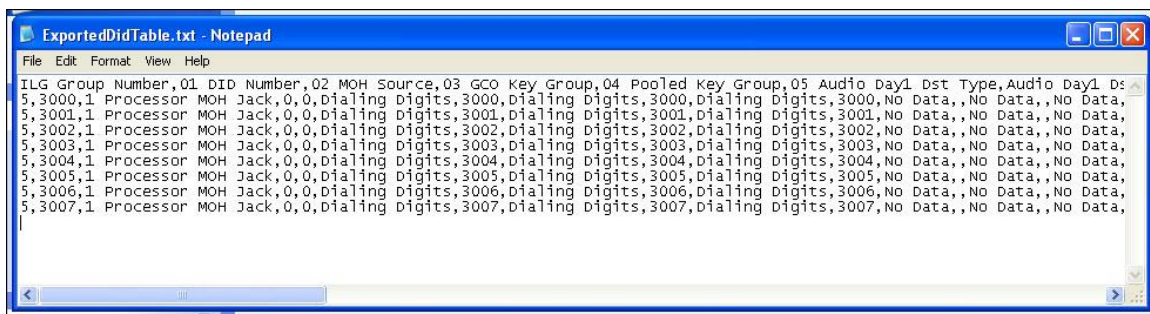
1. Create DID/DNIS numbers and parameters etc. for ILG Group 5 using the DID/DNIS wizard.
2. Open the DID/DNIS Table View located under Advanced Configuration>Trunk>DID/DNIS Table. All assignments for DID ILG Group 5 are displayed.
3. At the top of the DID/DNID Table View screen click on the Export button.

ILG	Number	DID/DNIS Name	Day Destination	Day 2 Destination	Night Destination	GCO Key	Pool Key	VMID SHDI	VMID DTMF	Tenant Number
00	01	12	05	06	07	03	04	11	15	16
5	3000	TOM	3000	3000	3000	0	0	3000	3000	1
5	3001	MARY	3001	3001	3001	0	0	3001	3001	1
5	3002	JANE	3002	3002	3002	0	0	3002	3002	1
5	3003	SALLY	3003	3003	3003	0	0	3003	3003	1
5	3004	FRED	3004	3004	3004	0	0	3004	3004	1
5	3005	LUCY	3005	3005	3005	0	0	3005	3005	1
5	3006	JOE	3006	3006	3006	0	0	3006	3006	1
5	3007	LUNCH ROOM	3007	3007	3007	0	0	3007	3007	1

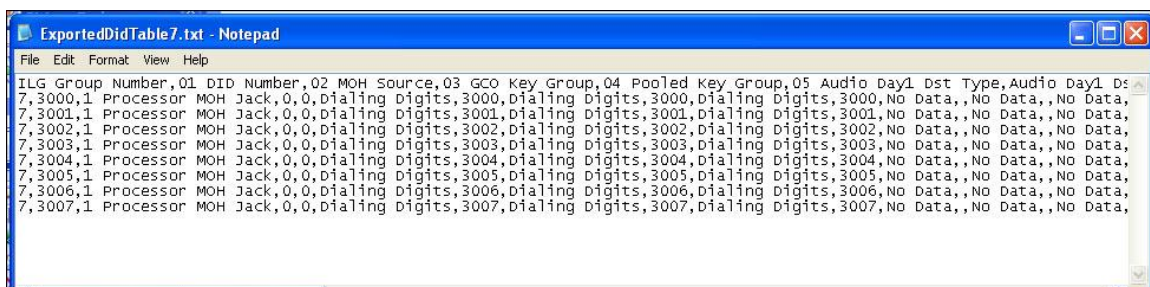
4. Select or create the folder where the ILG# 5 DID/DNIS assignment file will be saved and then click Save. This will save the DID numbers and parameters of ILG# 5 as a comma delimited text file.



5. Create DID Incoming Line Group ILG# 7 in Trunk programming Program 304. Assign the number of digits the DID numbers should have in Program 304-11 (Four digits in this example). The number of digits for ILG# 7 should be the same as ILG# 5.
6. After creating DID ILG# 7 open the exported ILG# 5 DID text file using Windows. This is the file saved in Step 4.



7. In the text file, change the ILG number from 5 to 7. Be sure to keep the same comma delimited format intact as shown below, then save the file under a different name.



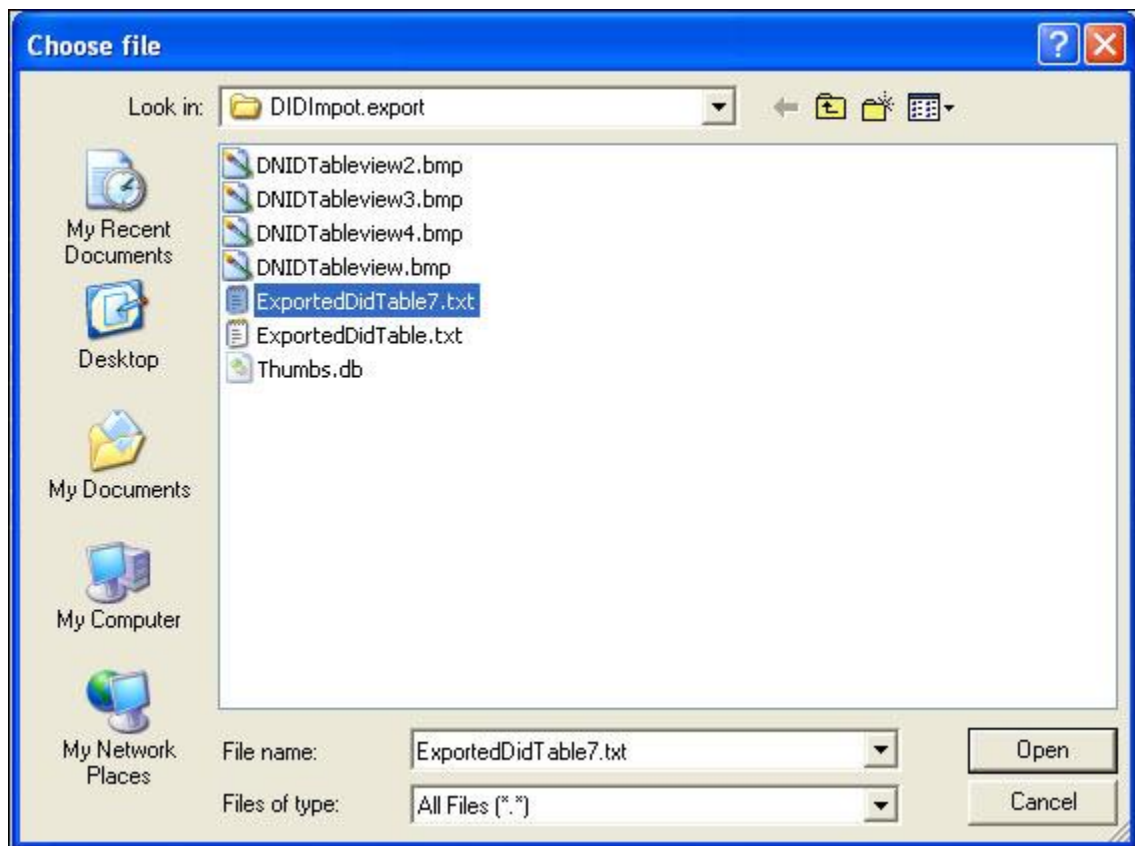
8. In eManager, open the DID/DNIS Table View located under Advanced Configuration>Trunk>DID/DNID Table. All assignments for DID ILG Group 5 are displayed.
9. On the top of the DID/DNID Table View screen click on the Import button.

DID/DNIS Table View - Microsoft Internet Explorer

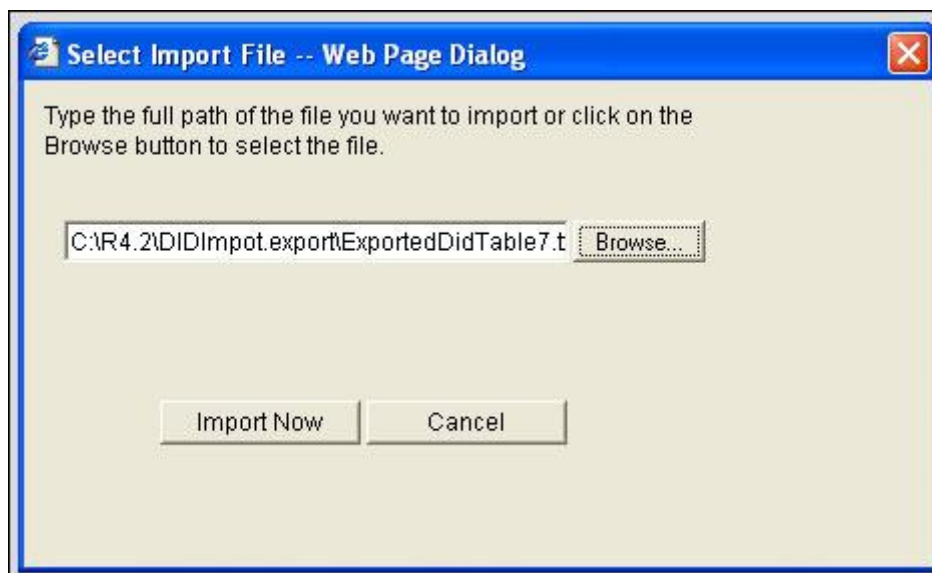
Navigation by ILG, DID/DNIS Number: 5 3000 Edit Submit Export Import Refresh Print

ILG 00	Number 01	DID/DNIS Name 12	Day Destination 05	Day 2 Destination 06	Night Destination 07	GCO Key 03	Pool Key 04	VMID SMID 11	VMID DTMF 15	Tenant Number 16
5	3000	TOM	3000	3000	3000	0	0	3000	3000	1
5	3001	MARY	3001	3001	3001	0	0	3001	3001	1
5	3002	JANE	3002	3002	3002	0	0	3002	3002	1
5	3003	SALLY	3003	3003	3003	0	0	3003	3003	1
5	3004	FRED	3004	3004	3004	0	0	3004	3004	1
5	3005	LUCY	3005	3005	3005	0	0	3005	3005	1
5	3006	JOE	3006	3006	3006	0	0	3006	3006	1
5	3007	LUNCH ROOM	3007	3007	3007	0	0	3007	3007	1

10. In the Choose file dialog box use the Browse button to find the text file containing ILG# 7 created in Step 7.



11. After selecting the ILG# 7 file click on Open. The eManager Select Import File dialog box will open. Click on Import Now. eManager will import and upload the ILG# 7 data to the CIX.



12. In eManager, open the DID/DNIS Table View, select Advanced Configuration>Trunk>DID/DNID Table and click refresh: all assignments for DID ILG Group 5 and 7 are displayed. This means that all of ILG# 5 DID assignments have been applied to ILG# 7 in the CIX database.

DID/DNIS Table View - Microsoft Internet Explorer										
Navigation by ILG, DID/DNIS Number < << <All> <All> >> >>										
Edit Submit Export Import Refresh Print										
ILG	Number	DID/DNIS Name	Day Destination	Day 2 Destination	Night Destination	GCO Key	Pool Key	VMID SMDI	VMID DTMF	Tenant Number
00	01	12	05	06	07	03	04	11	15	16
5	3000	TOM	3000	3000	3000	0	0	3000	3000	1
5	3001	MARY	3001	3001	3001	0	0	3001	3001	1
5	3002	JANE	3002	3002	3002	0	0	3002	3002	1
5	3003	SALLY	3003	3003	3003	0	0	3003	3003	1
5	3004	FRED	3004	3004	3004	0	0	3004	3004	1
5	3005	LUCY	3005	3005	3005	0	0	3005	3005	1
5	3006	JOE	3006	3006	3006	0	0	3006	3006	1
5	3007	LUNCH ROOM	3007	3007	3007	0	0	3007	3007	1
7	3000	TOM	3000	3000	3000	0	0	3000	3000	1
7	3001	MARY	3001	3001	3001	0	0	3001	3001	1
7	3002	JANE	3002	3002	3002	0	0	3002	3002	1
7	3003	SALLY	3003	3003	3003	0	0	3003	3003	1
7	3004	FRED	3004	3004	3004	0	0	3004	3004	1
7	3005	LUCY	3005	3005	3005	0	0	3005	3005	1
7	3006	JOE	3006	3006	3006	0	0	3006	3006	1
7	3007	LUNCH ROOM	3007	3007	3007	0	0	3007	3007	1

13. If you failed to create ILG#7 in Step 5 with the correct number of DID digits in Program 309-11 the following error message will be presented on the table view screen.

DID/DNIS Table View - Microsoft Internet Explorer										
Navigation by ILG, DID/DNIS Number < << 5 3000 >> >>										
Edit Submit Export Import Refresh Print										
ILG	Number	DID/DNIS Name	Day Destination	Day 2 Destination	Night Destination	GCO Key	Pool Key	VMID SMDI	VMID DTMF	Tenant Number
00	01	12	05	06	07	03	04	11	15	16
Error while uploading DID data to CIX. Detail: ILG Group 8 does not exist.										

eManager Station Directory - Import/Export

This feature allows CIX station assignments such as user names and telephone numbers to be exported as a comma separated value (CSV) text file to the eManager PC. This file can be imported by third party software to create dialing directories.

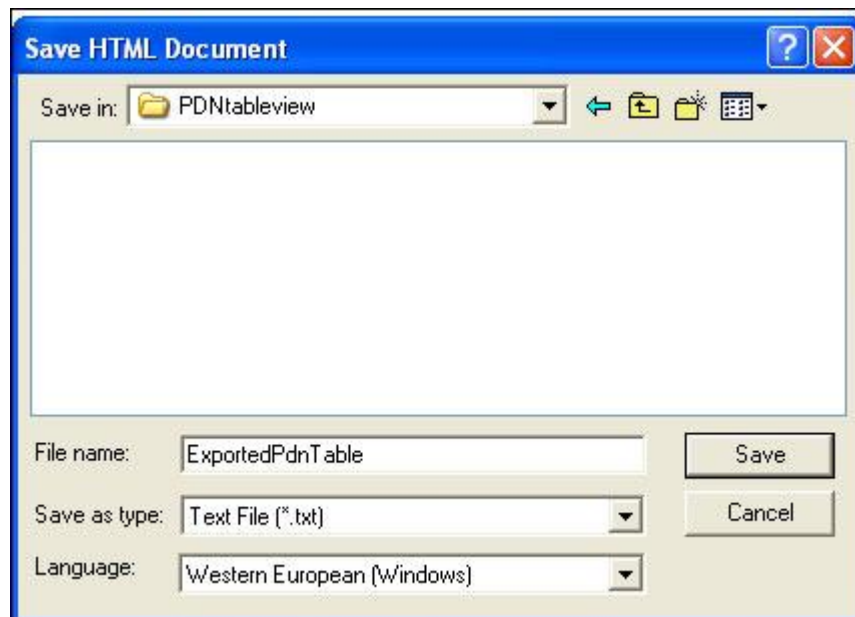
The Station Assignments Table View is displayed in eManager then a CSV text file is exported to the eManager computer.

Station Directory Information Example

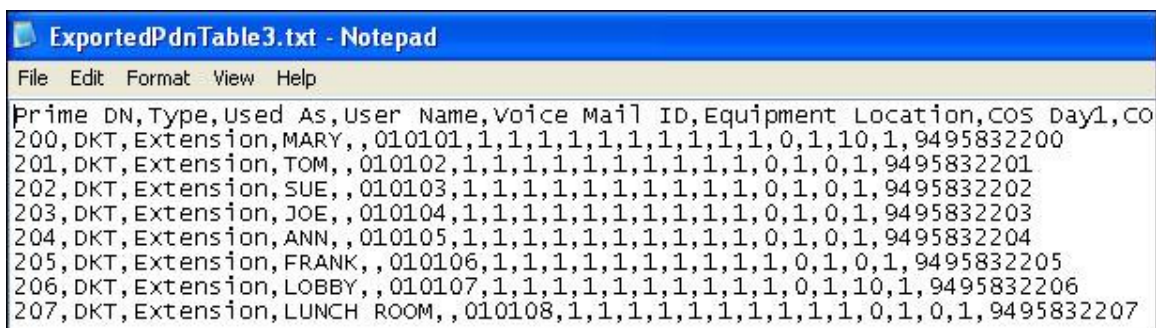
1. In eManager select **Advanced Configuration > Station > PDN Table**. All of the station assignments are displayed in a table.
2. Click the Export button on the top of the screen.

Equipment			PrimeDN	Telephone LCD Name	VMID	COS			DRL			FRL			LCR	SYS	NET	Sta.	Tenant	Network Calling Num
Number	Type	Used As	00	09	19	D1	D2	N	D1	D2	N	D1	D2	N	Grp	CF	COS	Spd	42	46
010101	DKT	Extension	200	MARY		1	1	1	1	1	1	1	1	1	1	0	1	10	1	9491234567
010102	DKT	Extension	201	TOM		1	1	1	1	1	1	1	1	1	1	0	1	0	1	9490901234
010103	DKT	Extension	202	SUE		1	1	1	1	1	1	1	1	1	1	0	1	0	1	9498888888
010104	DKT	Extension	203	JOE		1	1	1	1	1	1	1	1	1	1	0	1	0	1	9499999999
010105	DKT	Extension	204	ANN		1	1	1	1	1	1	1	1	1	1	0	1	0	1	9490000000
010106	DKT	Extension	205	FRANK		1	1	1	1	1	1	1	1	1	1	0	1	0	1	9495832205
010107	DKT	Extension	206	LOBBY		1	1	1	1	1	1	1	1	1	1	0	1	10	1	9495832206
010108	DKT	Extension	207	LUNCH ROOM		1	1	1	1	1	1	1	1	1	1	0	1	0	1	9495832207

3. From the dialog box that appears after clicking Export, name the file and select or create the folder it should be downloaded to.



4. Open the exported text file.

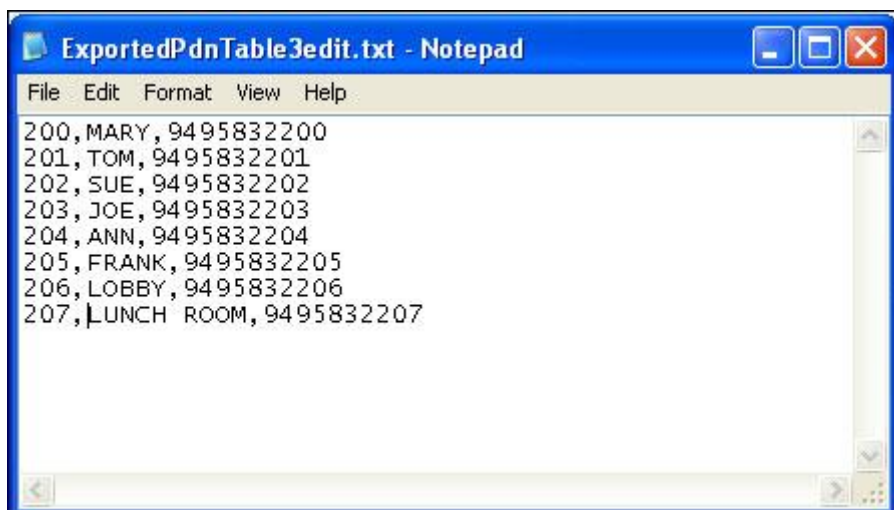


```

Prime DN,Type,Used As,User Name,Voice Mail ID,Equipment Location,COS Day1,CO
200,DKT,Extension,MARY,,010101,1,1,1,1,1,1,1,1,1,1,0,1,10,1,9495832200
201,DKT,Extension,TOM,,010102,1,1,1,1,1,1,1,1,1,1,0,1,0,1,9495832201
202,DKT,Extension,SUE,,010103,1,1,1,1,1,1,1,1,1,1,0,1,0,1,9495832202
203,DKT,Extension,JOE,,010104,1,1,1,1,1,1,1,1,1,1,0,1,0,1,9495832203
204,DKT,Extension,ANN,,010105,1,1,1,1,1,1,1,1,1,1,0,1,0,1,9495832204
205,DKT,Extension,FRANK,,010106,1,1,1,1,1,1,1,1,1,1,0,1,0,1,9495832205
206,DKT,Extension,LOBBY,,010107,1,1,1,1,1,1,1,1,1,1,0,1,10,1,9495832206
207,DKT,Extension,LUNCH ROOM,,010108,1,1,1,1,1,1,1,1,1,1,0,1,0,1,9495832207

```

5. One application for this file is to edit the unwanted fields out, to allow third party software to create a directory. The format of the edited file may need to vary, depending on the third party software that will create the directory. The file below has all table view fields deleted except:
 - Extension Number (PRG Prime DN)
 - Extension Name (PRG 200-09)
 - Network Calling Number (PRG 200-46)



```

200,MARY,9495832200
201,TOM,9495832201
202,SUE,9495832202
203,JOE,9495832203
204,ANN,9495832204
205,FRANK,9495832205
206,LOBBY,9495832206
207,LUNCH ROOM,9495832207

```

The edited text file can be opened with MicroSoft Excel as a comma delimited text file and columns can be rearranged as needed.

Microsoft Excel - ExportedPdnTable3edit.txt

File Edit View Insert Format Tools Data

H5

	Name Box	B	C
1	NAME	EXT	Phone Number
2	MARY	200	9495832200
3	TOM	201	9495832201
4	SUE	202	9495832202
5	JOE	203	9495832203
6	ANN	204	9495832204
7	FRANK	205	9495832205
8	LOBBY	206	9495832206
9	LUNCH ROOM	207	9495832207

MicroSoft Excel can be used to format the directory appearance

Name	Extension	Tel. Number
ANN	Ext. 204	9495832204
FRANK	Ext. 205	9495832205
JOE	Ext. 203	9495832203
LOBBY	Ext. 206	9495832206
LUNCH ROOM	Ext. 207	9495832207
MARY	Ext. 200	9495832200
SUE	Ext. 202	9495832202
TOM	Ext. 201	9495832201

Speed Dial Export/Import

This feature allows station and system speed dial names and numbers to be Exported and Imported. The exported speed dial data is saved into a comma separated value (CSV) text file which can be edited using any text editor such as Word Pad. The exported file can be imported by other CIX systems to save Speed Dial programming time.

Speed Dial Export/Import Operation.

The exported and imported speed dial file format is shown below. The exported file header and line format must not be changed or an error message will occur when trying to import a file. Commas are always required between fields as shown.

- System Speed Dial File Format:
Speed Dial Index (01 ~ 799),Speed Dial Number,Name
- Station Speed Dial Format:
Prime DN,Speed Dial Index (01 ~ 99),Speed Dial Number,Name

Please refer to the example screens on the following pages.

You can edit exported speed dial files to; add more speed dial names and numbers, change formats between system and station, change Prime DN's. Editing allows:

- One station's speed dial names/numbers can be edited and imported into another station's speed dial bins.
- A station's speed dial names/numbers can be edited and imported into CIX system Speed Dial.
- System speed dial names/number can be imported into another CIX system.
- System speed dial names/number can be edited and imported into station speed dial bins.
- System and Station speed dial files can be used by third party software to create dialing directories.

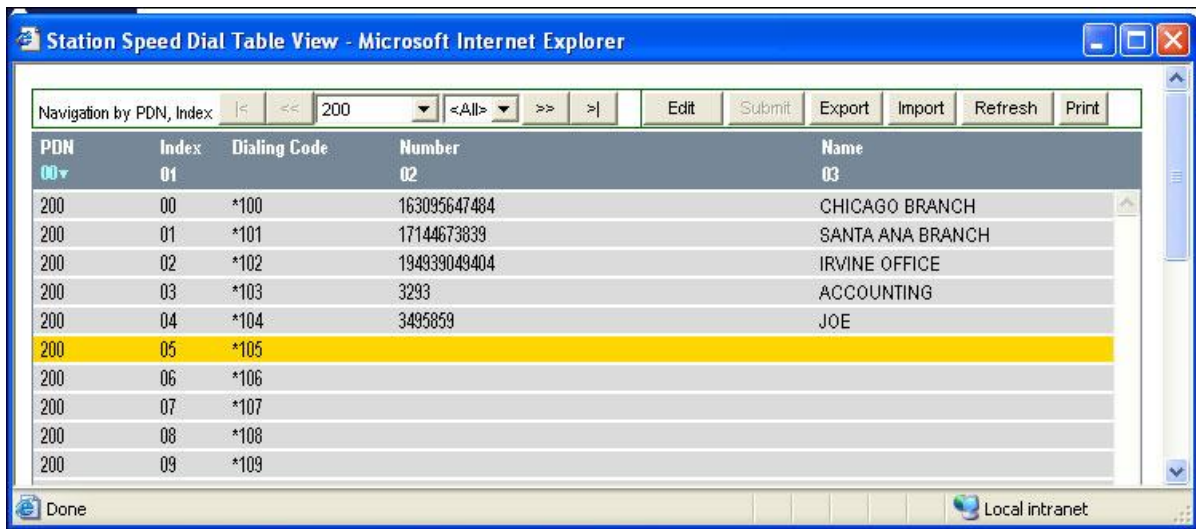
Station Speed Dial Export/Import

This feature allows all station speed dial numbers of one station to be exported and saved as a file on the eManager PC. The assignments in this file can then be Imported and automatically uploaded to another station speed dial bin in the same CIX, or into System Speed dial.

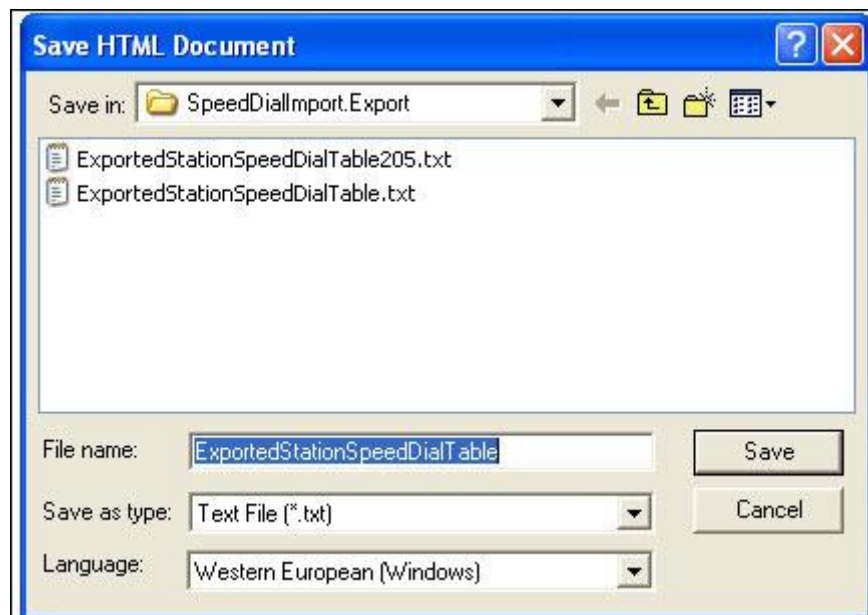
Use Example: Assign station 200 speed dial numbers to station 205 in the same CIX system.

1. Make sure that station 200 has speed dial number memory assigned in Program 200-35. Create station speed dial numbers and names for station 200 using the station speed dial table view.
2. Open the station Speed Dial Table View, select **Advanced Configuration > Station > Station Speed Dial Table View**. All of the assignments for station speed dial are displayed.

3. At the top of the Station Speed Dial Table View screen click on the **Export** button.

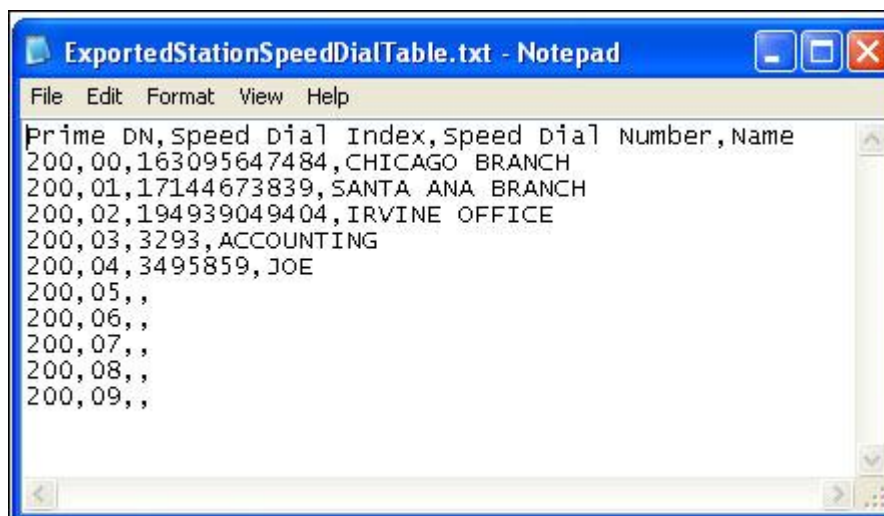


4. Select or create the folder where the station speed dial assignment file for station 200 will be saved and then click **Save**. This will save the station speed dial names and numbers as a CSV text file.

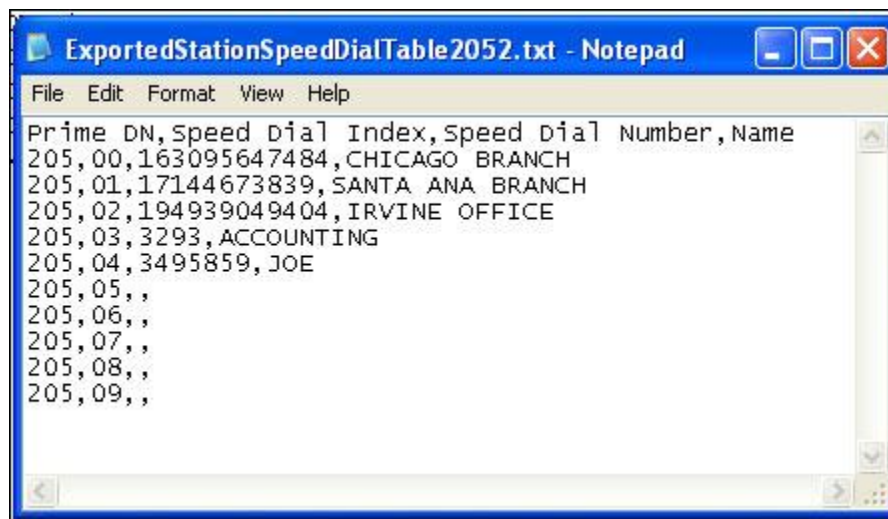


5. Make sure that station 205 has speed dial number memory assigned in Program 200-35

6. Open the exported station 200 speed dial CSV text file, saved in Step 4, using Word Pad.



7. In the text file, change the Prime DN from 200 to 205 – be sure to keep the same comma delimited format intact as shown below and do not change the header. Save the file under a different name.

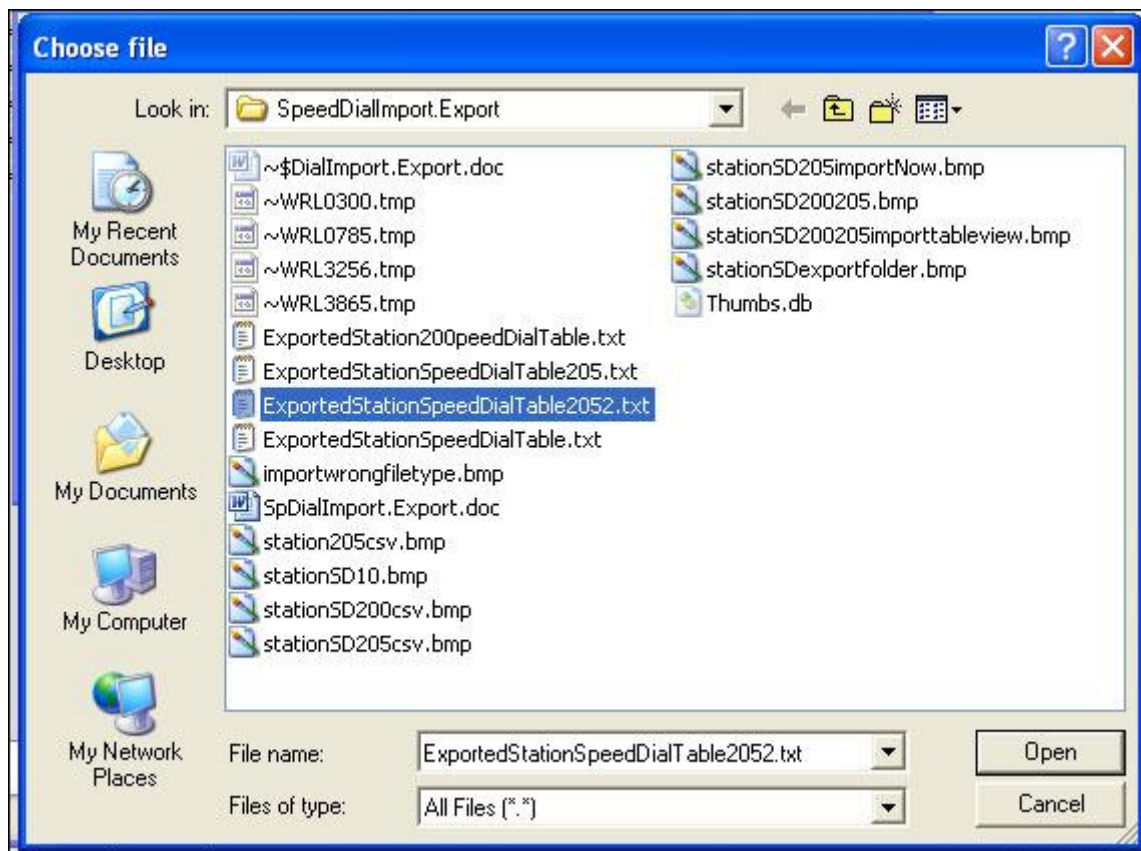


8. In eManager, select **Advanced Configuration > Station > Station Speed Dial Table View**. All of the assignments for Station Speed Dial are displayed.

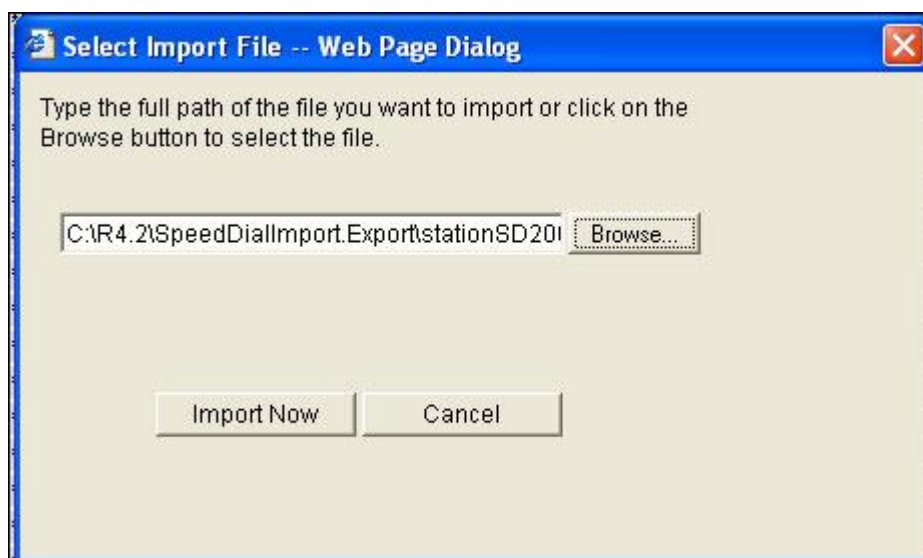
9. On the top of the Station Speed Dial Table View screen click on **Import**.

PDN 00	Index 01	Dialing Code 02	Number 03	Name 03
200	00	*100	163095647484	CHICAGO BRANCH
200	01	*101	17144673839	SANTA ANA BRANCH
200	02	*102	194939049404	IRVINE OFFICE
200	03	*103	3293	ACCOUNTING
200	04	*104	3495859	JOE
200	05	*105		
200	06	*106		
200	07	*107		
200	08	*108		
200	09	*109		
205	00	*100		
205	01	*101		
205	02	*102		
205	03	*103		
205	04	*104		
205	05	*105		
205	06	*106		
205	07	*107		
205	08	*108		
205	09	*109		

10. The Choose File dialog box will open, use the Browse button to find the text file containing the speed dial assignments for station 200 (created in Step 7 above).



11. After selecting the station 205 speed dial file click **Open**, an eManager dialog box will prompt you to Import the data to the CIX. Click **Import Now**. This will cause eManager to Import and upload the station 205 speed dial data to the CIX.



12. In eManager select **Advanced Configuration>Station>Station Speed Dial Table View**. All of the assignments for station speed dial are displayed. Station 205 will have the same speed dial assignments as station 200. If the Station 205 Speed Dial assignments do not appear click the Refresh button.

PDN	Index	Dialing Code	Number	Name
200	00	*100	163095647484	CHICAGO BRANCH
200	01	*101	17144673839	SANTA ANA BRANCH
200	02	*102	194939049404	IRVINE OFFICE
200	03	*103	3293	ACCOUNTING
200	04	*104	3495859	JOE
200	05	*105		
200	06	*106		
200	07	*107		
200	08	*108		
200	09	*109		
205	00	*100	163095647484	CHICAGO BRANCH
205	01	*101	17144673839	SANTA ANA BRANCH
205	02	*102	194939049404	IRVINE OFFICE
205	03	*103	3293	ACCOUNTING
205	04	*104	3495859	JOE
205	05	*105		
205	06	*106		
205	07	*107		
205	08	*108		
205	09	*109		

eManager Network Calling Number Upload

The Network Calling Number is normally entered and submitted one-at-a-time for each PDN using Program 200-46. This can take a lot of time if the system has many PDNs. The Network Calling Number Upload feature allows you to create a comma separated (CSV) text file containing PDNs and their associated Network Calling Numbers, and then upload the text file to the CIX once.

The format of the text file is: Prime DN,Network Calling Number

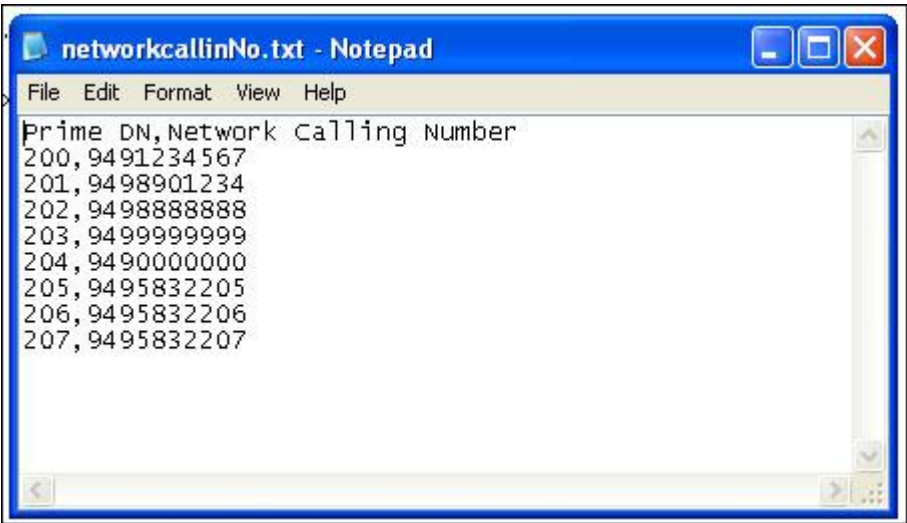
To create the CSV file for uploading you must create a list of all of the stations in the CIX system. One method for creating the list is display the Table View of the stations, export the table, then delete all but the station numbers in the text file that was exported.

Example: Upload Network Calling numbers for stations 200~207.

1. Create a CSV text file containing the PDN and Network Calling number for each station. In this example the file shown was created using MicroSoft Notepad.

As noted above, an eManager Imported Table View file could be used to start this by generating all

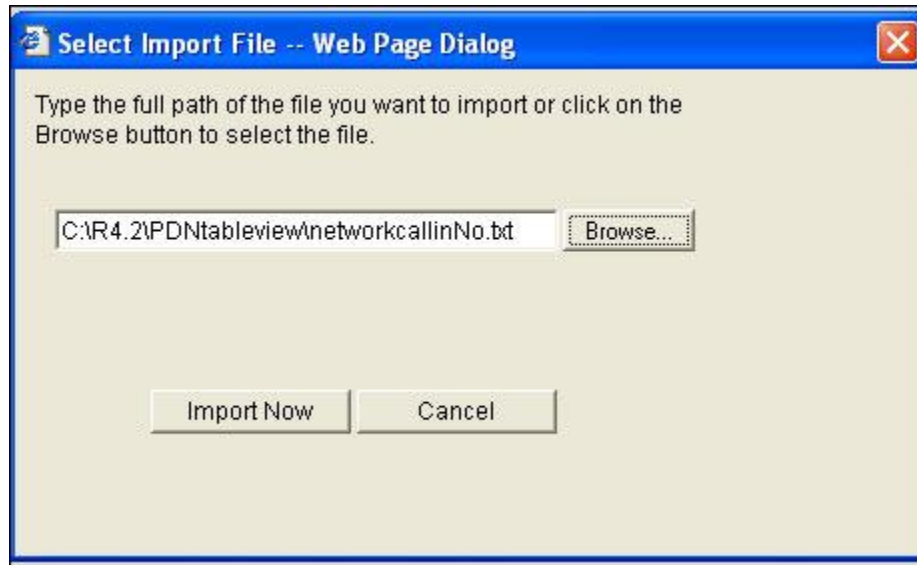
PDNs (then, in the imported text file, delete all other fields except the PDNs so all that would need to be entered is the Network Calling numbers).



2. Open the station PDN Table View, select **Advanced Configuration > Station > PDN Table**. All of the station table view assignments will be displayed (Note: Network Calling Numbers not are shown).

PDN Table View - Microsoft Internet Explorer																			
gation by PrimeDN				<<< All >>>		Edit Names		Submit	Upload CID	Download Keystrip Data				Export	Refresh	Print			
ber	Type	Used As	PrimeDN	Telephone LCD Name	VMID	COS			DRL			FRL			LCR	SYS	NET	Sta	Network Calling Number
02	03	00	09	19		D1	D2	N	D1	D2	N	D1	D2	N	Grp	CF	COS	Spd	Tenant
01	DKT	Extension	200	MARY		1	1	1	1	1	1	1	1	1	1	0	1	10	1
02	DKT	Extension	201	TOM		1	1	1	1	1	1	1	1	1	1	0	1	0	1
03	DKT	Extension	202	SUE		1	1	1	1	1	1	1	1	1	1	0	1	0	1
04	DKT	Extension	203	JOE		1	1	1	1	1	1	1	1	1	1	0	1	0	1
05	DKT	Extension	204	ANN		1	1	1	1	1	1	1	1	1	1	0	1	0	1
06	DKT	Extension	205	FRANK		1	1	1	1	1	1	1	1	1	1	0	1	0	1
07	DKT	Extension	206	LOBBY		1	1	1	1	1	1	1	1	1	1	0	1	10	1
08	DKT	Extension	207	LUNCH ROOM		1	1	1	1	1	1	1	1	1	1	0	1	0	1

- Click on the **Upload CID** button at the top of the PDN Table View screen. Then browse to the file created in Step 1.



- Click **Import Now**. eManager will upload the selected file into the CIX database and then update Program 200-46 and the PDN Table view automatically (Note: Network Calling Numbers are shown).

PDN Table View - Microsoft Internet Explorer																						
gation by PrimeDN				<< <All> >> >		Edit Names		Submit		Upload CID		Download Keystrip Data				Export		Refresh		Print		
iber	Equipment	Type	Used As	PrimeDN	Telephone LCD Name	VMID	COS			DRL			FRL			LCR	SYS	NET	Sta.	Tenant	Network Calling Number	
	02	03		00	09	19	D1	D2	N	D1	D2	N	D1	D2	N	Grp	CF	COS	Spd	42	46	
01	DKT	Extension		200	MARY		1	1	1	1	1	1	1	1	1	1	0	1	10	1	9491234567	
02	DKT	Extension		201	TOM		1	1	1	1	1	1	1	1	1	1	0	1	0	1	9498901234	
03	DKT	Extension		202	SUE		1	1	1	1	1	1	1	1	1	1	0	1	0	1	9498888888	
04	DKT	Extension		203	JOE		1	1	1	1	1	1	1	1	1	1	0	1	0	1	9499999999	
05	DKT	Extension		204	ANN		1	1	1	1	1	1	1	1	1	1	0	1	0	1	9490000000	
06	DKT	Extension		205	FRANK		1	1	1	1	1	1	1	1	1	1	0	1	0	1	9495832205	
07	DKT	Extension		206	LOBBY		1	1	1	1	1	1	1	1	1	1	0	1	10	1	9495832206	
08	DKT	Extension		207	LUNCH ROOM		1	1	1	1	1	1	1	1	1	1	0	1	0	1	9495832207	

eManager DESI integration / Telephone Keystrip Printing

eManager version R4.2A06 and later provides a function to collect all keystrip button assignments programmed in a system and download them as a comma separated value (CSV) text file to the eManager Hard Drive. The keystrip data file contains the data for all IPT and DKT Telephones, DSS Consoles and Add-On-Modules.

Telephone Keystrip Label software from DESI Telephone Labels, Inc. can import this file and print keystrips on DESI keystrip paper. Keystrips can be printed without having to manually type labels for each button on each Telephone, DSS and ADM keystrip. This feature provides a large labor cost saving.

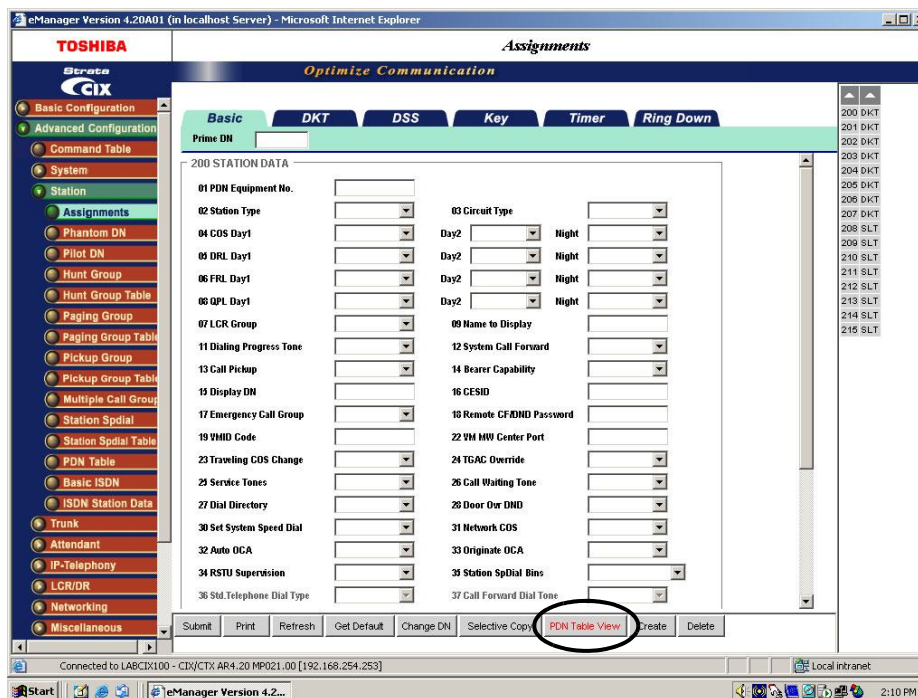
This feature supports DESI Telephone Labels, Inc. products only and requires DESI Print Engine 2.74 software or later and DESI format Keystrip paper for Toshiba phones. DESI keystrip paper is available for all Toshiba DKT2000/DKT3000/DKT3200/IPT2000 series telephones DSS consoles and Add-On-Modules. To order DESI Software and Keystrip paper for Toshiba telephone products go to www.DESI.com.

Note Toshiba no longer provides label printing paper or software.

eManager Data Download

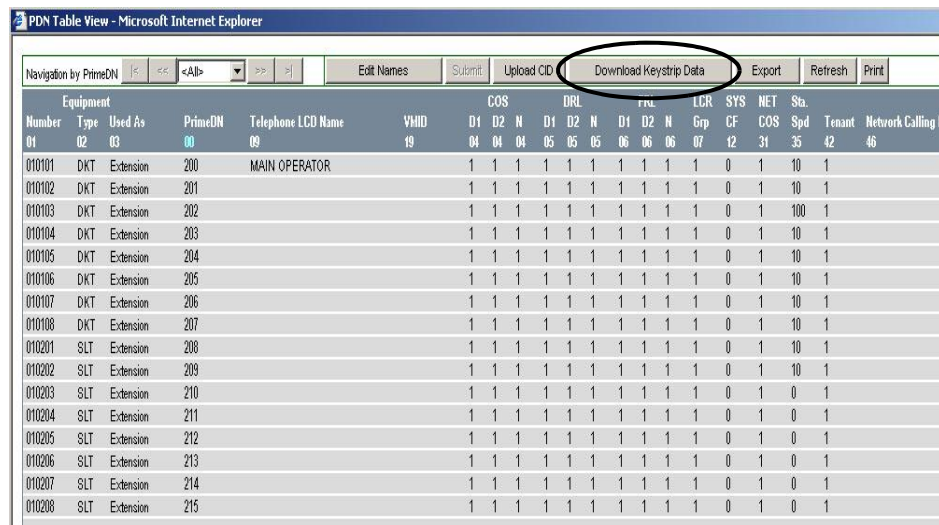
To generate to data file that will be used by the DESI software.

1. Log ion to eManager then connect to the CIX system.
2. Select **Advanced Configuration > Station > Assignments**.



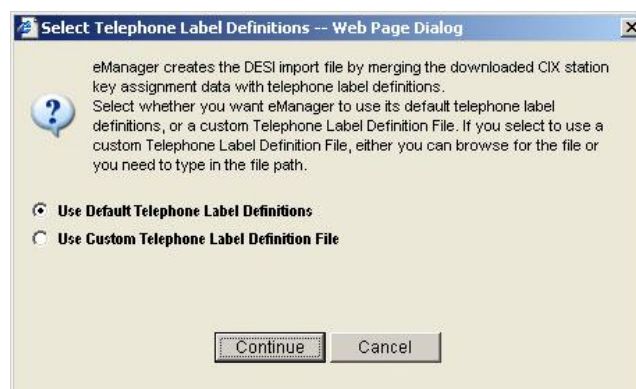
3. Click on the **PDN Table View** button at the bottom of the screen.

- Click on the **Download Keystip Data** button.



Equipment		Used As	PrimeDN	Telephone LCD Name	VHID	COS			DRL			FRL			LCR	SYS	NET	Sta.	Tenant	Network Calling N
Number	Type					D1	D2	N	D1	D2	N	D1	D2	N	Grp	CF	COS	Spd		
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21
010101	DKT	Extension	200	MAIN OPERATOR	19	1	1	1	1	1	1	1	1	1	1	0	1	10	1	
010102	DKT	Extension	201			1	1	1	1	1	1	1	1	1	0	1	10	1		
010103	DKT	Extension	202			1	1	1	1	1	1	1	1	1	0	1	100	1		
010104	DKT	Extension	203			1	1	1	1	1	1	1	1	1	0	1	10	1		
010105	DKT	Extension	204			1	1	1	1	1	1	1	1	1	0	1	10	1		
010106	DKT	Extension	205			1	1	1	1	1	1	1	1	1	0	1	10	1		
010107	DKT	Extension	206			1	1	1	1	1	1	1	1	1	0	1	10	1		
010108	DKT	Extension	207			1	1	1	1	1	1	1	1	1	0	1	10	1		
010201	SLT	Extension	208			1	1	1	1	1	1	1	1	1	0	1	10	1		
010202	SLT	Extension	209			1	1	1	1	1	1	1	1	1	0	1	10	1		
010203	SLT	Extension	210			1	1	1	1	1	1	1	1	1	0	1	0	1		
010204	SLT	Extension	211			1	1	1	1	1	1	1	1	1	0	1	0	1		
010205	SLT	Extension	212			1	1	1	1	1	1	1	1	1	0	1	0	1		
010206	SLT	Extension	213			1	1	1	1	1	1	1	1	1	0	1	0	1		
010207	SLT	Extension	214			1	1	1	1	1	1	1	1	1	0	1	0	1		
010208	SLT	Extension	215			1	1	1	1	1	1	1	1	1	0	1	0	1		

- In the Select Telephone Label Default dialog box select either the Default Label Definition or Custom Label Definition file.



If you select the Use custom definition file a dialog box to select the file will open. Refer to the Custom Definition Label File section for more information.

- A warning that this process may take a while will open. Click **Ok** to proceed.
- The station database will be merged with the label definition file.
- When the merge is complete a Save HTML Document dialog box will open. Select a file name and location for the station data download.

DESI Label Printer Software

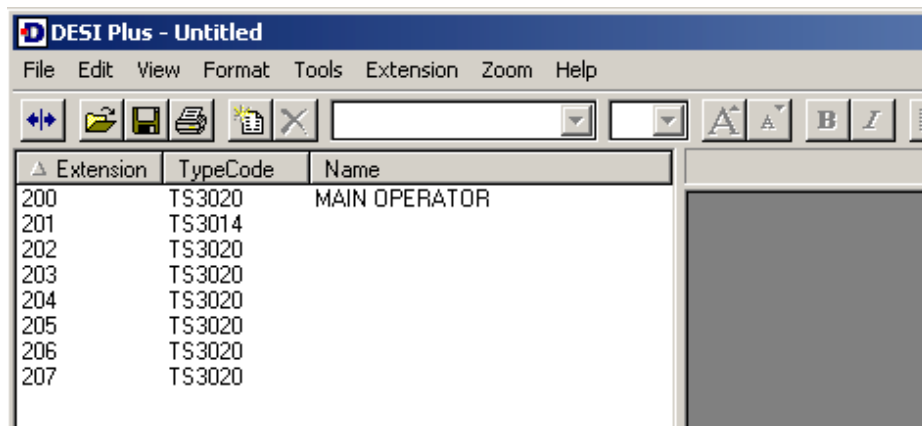
Import Data

The DESI Label software can import the file created by eManager to create and print telephone labels. The labels will have all of the key assignments that are programmed in the data base. The labels can be printed 'as is' or edited.

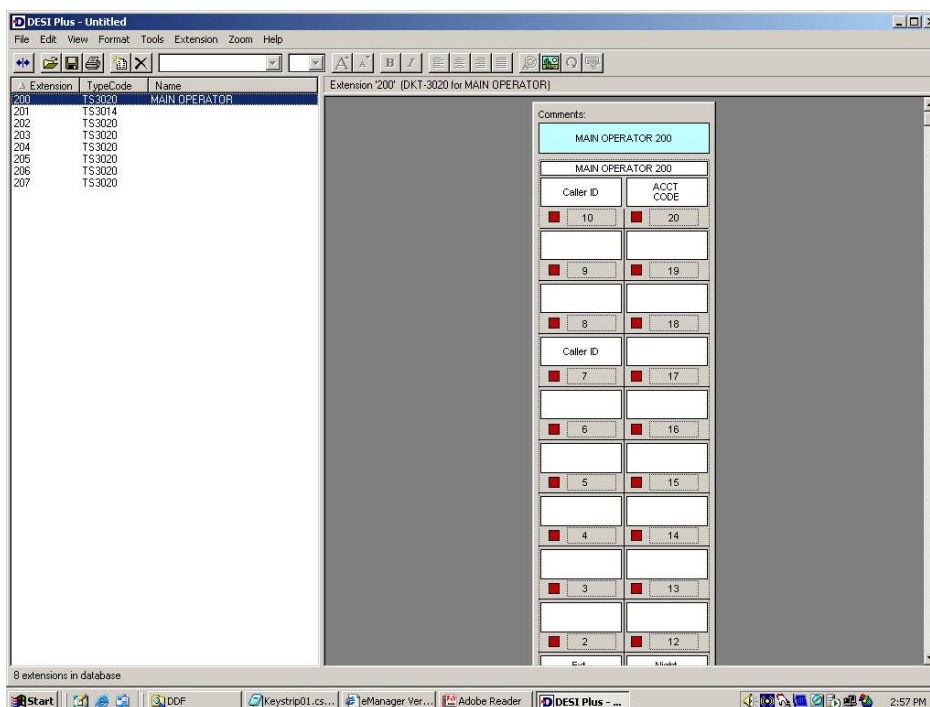
Refer to the DESI Help file for

- Launch the DESI Telephone Label application.
- From the main menu select **File > Import Data > Text File Import Filter**.

3. In the Import File Dialog box use the pull-down in the **Files of Type** field to select **All Files**.
4. Select the **Keystrip Data.txt** file created by eManager then click on the **Open** button.
5. DESI will display a list of the DKT and IPT extensions from the database.



6. Click on an extension in the list to display the label.



7. The label can be printed or edited then printed.

Custom Telephone Label Definition File

The Telephone Label Definition file is, as the name implies, the file containing the definition of the labels that are printed for each key.

In [Figure 1](#) below, a portion of the Default definition file is shown. Column E is the definition for the eight key IPT2008 telephone. If a key is programmed as a Do Not Disturb key eManager will output code 180. Looking across line 13 to Column E the definition is **DND**. When the keystrip for that station is printed the key programmed as Do Not Disturb will be labeled DND. If a customer wanted these keys to be labeled In Meeting or Out of Office, the definition could be changed.

Make a Custom Definition File

1. Download the Default Label Definition file from the Toshiba FYI web-site. Rename the file when saving it the PC that will be used to download the Keystrip Data in eManager.
2. Find the column that defines the telephone station type you wish to modify.
3. Find the line that defines the feature you want to change.
4. Type the new definition into that cell.
5. Save the file.
6. When the keystrip data is downloaded select this new definition file when eManager prompts.

DefaultTelephoneLabels.csv							
	A	B	C	D	E	F	G
1			CIX Station Type =>	7-key DKT	8-key IPT	10-key DKT	10-k
2			DESI Template =>	TOS-3007	IPT2008	TOS-3010	IPT2
3	Code	Feature Name	Parameters	Label	Label	Label	Labe
4		0 Unused Key					
5	100	Prime DN Key	%0 Prime DN	{Name}\n%0	Ext.\n%0	{Name}\n%0	{Nan
6	110	Secondary/Phantor	%1 Directory Number	{Name.%1}\n%1	Ext.\n%1	{Name.%1}\n%1	{Nan
7	120	CO	%1 Line Number	Line No.\n%1	Line\n%1	Line No.\n%1	Line
8	130	CO Line Group	%1 Group Number	Line Group\n%1	Line\n%1	Line Group\n%1	Line
9	140	Pooled Line Key	%1 Group Number	Pooled Line\n%1	PL Line\n%1	Pooled Line\n%1	Pool
10	150	Automatic Busy Redial		Auto\nBusy Redial	ABR	Auto\nBusy Redial	Auto
11	160	Automatic Call Back		Auto\nCall Back	ACB	Auto\nCall Back	Auto
12	170	Call Park Orbit		Park	Park	Park	Park
13	180	Do Not Disturb		Do Not Disturb	DND	Do Not Disturb	Do N
14	200	Short Flash		Hook Flash\nLine	Flash\nLine	Hook Flash\nLine	Hook
15	210	Long Flash		Drop Line	Drop\nLine	Drop Line	Drop
16	220	All Paging		Page All	Page\nAll	Page All	Page
17	230	Group Paging		Page\nGroup No.	Page\nGroup	Page\nGroup No.	Page
18	240	All Emergency Page		Emergency\nPage All	Emerg.\nPageAll	Emergency\nPageAll	Emrg
19	250	Individual Emergency Page		Emergency\nPage Group	Emerg.\nPageGrp	Emergency\nPage Group	Eme
20	260	Speed Dial		Speed Dial	Speed\nDial	Speed Dial	Spee
21	270	Release Button		Release	RLS	Release	RLS
22	280	Release/Answer		Release\n&Answer	RLS\n&ANS	Release\n&Answer	Rele

Figure 1 Definition File Example

Definition Syntax:

\n = New Line

%0 is a variable that means the Prime DN. Refer to Column C for allowed variables and their meaning.

%x - Refer the Column C for the meaning of these variables

Key Label Examples

Refer to [Figure 1](#), row 16, column C define the label for a Long Flash. On an IPT2008 cell E15 defines the long flash label as two lines. The next cell to the right is the definition for a DKT3010. On that station keystrip label will be one line, as shown below.

IPT2008 Keystrip	DKT3010 Keystrip
Drop Line	Drop Line

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