

NEC SV 8300 PRI

For this example we will be using trunk route 10 for the B channels and trunk route 11 for the D channel. The trunk numbers will be 100-123. The protocol will be Ni-2. The blade will be plugged into unit 01 slot 01. There are no switch settings on the blade. The network connection is to the front RJ 48 jack on the blade. This will also be the first installed digit trunk blade.

Programming syntax: > = de, => = change to.... EX: 050>0101>41 EXE.

Programming Procedure

COMMAND>FIRST DATA>SECOND DATA

050> 0101(unit/slot)> **41** EXE = assigns the location of the card as a PRT blade.

051> 0101> 000 EXE = assigns the trunk blade number to the PRT blade. 000-127 = trunk blades 000-007 are reserved for the main site.

Firmware Upgrade

Using PCPro, select the standard view. Select firmware upgrade. Select the read button. If the program version is higher than the blade version, select apply to upgrade the blade. A PRT blade upgrade will take the blade off line and usually takes 5 to 7 minutes to complete. The upgrade files are part of the system software. It is important to have the latest system software loaded before attempting any blade upgrades.

If PCPro is not available then you can use CMD E80>0101 (unit/slot)>XX YY ZZ. Type in the blade type XX, then execute. YY = card version, ZZ = available firmware version.

Command Line

1000> 010101~010124> D100~D123> EXE = assign trunk numbers to the unit/slot/port.

AA00> 000> 0 EXE = AT&T specs.

3000> 100~122> 10 EXE = assign voice trunks to B channel route.

3000> 123> 11 EXE = assign control trunk to D channel route.

3002> 100~122> 31=> 18 EXE = assign ISDN initial day mode to each voice trunk.

3003 = night mode, **3040** = A mode, **3041** = B mode.

08> 028> 0 EXE = allow trunk to trunk transfer.

08> 253> 0 EXE = allow ring transfers.

08> 400> 0 EXE = send calling party sub address to ISDN.

35000>1 0> 00 EXE = define B channel trunk route.

35004> 10> 2 EXE = answer supervision is provided.

35009> 10> 08 EXE = incoming signaling is ISDN.

35018> 10> 1 =>0 = allow for digit conversion. Refer to command 76XX for conversion tables if necessary.

35012> 10> 3 = 4 digits received on DID calls (2 = 3 digits, 1 = 2 digits).

35021> 10> 01 EXE = sender pre pause timing, which speeds up dialing.

35046> 10> 1 EXE = register release timing, which speeds up dialing.

35090> 10> 3 EXE = special facilities, ISDN (B channel).

35090> 11> 3 EXE = special facilities, ISDN (D channel).

35093> 10> 00 EXE = D channel handler to trunk route.

410> 50 + 57> NONE=> 05 EXE = PRI timing.

360> 1010> 0 EXE = allow all incoming route (10) to outgoing route (10) connections.

360> 1020> 0 EXE { { {

360> 2020> 0 EXE { { {

360> 2010> 0 EXE { { {

3007> 100> 000 EXE = assign all voice trunks a CIC code starting with 000.

{ { {

3007> 122> 022 EXE **NOTE: Do not assign a CIC code for the D channel trunk.**

Optional CMD 3019 assigns a 4 digit trunk ID to each channel to display on the LCD of the phone. EX: 30019>100>0101 EXE, 30019>101>0102 EXE.

AA06> 000> 28 EXE = Ni2 protocol. 20 = AT&T, 21 = NT DMS 100/250.

A900> 0> 123 EXE = assigns D channel trunk to PRI circuit 0.

0410> 01> 01 EXE = assigns first priority clock to slot 01.

EC6> 0> 0 EXE = Back up to flash ROM. WAIT for the back up to complete. To verify, go back to CMD EC6>0>1 = back up in progress. 3 = Back up completed.

PCPro

If you are using PCPro then you can use one of the GUI screens to quickly add in the PRI blade and assign trunk numbers and routes. Connect PCPro to the system and log in. The default log in is admin and the default password is admin, both in lower case letters. Select the Standard View in the lower left side. Select Blade Configuration in the upper left side. Select the read button. When the read is completed, right click on an available blade slot. Select ISDN/PRI. Select the zoom in button. Type into the first trunk port DXXX (D = trunk, XXX = trunk number). Select from the pull down menu on the right side a trunk route. Then select the fill in option. All 32 trunk ports will be filled in in order and place them into the route you selected. Then go back to ports 25-32 and delete the extra trunks. The GUI fills in all 32 for E-1 applications. Next, go back to the 24th trunk port and move it to a different trunk route for the “D” channel. When done, select apply. Another option is the wizard GUI. On the lower left side select the wizard tab. When opened up, select the read option. Fill in all of the options then select apply to send the data to the PBX.

Outbound CID

There are three options for outbound CID. Send no number, send a specified main number or send the extension DID number. We will use extension 2000 as our example.

Send no number – No assignment needs to be done.

Send specified main number – command 5005 provides tables 00-14 for customization.

5005> 00> NONE=> 2145551234 EXE = specified number.

1213> 2000> 15=> 00 EXE = extension number 2000 will send out the specified number in table 5005>00.

Send out extension DID

5005> 01> NONE=> 214555 EXE = specified number.

1212> 2000> NONE=> 2000 EXE = add 2000 after the specified digits in 5005.

1213> 2000> NONE=> 01 EXE = add 2000 after the specified digits in table 01.

Send name to network

Assign name display to each extension, CMD 770, or use PCPro system data view. Expand CMD 7X to 77, expand to 771 = station name assignment.

15156> 00~15> 1 EXE = send name to network by feature class.

35268> 10> 0 EXE = allow names to network over voice trunk route.

08> 502> 0 EXE = send prime line name from sub line.

Testing

Assign an access code for direct route selection. EX: 200>*0>110 EXE. Dial locally provided test numbers.

7 digit local, EX: 555-1212

10 digit, EX: 214-555-1212

11 digit, EX: 1-214-555-1212

EX: 1-800-555-1212

International test number, 011-613-966-949-16

The response you get determines if Telco is looking for 7, 10 or 11 digits for local and long distance calls. It also will determine if you need to test with LCR and additional program steps within the LCR tables.

Ask Telco to pulse in a test number matching an existing station number. This will help you to determine if they are sending in 3 or 4 digits.

REFER TO LCR GUIDE FOR ADDITIONAL INFORMATION.

Every effort was made to ensure content accuracy. If you detect any errors in this guide, please use the contact us button on the main page and inform us so we may verify and make corrections. This guide is intended to be just that, a guide. It is not intended to teach the novice how to program the system. There is no substitute for a trained experienced technician. If you have any reservations about using this guide then please contact an authorized NEC vender for assistance.