

# **BRI TERMINAL PROGRAMMING MADE EASY**

## **FIRST A FEW REQUIREMENTS:-**

1. The terminal device (E.g. router, modem, video codec) MUST be an ST interface.
2. The first pair from the MDF goes to the 2<sup>nd</sup> pair on the jack (outside pair) while the 2<sup>nd</sup> pair goes to the first pair of the jack (inside pair).
3. The NEAX 2000 DOES NOT REQUIRE SPID's to enable layer 2. It also does not perform SPID confirmation to the terminal equipment. If the terminal device must have an entry in the SPID field it is easiest to use the same entry as the DN (Dialed Number) for that port.
4. Each SC03 card can accommodate up to eight ISDN terminals which = four 2ILC cards.

## **NEAX 2000 IVS PROGRAMMING**

1. Assign the BRI Station Numbers to the required LENS. Each station = 128K thus the 2ILC card has the capability of 2 stations 128+128 = 256K  
CM 10>LEN #>EFX-EFXXXX (Assigned to level 0 and 1 of the LT slot)
2. Assign the ICH card (SC03).  
CM 05>Wheel No. (04~15)>13
3. Assign the ICH Number to the slot of the ICH card assigned in CM 05.  
CM 0609>ICH No. (00~15)>Wheel No. assigned in step 2. (Note: First ICH used should always be 00).
4. Assign the ISDN Station Number to the ISDN Circuit Number on the ICH card.  
CM AC00>XXY>ISDN Station number assigned in step 1.  
Where XX=ICH No. (00~15 see step 3) and Y=0~7 Circuit # on the ICH (SC03) card.
5. ISDN terminal protocol programming. Second data for AC01 and AC10 same as step 4.

ISDN Protocol Command	AT&T Point to Point	AT&T Point to M Point	NI 1
<b>CM AC01</b>	<b>0</b>	<b>1</b> ◀	<b>1</b> ◀
<b>CM AC10</b>	<b>1</b> ◀	<b>1</b> ◀	<b>0</b>
<b>CM 1B</b>	<b>N/A</b>	1B>CM 10/14 #,0>X-XXXX 1B>CM 10/14 #,1>X-XXXX	1B>CM 10/14 #,0>X-XXXX 1B>CM 10/14 #,1>X-XXXX

6. Station numbers matching the number plan should be assigned in CM 1B. Be aware that this CM will allow an existing station to be assigned which will cause issues. Each 1B station = 64K. Up to 8 1B stations can be assigned per circuit but only 2 can be used at one time. Typical install only 0 and 1 will be assigned.
7. When Dialing from ISDN Terminal over ISDN PRI or ISDN BRI trunks, LCR must be utilized in the dialing plan with CM 85 set for max. digits dialed.  
CM 85Y>Digit dialed>Max. digit (01~24) Where Y= 0~7 LCR development pattern.