IPKII DID Translation

1. First a **Translation Area** must be assigned for each DID trunk group, to each Mode (Day, Night, etc.) that the system is utilizing.

In this example the DID's are being received on Trunk Group 001. DID **Translation Area 1** is to be used for Day (Mode 1) while **Translation Area 2** will be used for Night (Mode 2).

2. Next Translation Tables need to be assigned to the each of the Translation Areas assigned in step 1. There is a total of 2000 tables that can be shared amongst the Translation Areas.

In this example the **Day Mode (Trans Area 01)** has been assigned a total of 150 Tables. **Night Mode (Trans Area 02)** has also been assigned a total of 150 Tables with the first 100 of these being the same Tables used with Day Mode.

Both modes share Tables 1~100 in the 1st Area. These will be utilized for the DID numbers that ring the same destinations in both Day and Night Modes. The 2nd Area contains Tables unique to the Day and Night modes. These are just for DID numbers that terminate to one location in the Day and then a different location in the Night Mode. E.g. Companies main incoming DID will ring the Front Desk Attendant in the Day Mode but terminate to the Voice Mail pilot in the night mode.

For instance a DID converted in table 12 is valid in the Day mode and in the Night Mode where as a DID converted in Table 104 will only work in the Day and not in the Night Mode. As a result the DID assigned to table 104 would have to also be assigned to another table in the range of 151~200 if it were to terminate in the system during the Night Mode.

3. Finally the actual DID numbers can be translated to their termination using the Translation Tables assigned with 22-11. The received DID can be any number as long as it matches the DID digit length set in 22-09-01 for the trunk Group.

System Data
Apply   Cancel   Copy

22-11: DID Translation Table

DID Translation Table Entry (1-2000)   [1]

01 - Received Number   [1102]

02 - Target Number   [102]

03 - Dial-in Name   [DID 102]

In this example Translation Table Entry **1** is taking DID **1102** and routing it to station **102**. From the previous page (Program 22-10) you can see Tables 1~100 will route DID's in both Day and Night Modes.

System Data
Apply   Cancel   Copy

22-11: DID Translation Table

DID Translation Table Entry (1-2000)   [101]

01 - Received Number   [1100]

02 - Target Number   [200]

03 - Dial-in Name   [Main # Day]

Here Table Entry **101** is routing the Companies Main incoming DID **1100** to Car/Virtual extension **200** on the front Desk station.
From the previous page (Program 22-10) you can see Table **101** will route a DID in the Day Mode only. Once the system is placed in Night Mode this Table Entry has no effect.

System Data
Apply   Cancel   Copy

22-11: DID Translation Table

DID Translation Table Entry (1-2000)   [151]

01 - Received Number   [1100]

02 - Target Number   [300]

03 - Dial-in Name   [Main # Night]

Here Table Entry **151** is routing the Companies Main incoming DID **1100** to Voice Mail Pilot **300**.
From the previous page (Program 22-10) you can see Table **151** will route a DID in the Night Mode only. Once the system is placed in Day Mode this Table Entry has no effect.

Additional Translation Options

See below for a brief description of options available with Program 22-11.

System Data

Apply　　Cancel

22-11: DID Translation Table

DID Translation Table Entry (1-2000)　[2]

Field	Value
01 - Received Number	1199
02 - Target Number	102
03 - Dial-in Name	DID Test
04 - Transfer Operation Mode	No Answer
05 - Transfer Target 1	2
06 - Transfer Target 2	202
07 - Call Waiting	☐
08 - Maximum Number of Calls	0
09 - MOH Source	MOH Tone
10 - ACI Music Source Port	0
11 - Intercept Ring Group Transfer	☑

If the **Target Number** is not assigned, the call will route immediately to **Transfer Target 1** (TT1). If there is an entry it will route to **TT 1** based on the **Transfer Operation Mode** (TOM) in 22-11-04. In this example 102 will route to Ring Group 2 in a No Answer situation following the timer in 22-01-06. See *Note1.*

Name that will appear in the top line of the display of a Multiline set.

If the **TOM** is set to **No Transfer** incoming calls will only route to the first Target assigned in 22-11. If set to one of the three transfer modes, it will follow that mode through all assigned Targets. See *Note 2.*

If **Transfer Target 1** is **not** assigned, the call will immediately route to **Transfer Target 2**. In this example all stations in Ring Group 2 will ring for the period of the timer set in 22-01-07 and then route to TT2. See *Note 3* for possible Transfer Target destinations.

If **Transfer Target 2** is **not** assigned, the call will immediately route to **Intercept Ring Group Transfer** option. In this example Dept Group 2 will ring for the period of the timer set in 22-01-08 and then route to the Intercept Ring Group. See *Note 3* for possible Transfer Target destinations.

This is the maximum number of calls allowed to the particular DID at one time. 0 is unlimited.

The MOH type can be selected for the individual DID. If ACI is selected the ACI Port must then be assigned in 22-11-10.

The final target, if selected, is the **Intercept Ring Group Transfer**. This is a Ring Group assigned per DID Translation Area Table (See step 1). The default is Ring Group 1 for all DID Translation Tables. The ring group the call goes to can be changed with CM **22-12**.

Note 1. If regular call forward is set to the Target station the call will follow the forwarding as long as the timer in 24-02-03 is set lower that the timer set in 22-01-06. If both timers are set the same the first Target in program 22-11 will have precedence over the Call Forward destination.

Note 2. For the Transfer Operation to work with the Busy Mode, the Class Of Service for the Target Station (20-06-01) must have the features "Call Queuing" (20-09-07) and "Second Call for DID" (20-09-01) disabled.

Note 3. The valid entries Transfer Targets for 1 and 2 are…
- 0 = No setting. This will have the call skip this target.
- 1~100 = Ring Groups 1 through 100.
- 102 = The VM pilot assigned in 45-04-01.
- 103 = The centralized VM in a CCIS network.
- 201~264 = Dept Groups 1 through 64.
- 400 = Valid extension. Provides dial tone allowing caller to dial a station only.
- 501~548 = DISA/VRS Message.
- 601~699 = InMail Message Box.
- 1000~9999 = Speed Bin Number (000~999)

Dial-in Mode Switching

This feature allows the change in DID termination on an individual DID basis. This is helpful when multiple companies share the same T1 span but need to set night mode at different times for their main incoming DID number. The feature allows a night key to change the routing of one individual DID rather than all DID's arriving in on the same assigned trunk group.

1. ***Assign The Incoming DID***

   First assign the incoming DID to a DID Translation Table (1~100). These tables have no relation to the tables found in CM 22-11. This example shows DID **2000** (Company A) is in Table 1 while DID **3000** (Company B) is in Table 2. The DID numbers entered here should not appear in CM 22-11.

2. *Setting The Time Patterns/Night Modes*

Each of the Tables (1~100) have 8 possible **Time Patterns** (Night Modes). Each **Time Pattern** has a **DID Translation Entry** which is an entry in CM 22-11 (See step 3). The **Time Pattern** destinations are accessed based on the time of day entries or by pressing a function key on a multiline set. Starting and Ending Times are rarely used for obvious reasons as these would have the DID route this way 7 days a week, 365 days a year. This example will only use Time Patterns 1 and 2 but entries should be made to all patterns. See **Lamp Indication** (Step 7) for explanation.

Shown below is table **DID Translation Table** 1 which was assigned to DID 2000 (Company A) in step 1. DID 3000 (Company B) is assigned to table 2 so **Time Patterns** would also be set to that table but with different **DID Translation Table Entries** (for the different destinations on termination).

22-17-02: DID Translation Table Area Time Pattern Setup

DID Translation Table (1-100) [1]

Time Pattern	Starting Time	Ending Time	DID Translation Table Entry
1	00:00	00:00	400
2	00:00	00:00	401
3	00:00	00:00	401
4	00:00	00:00	401
5	00:00	00:00	400
6	00:00	00:00	400
7	00:00	00:00	400
8	00:00	00:00	400

3. The **DID Translation Entries** can then be assigned in CM 22-11. These tables (400 and 401 in the example above) do not have a **Received Number** assigned only the **Target Number**. The **Received Number** was previously assigned in 22-17 (Step 1).

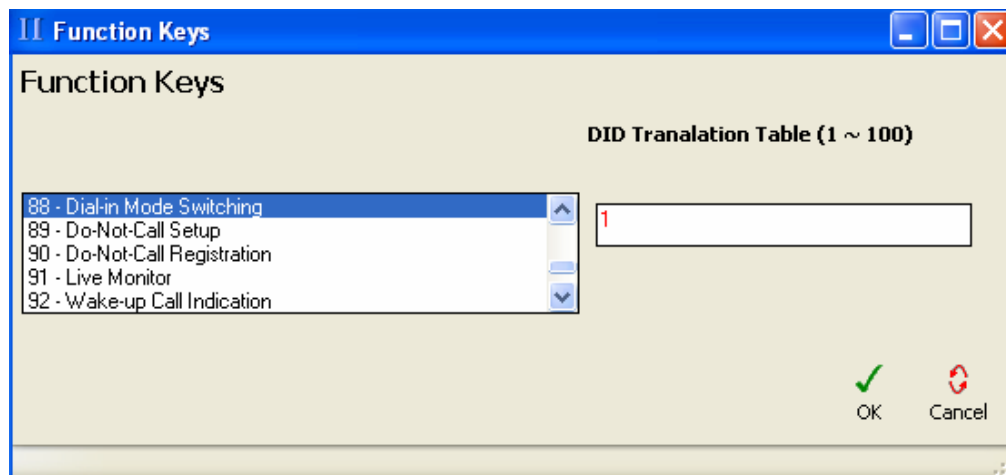| 22-11: DID Translation Table		22-11: DID Translation Table	
DID Translation Table Entry (1-2000)	400	DID Translation Table Entry (1-2000)	401
01 - Received Number		01 - Received Number	
02 - Target Number	101	02 - Target Number	3999
03 - Dial-in Name	Cmpy A Day	03 - Dial-in Name	Cmpy A Night

4. *Attendant COS*

    To allow the attendant to depress the function key for this feature it must first be allowed in the Administrator Level COS.

    CM 20-07-26 must be enabled for the COS of the Attendant or the station for whom this feature is required.
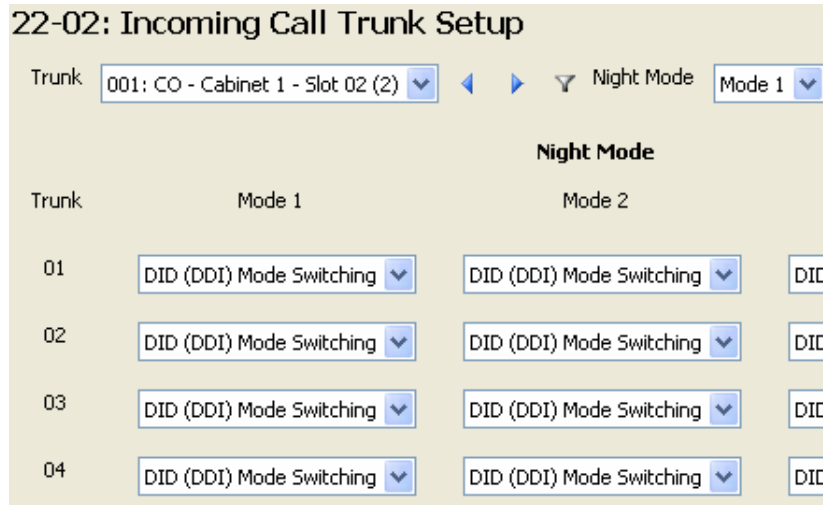
5. *Adding the Feature Key*

    The function key 88 must then be assigned to the key of the Muitline set for use as the Night Mode/ Time Pattern change key. When selected in **CM 15-07** the Function Key 88 will also require the entry of the DID Translation Table (001~100 from step 1) that it is to control. In the Example a key for Table 1 would be assigned on key for the attendant of Company A (**DID 2000**) while a key for Table 2 (**DID 3000**) would be assigned to a key on the attendant of Company B

Function Keys

Function Keys

DID Tranalation Table (1 ~ 100)

88 - Dial-in Mode Switching
89 - Do-Not-Call Setup
90 - Do-Not-Call Registration
91 - Live Monitor
92 - Wake-up Call Indication

1

OK   Cancel

6. *Trunk Setup*

The final assignment is setting the trunks in CM 22-02 for this feature. This assignment will not effect regular DID translation utilizing CM's 22-10, CM 22-11, and CM 22-13.

7. *Using the feature*.

From the attendant position simply press the assigned function key and see the following in the display.

DDITable001:
Pattern(1-8)? 1
List   Dir   ICM   Prog

In this example the Attendant (Company A) would then press 2 on the key pad for Time Pattern 2 (Night Mode) and the function key will light solid red while the Display will show as follows….

If the key does not respond when pressed go back and check steps 4 and 6.

Table001
Pattern 2
List   Dir   ICM   Prog

To return to Time Pattern 1 (Day Mode) depress the key again followed by a 1 on the dial pad.

Key Lamp Indication

Time Pattern 1	No LED
Time Pattern 2	Solid Red LED
Time Pattern 3	Flashing Red LED (0.5 sec on 0.5 sec off)
Time Pattern 4	Flashing Red LED (0.25 sec on 0.25 sec off 0.25 sec on 0.5 sec off)
Time Pattern 5	No LED
Time Pattern 6	No LED
Time Pattern 7	No LED
Time Pattern 8	No LED

From the above you can see that only Time Patterns 2 ~ 4 have any LED status. The key cannot be limited to certain patterns like the standard Night Mode key which leaves room for possible end user error. The user may accidentally press 5 through 8 on the dial pad, which gives the same indication as pressing a 1, when trying to place the system back to Time Pattern 1 (Day Mode). This is why it is recommended to assign all Time Patterns to a DID Translation Table Entry in CM 22-17-02.