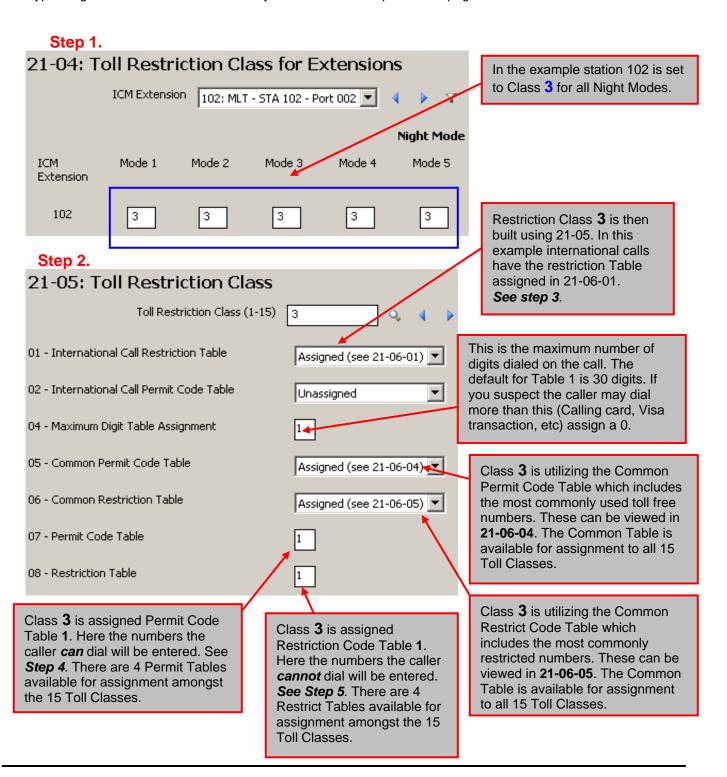# IPKII TOLL/CODE RESTRICTION

The following is an example of how to set toll restriction for a station (102) to allow local, toll free, 911, and some long distance calls to surrounding areas.

All stations, by default, in the IPKII, are in class 2 which has some default restrictions. All trunks are, by default, in Class 1 (**21-21-01**) which has no default restrictions.

Bypassing Toll restriction with different system features is explained on page **4**.
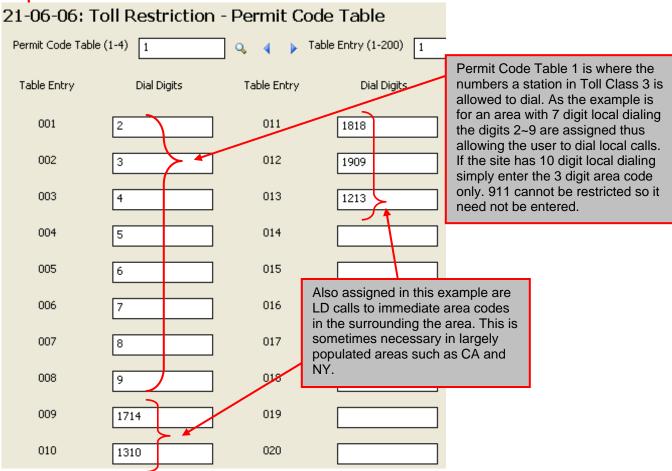
Step 1.

21-04: Toll Restriction Class for Extensions

ICM Extension [102: MLT - STA 102 - Port 002 ▼] ◄ ►

Night Mode

ICM Extension	Mode 1	Mode 2	Mode 3	Mode 4	Mode 5
102	3	3	3	3	3

In the example station 102 is set to Class **3** for all Night Modes.

Step 2.

21-05: Toll Restriction Class

Toll Restriction Class (1-15) [3] 🔍 ◄ ►

01 - International Call Restriction Table	Assigned (see 21-06-01) ▼
02 - International Call Permit Code Table	Unassigned ▼
04 - Maximum Digit Table Assignment	1
05 - Common Permit Code Table	Assigned (see 21-06-04) ▼
06 - Common Restriction Table	Assigned (see 21-06-05) ▼
07 - Permit Code Table	1
08 - Restriction Table	1

Restriction Class **3** is then built using 21-05. In this example international calls have the restriction Table assigned in 21-06-01. *See step 3*.

This is the maximum number of digits dialed on the call. The default for Table 1 is 30 digits. If you suspect the caller may dial more than this (Calling card, Visa transaction, etc) assign a 0.

Class **3** is utilizing the Common Permit Code Table which includes the most commonly used toll free numbers. These can be viewed in **21-06-04**. The Common Table is available for assignment to all 15 Toll Classes.

Class **3** is assigned Permit Code Table **1**. Here the numbers the caller **can** dial will be entered. See **Step 4**. There are 4 Permit Tables available for assignment amongst the 15 Toll Classes.

Class **3** is assigned Restriction Code Table **1**. Here the numbers the caller **cannot** dial will be entered. **See Step 5**. There are 4 Restrict Tables available for assignment amongst the 15 Toll Classes.

Class **3** is utilizing the Common Restrict Code Table which includes the most commonly restricted numbers. These can be viewed in **21-06-05**. The Common Table is available for assignment to all 15 Toll Classes.

Step 3.

21-06-01: Toll Restriction - International Call Restrict Code Table

Table Entry	Dial Digits
01	011
02	

The International Call Restrict Code Table should have 011 entered as this will restrict any international call made by a station in Restriction Class 3.

Step 4.

21-06-06: Toll Restriction - Permit Code Table

Permit Code Table (1-4) [1]   🔍 ◀ ▶   Table Entry (1-200) [1]

Table Entry	Dial Digits	Table Entry	Dial Digits
001	2	011	1818
002	3	012	1909
003	4	013	1213
004	5	014	
005	6	015	
006	7	016	
007	8	017	
008	9	018	
009	1714	019	
010	1310	020	

Permit Code Table 1 is where the numbers a station in Toll Class 3 is allowed to dial. As the example is for an area with 7 digit local dialing the digits 2~9 are assigned thus allowing the user to dial local calls. If the site has 10 digit local dialing simply enter the 3 digit area code only. 911 cannot be restricted so it need not be entered.

Also assigned in this example are LD calls to immediate area codes in the surrounding the area. This is sometimes necessary in largely populated areas such as CA and NY.

Step 5.

21-06-07: Toll Restriction - Restrict Code Table

Restriction Code Table (1-4) `1`   🔍 ◀ ▶   Table Entry (1-60) `1`

Table Entry	Dial Digits	Table Entry	Dial Digits
01	1213555	11	
02	1310555	12	
03	1714555	13	
04	1818555	14	
05	1909555	15	
06	411	16	
07	1@@@@@@	17	
08		18	

> Restrict Code Table 1 is where the numbers a station in Toll Class 3 **CANNOT** call are assigned.
> In this example you can see directory assistance dialing has been restricted in the allowed LD area codes as well as locally.

> To restrict all other LD calls the digit 1 is added with 6 @ signs. This MUST be done to match the digit length of previous entries starting with 1.

Additional restriction Notes

- To restrict directory services to all LD area codes, an entry to the Restrictions Table of 1@@@555 should be added.
- Additional call restrictions, including station to station internal calls, can be added with 21-05-09 through 21-05-15.
- 911 calls cannot be restricted with Code Restriction.
- Toll Restriction for a station may be changed based on the Night Mode the system is utilizing.
- Toll restriction can be manually changed by an attendant using the Code Restriction, Dial Block feature. This is very helpful in Hotel installs where a room phone may need to have a Restriction Class change based on the tenant who has occupied the room. See *Bypassing Toll Restriction*.
- The Code Restriction Override feature overrides a stations Restriction Class by entering a pre-assigned code for each restricted station. Once the Override code is entered all restriction is removed for the next immediate trunk call. The code must be re-entered for each additional call that is ordinarily restricted at that station. See *Bypassing Toll Restriction*.
- **21-01-10** If this option is programmed with an entry other than 0, a call does not have a talk path unless the user dials, at least, the number of entries entered in this option when placing an outgoing call. This option should be kept at its default setting of 0 to prevent any issues with 911 dialing.

Bypassing Toll Restriction
The following features can be used to override or change the toll restriction class of a station.

Code Restriction Override
Description:- The Code Restriction Override feature overrides a station's Restriction Class by entering a pre-assigned code. Each station must have an override code assigned to it. The same code can be assigned to multiple stations. Once the Override code is entered all restriction is removed for the next immediate trunk call. The code must be re-entered for each additional call that is ordinarily restricted at that station.
Programming:-
1. 11-11-34 Assign access code for feature (Default 775).
2. 20-08-06 Allow this feature for the station COS (station COS is assigned in 20-06-01).
3. 21-07-01 Assign the 4 digit override code for each station.
Operation:-
The user then simply dials the access code, followed by the 4 digit override code, then a trunk access code and number.

Walking Code Restriction
Description:- Same as Code Restriction Override only the code entered by the user is 6 digits in length. Unlike the Override code the Walking override code can be assigned to a particular restriction level. This way different users can be assigned different levels of access to numbers dialed when using their code. Also the code can be used at any code restricted station as it is not assigned to the restricted station but to a user.
Programming:-
1. 11-11-36 Assign access code for feature (Default 663).
2. 21-14-01 Enter the codes (6 digits) to be dialed by users.
3. 21-14-02 Assign the Restriction Class the code will allow the user to dial with.
Operation:-
At the restricted station a user dials the access code and their assigned Walking Override Code. Intercom dial tone is received if the code is accepted allowing the user to dial trunk access and number.

Dial Block
Description:- Dial Block enables a user to place their extension, or another extension into another Code Restriction Class to either allow or deny some, or all, trunk dialing. This feature is handy when in a hotel the front desk wishes to restrict a guest in a certain room to local or no trunk calls. The feature can also be used by the actual station owner to stop calls being made from their own phone when they are absent.
Programming:-
1. 11-10-17 Assign Supervisor access code for Dial Block to enable this feature for other stations (Default 601).
2. 11-11-33 Assign user access code to enable feature for users own station (Default 600).
3. 20-08-08 Enable the ability to set/cancel Dial Block for the COS of the station.
4. 21-09-01 Set the Restriction Class that is applied to the station when Dial Block is enabled by the Supervisor access code.
5. 21-09-02 Assign the Supervisor password (4 digits) to be used in conjunction with the Supervisor access code from step 1.
6. 21-10-01 Assign a Restriction Class per station basis when the Dial Block feature is enabled. If this is not set the station will use the class assigned in step 4. (**21-09-01**).
Supervisor Operation:-
Go off hook and dial the access code followed by the supervisor password. Then enter the station number followed by a 1 to set or a 0 to cancel.
User Operation:-
From the station to be set go off hook and dial the User access code followed by any 4 digits and then 1 to set . To cancel go off hook and dial the access code followed by the 4 digits used to set the feature and then press 0. The user must remember the 4 digit code used to set the feature in order to release it. If the user forgets the password the station can be released from telephone programming with command **90-19-01**. Once in this command enter the station number then press the **Redial** key. Enter **1** and then press **Transfer.** Exit telephone programming and the station should be released.