Toll Code Restriction

The best way to understand toll/code restriction is to study the example provided below. Once you have done that, you will realize that toll/code restrictions are not that difficult to set up. Many of the defaults are already in place and may simply need to be modified to fit your restriction plan. In this example we will be dialing 7 digits for local numbers and 11 digits for long distance numbers. Note that 911 CANNOT be restricted by these tables.

Memory Block	Data/Definition
21-04	Toll Restriction Class for Extensions. Assign a class to each individual extension for each mode that you will be using. In our example we will be using modes 1 and 2 (day + night), and extension 104. All stations by default are in class 2. Set **ICM EXTENSION 104** to class **3** for **modes 1** and **2**.
21-05	Toll Restriction Class. Select class **3**, (the class that was assigned in MB 21-04).
21-05-01	Toll Restriction Class - International Call Restriction Table. Choose the option, **Assigned (see 21-06-01).** We will look at the table entries later.
21-05-02	Toll Restriction Class - International Call Permit Code Table. Leave this as **Unassigned.**
21-05-04	Toll Restriction Class - Maximum Digit Table Assignment. This table assigns the maximum number of digits allowed to be dialed on the call. The default is table number 1 which is assigned to allow 30 digits to be dialed. Leave this at default.
21-05-05	Toll Restriction Class - Common Permit Code Table. Choose the option, **Assigned (see 21-06-04).** This table is pre-set to allow some of the more commonly permitted toll free numbers to go out.
21-05-06	Toll Restriction Class - Common Restriction Table. Choose the option, **Assigned (see 21-06-05).** This table is pre-set to restrict some of the more commonly dialed numbers.
21-05-07	Toll Restriction Class - Permit Code Table. Assign table number 1. This is where we can enter the numbers that the caller is allowed to dial.
21-05-08	Toll Restriction Class - Restriction Table. Assign table number 1. This is where we can enter the numbers that the caller is not allowed to dial.

21-06-01 Toll Restriction - International Call Restriction Code Table. The first entry in this table should be **011** to restrict international calls made by extensions assigned to class 3.

21-06-06 Toll Restriction – Permit Code Table. Choose table number 1. The entries in this table represent the numbers that the caller can dial.
Table Entry 001 = 2
Table Entry 002 = 3
Table Entry 003 = 4
Table Entry 004 = 5
Table Entry 005 = 6
Table Entry 006 = 7
Table Entry 007 = 8
Table Entry 008 = 9
Table Entry 009 = 1212
Table Entry 010 = 1947
Table Entry 011 = 1516
Table Entry 012 = 1631

21-06-07 Toll Restriction – Restrict Code Table. Choose table number 1. The entries in this table represent the numbers that the caller cannot dial.
Table Entry 01 = 1212555
Table Entry 02 = 1947555
Table Entry 03 = 1516555
Table Entry 04 = 1631555
Table Entry 05 = 411
Table Entry 06 = 1@@@@@@ = the @ sign is a wild card used to represent any digit dialed. The entry here will restrict all other long distance codes dialed except those the we specified in the permit table (21-06-06). It must match the digit length of the longest entry.

NOTES: You can restrict a common office code by entering 1@@@976. This will restrict 976 for every area code. Station to station internal calls can be restricted using MB 21-05-09 ~ 21-05-15. Code restriction override can be set up by entering a pre-assigned access code to each extension user. MB 21-01-10 should be left at the default entry of 0. An entry of anything other than 0 can result in no talk path unless the user dials the number of entries entered in this option. This may impact 911 calling.

Bypassing Toll Restriction

Code Restriction Override – By entering a pre-assigned code, the user can override toll restriction for the next call. Each call requires the input of the override code.

11-11-34 Assign an access code for the override feature. (Default code is 775).

20-08-06 Allow the feature for the station class of service. (MB 20-06-01).

21-07-01 Assign the 4 digit override code for each station.

To use it, the extension user dials the access code followed by the override code followed by a trunk access code, then, the number they wish to dial.

Walking Code Restriction – This actually the same as code restriction override but uses 6 digits for the override code instead of 4. The walking code can be assigned to a particular restriction level. It can be dialed by any user that is at a restricted station.

11-11-36 Assign an access code for the override feature. (Default code is 663).

21-14-01 Enter the 6 digit codes to be dialed by the users.

21-14-02 Assign the restriction class that the code will allow.

To use it, the caller dials the access code, then their assigned walking code. They should hear internal dial tone. Then dial a trunk access code and the number they wish to dial.

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.