



2N<sup>®</sup>

# NetStar



## How to use id tables

Quick guide

Version 1.00

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# 2N® NetStar – How to use id tables

## Identification tables

The identification tables are used for changing the calling party number. To create and modify them use the *Routing -> Identification tables* menu. The setup menu consists of two main windows – **Default setting window** and **Exceptions window**.

The screenshot displays the configuration window for an identification table named 'id\_table. Id:1'. The window is organized into several sections:

- Table Section (Exceptions):** A table with columns: Destination type, Destination, Scheme, Type, CPN prefix, Scheme, Type, Number/URI, Replace from end, Add to beginning, and Time condition. It contains two rows of data, both with 'Any' in the first two columns and 'None' in the last column.
- Advanced Settings:** Includes checkboxes for 'Advanced', 'Disable FACILITY', and 'Disable FORWARDING'. Below these are dropdown menus for 'Number plan' (Default), 'Screening' (Default), and 'Presentation' (Default).
- Default Settings:** Includes dropdown menus for 'Scheme' (Phone number), 'Type' (Unknown), and 'Number/URI' (Default). It also has input fields for 'Replace from end' (0) and 'Add to beginning'.

Red boxes in the image highlight the 'Exceptions' table and the 'Default setting' section.

## Default setting window

Parameters in this window help us to set identification parameters for all calling parties that have not been found in the Exceptions window.

Default			
Scheme	<input type="text" value="Phone number"/>	<input type="checkbox"/> Advanced	
Type	<input type="text" value="Unknown"/>	Number plan	<input type="text" value="Default"/>
Number/URI	<input type="text"/>	Screening	<input type="text" value="Default"/>
Replace from end	<input type="text" value="0"/>	Presentation	<input type="text" value="Default"/>
Add to beginning	<input type="text"/>		

**Scheme** - define whether the calling party identify itself by a Phone number, URI or it use the previous identification after passing through this row.

**Type** - define the calling party number type before identification change. Choose one of the *Unknown, Internal, Local, National, International* and *Preserve* options. Use *Unknown* if you are not sure which number type is used. Use *Type* only if the *Scheme* parameter is set to *Phone number*.

**Number/URI** – specifying the number, which will be used as a calling party identification.

**Replace from end** - specifying the count of digits from number specified in *Number/URI* parameter, which will be replaced by original internal number. If the original internal number is not transmitted, the resultant number will be as set in the *Number/URI* parameter.

**Add to beginning** - use this parameter to add specific digits to the beginning of the new number.

## Exceptions window

In exception window you can specify objects (users, virtual ports, etc.), for which will be used different setting than the default one.

Destination ...	Destination	Scheme	Type	CPN prefix	Scheme	Type	Number/...	Replace from end	Add to beginning	Time condition
Any	None	Every	Every		Phone number	Unknown		0		None
Any	None	Every	Every		Phone number	Unknown		0		None
Any	None	Every	Every		Phone number	Unknown		0		None

**Calling party determination**                      **New calling party identification**                      **Time condition**

Parameters in this window can be divided to three main groups:

### **Calling party determination**

– contains the first five columns in which is specified the calling object for which is the exception valid.

**Destination type** - in this column select a type of the calling party. Choose *Any*, *Extension*, *Group*, *Type of extension*, *User*, *Virtual port* or *Virtual port type*.

**Destination** - use this column to define a calling party of the selected type (ex. user).

**Scheme** - use this column to specify if the calling party identification should be presented as a *Phone number*, *URI* or *Every* (not specified).

**Type** - use this column to define the calling party number subtype before identification changing. Choose one of the *Unknown*, *Internal*, *Local*, *National*, *International* and *Every* options. Use *Every* if you are not sure which number type is used. You can use *Type* parameter only if the *Scheme* parameter is set to *Phone number*.

**CPN prefix (CPN – called party number)** – by this parameter you can set that the same user (station, etc.) will identify itself differently depending on the called number. If you set this parameter to 420, this row will be valid only if the called number will be 420xxxxxx.

### **New calling party identification**

– contains next five columns (six to ten). Set completely new calling party identification.

**Scheme** - define whether the calling party identify itself by a *Phone number*, *URI* or use the previous identification after passing through this row.

**Type** - define the calling party number type before identification change. Choose one of the *Unknown, Internal, Local, National, International* and *Preserve* options. Use *Unknown* if you are not sure which number type is used. Use *Type* only if the *Scheme* parameter is set to *Phone number*.

**Number/URI** – specifying the number, which will be used as a calling party identification.

**Replace from end** - specifying the count of digits from number specified in **Number/URI** parameter, which will be replaced by original internal number. If the original internal number is not transmitted, the resultant number will be as set in the **Number/URI** parameter.

**Add to beginning** - use this parameter to add specific digits to the beginning of the new number.

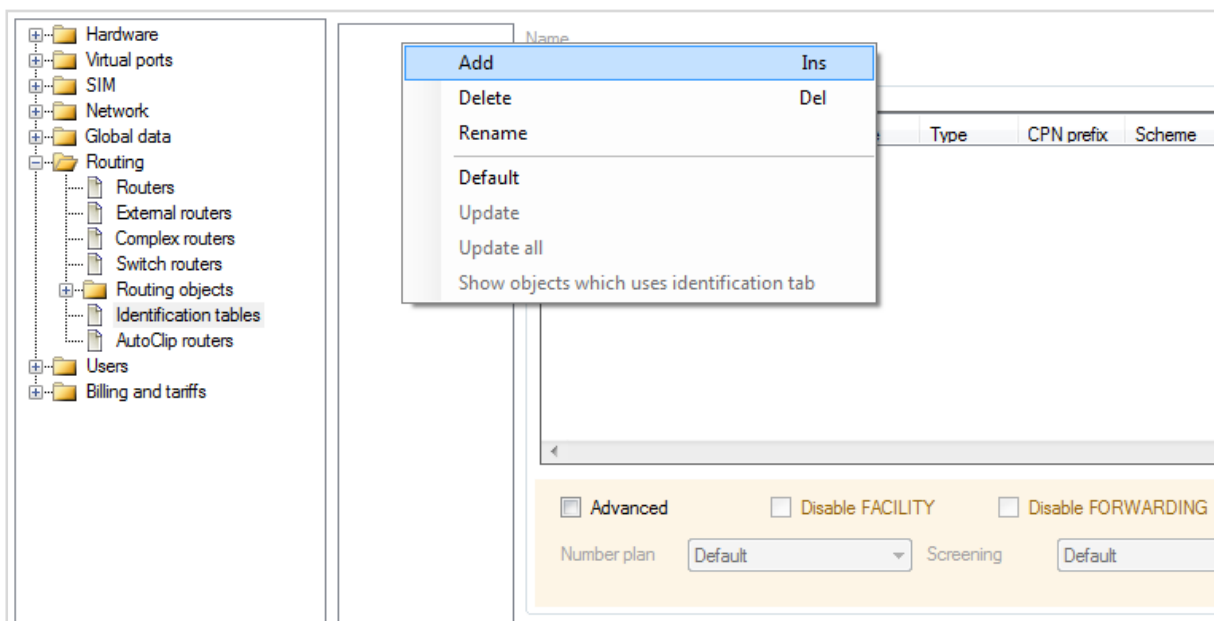
**Time conditions**

– specify time intervals during which are the exception rules valid.

## Example

NetStar is connected to the PSTN via PRI line. All outgoing calls routed via this line must identify them self as 261301xxx, where xxx is internal number of each user. Only exceptions are users “Director (600)” and “Secretary (601)”. “Director (600)” will always identify himself by number 261301999 and “Secretary (601)” according to called number by numbers 261301777 (called prefix 7) and 261301888 (other called prefixes).

- 1) Open the NetStar administrator and go to menu *Routing -> Identification tables*. Here click the right mouse button and add new id table.



- 2) In new id table erase the default parameters and set them according to picture below. By this setting you specify that all calls which are not in exception table will identify them self by number 261301000, where last three zeros will be replaced by user internal number.

Default			
Scheme	Phone number	<input checked="" type="checkbox"/> Advanced	
Type	Unknown	Number plan	Default
Number/URI	261301000	Screening	Default
Replace from end	3	Presentation	Default
Add to beginning			

- 3) When default setting is done, move to exceptions table and insert one record for user “Director (601)” and two records for user “Secretary (600)”. For director set parameter *Number/URI* to 261301999, which will secure us that the director will always identify himself by this number. In first record for secretary set parameter *CPN prefix* to 7 and *Number/URI* to 261301777. By this setting we specify that if secretary make an outgoing call to number started with prefix 7, she will identify herself by number 261301777. If she makes a call to number with any other prefix, she will be identified by number 261301888 (second record).

Destination type	Destination	Scheme	Type	CPN prefix	Scheme	Type	Number/URI	Replace from end	Add to beginning	Time condition
User	Director (601)	Every	Every		Phone number	Unknown	261301999	0		None
User	Secretary (600)	Every	Every	7	Phone number	Unknown	261301777	0		None
User	Secretary (600)	Every	Every		Phone number	Unknown	261301888	0		None

- 4) If you set everything properly, your id table should look like the table on picture below.

**id\_table** Name **id\_table. Id:1**

Consider forwarded user

Destination type	Destination	Scheme	Type	CPN prefix	Scheme	Type	Number/URI	Replace from end	Add to beginning	Time condition
User	Director (601)	Every	Every		Phone number	Unknown	261301999	0		None
User	Secretary (600)	Every	Every	7	Phone number	Unknown	261301777	0		None
User	Secretary (600)	Every	Every		Phone number	Unknown	261301888	0		None

Advanced   
 Disable FACILITY   
 Disable FORWARDING

Number plan:    
Screening:    
Presentation:

**Default**  
Scheme:      Advanced  
Type:     Number plan:   
Number/URI:     Screening:   
Replace from end:     Presentation:   
Add to beginning:

- 5) If your setting corresponds with previous picture you successfully created id table. Last thing you have to do for proper calling party identification change is assigning this table to PRI line. Go to *Virtual ports* -> *BRI/PRI* choose correct PRI port and in *Identification table* parameter choose previously created id table.

The screenshot displays a network configuration interface with three main sections:

- Left Pane (Tree View):** Shows a hierarchical structure of configuration categories. Under 'Virtual ports', the 'BRI/PRI' folder is selected.
- Middle Pane (List View):** Displays a list of ISDN BRI ports (ISDN BRI 63 to 77) and one ISDN PRI port (ISDN PRI 2 [1:5.1]).
- Right Pane (Configuration Form):** Shows the configuration for the selected 'ISDN PRI 2 [1:5.1]. Id:2' port. The 'Identification table' dropdown menu is open, showing 'id\_table' as the selected option.

At the bottom of the interface, there are tabs for 'Basic', 'Properties', 'Progress info', 'Overlap', 'Extension', 'Free minutes/SMS', 'Files', and 'St'.