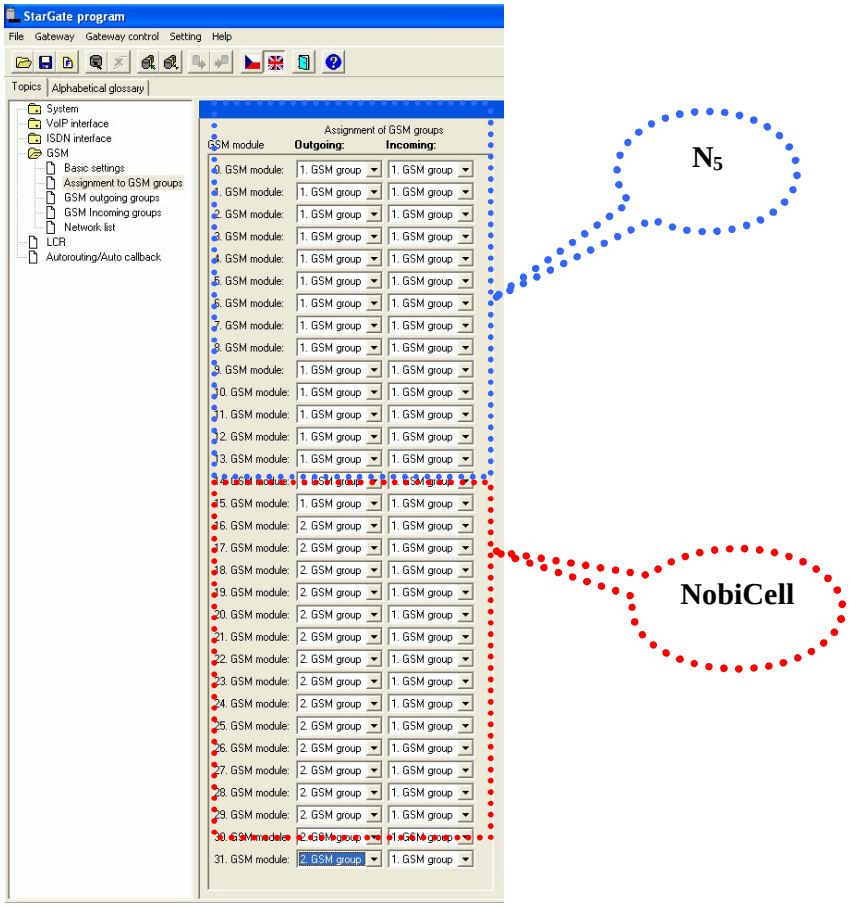
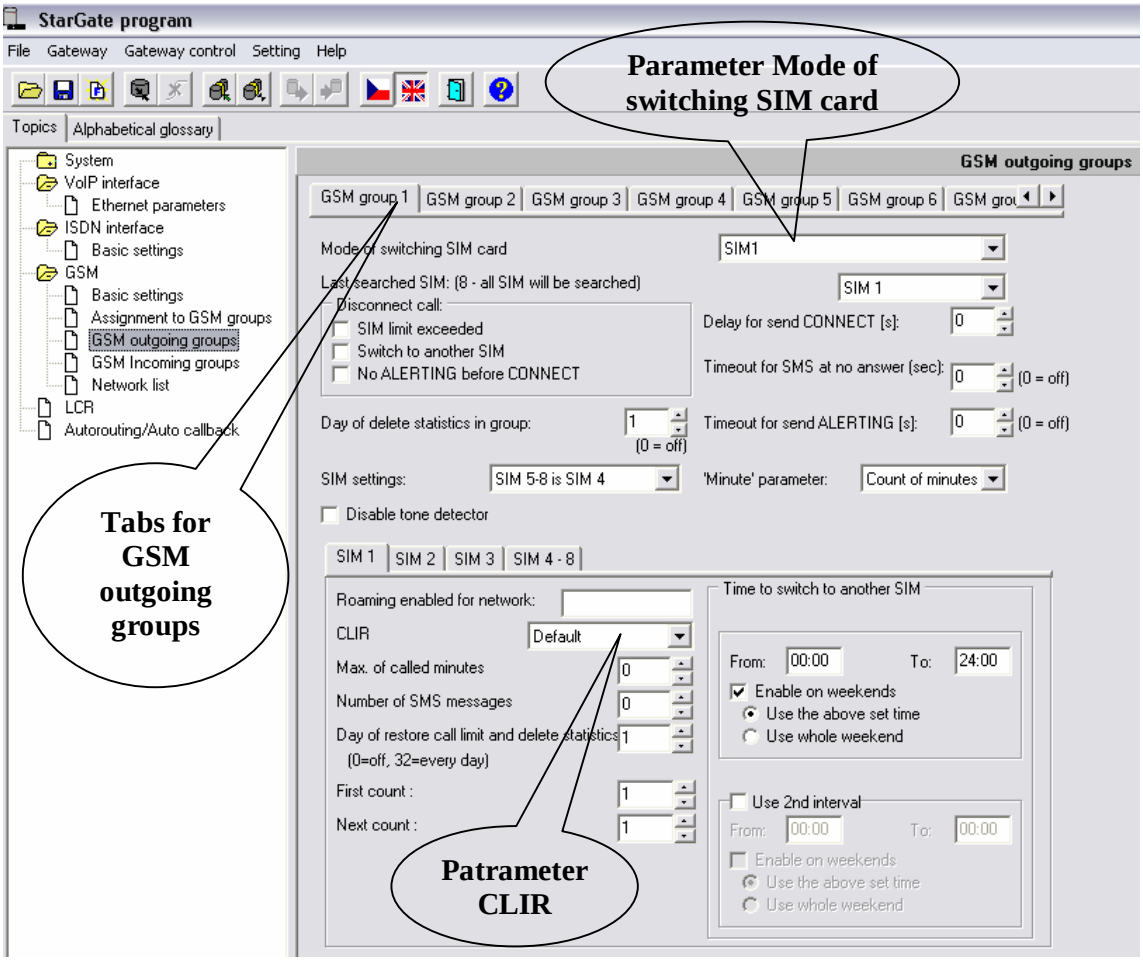
How to configure the LCR table of PRI gateway in “five” steps

Situation…
Let’s say we have SIM cards of two GSM operators (16 pcs. for each one):
The first one, we will call it N_5, it has following prefixes (602, 606, 607, 723, 724) and it requires you to dial the number from your mobile phone with the international prefix (+420). All numbers have a nine digit length with the prefix but without the international prefix
The second one, we may call it NobiCell, has the following prefixes (901, 902, 907, 909) and requires you to dial the number from your mobile phone with the prefix (0). All numbers have a nine digit length with the prefix and without “0”.

1st step We have to assign modules to two **GSM outgoing groups** (for each operator one).
The first step we have to do is place the SIM cards into the SIM holders. We will start with modules 0-15 using the N_5 operator SIMs. Modules 16-31 will follow the same procedure but using the NobiCell SIMs.



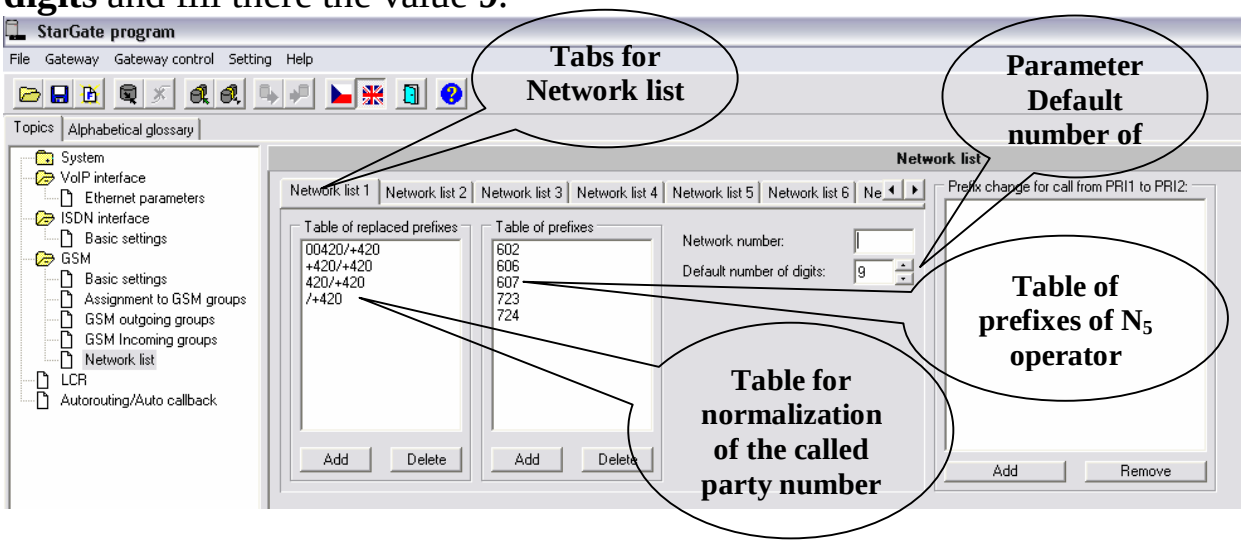
2nd step Configuration of outgoing groups.
We have to select the option **SIM1** for the **Mode of switching SIM card** (the SIM inserted in the SIM holder 1 will be used all the time).
In the parameter **CLIR** select option **Factory**.
The settings written above will configure both GSM outgoing groups.
For switching between groups you can use the tabs.



3rd step We have to create two network lists, the first one for N_5 and the second one for NobiCell.

N_5 network list:
We configure the normalization of Called party number in the **Table of replaced prefixes** (the number in front of the slash mark is replaced by number behind the slash mark, if there is not any number in front of the slash mark it is equaled to “everything”).

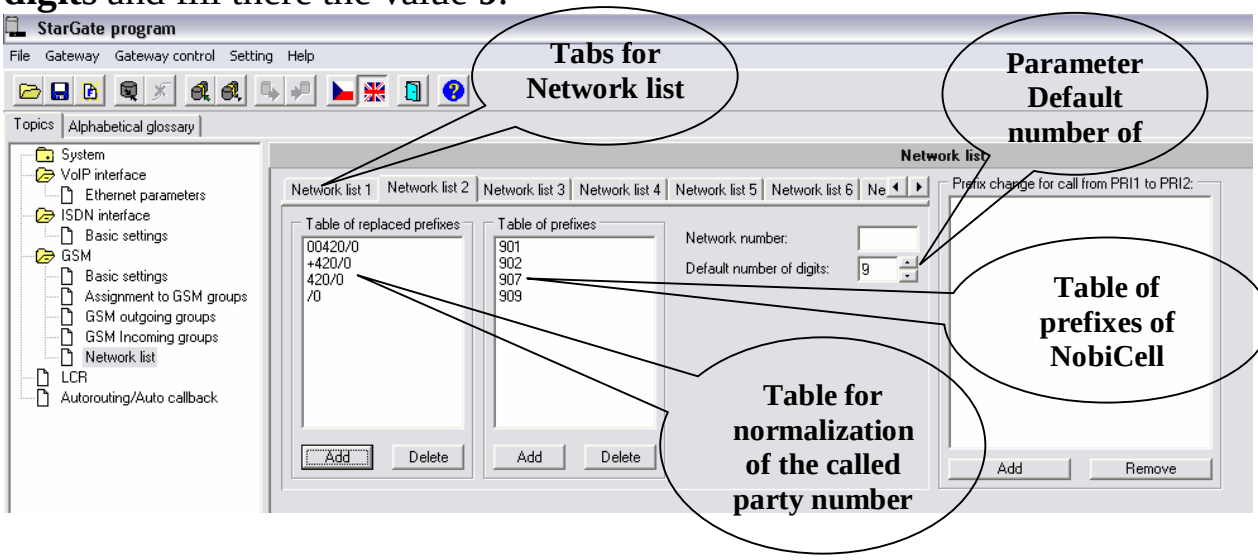
We also have to fill in the **Table of prefixes** with all prefixes of the N_5 operator. Because all numbers are 9 digits length, it is not necessary to specify for each prefix, we can use the parameter **Default number of digits** and fill there the value **9**.



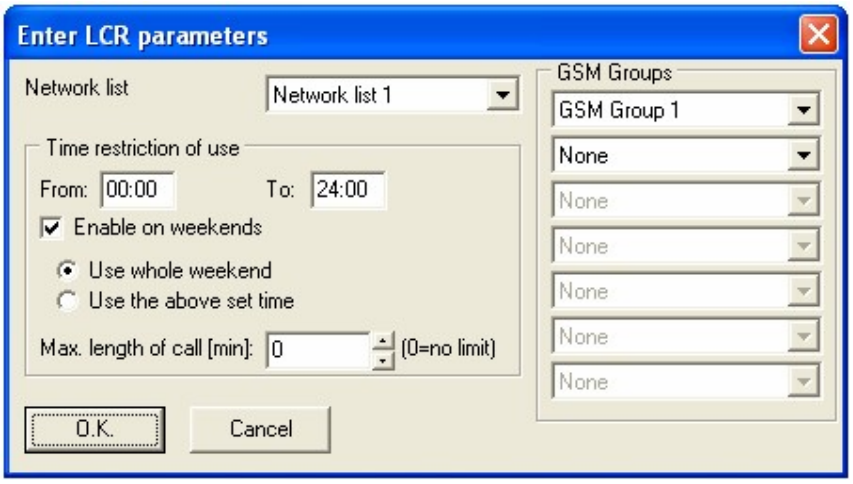
NobiCell network list:

We configure the normalization of Called party number in the **Table of replaced prefixes** (the number in front of the slash mark is replaced by number behind the slash mark, if there is not any number in front of the slash mark it is equaled to “everything”).

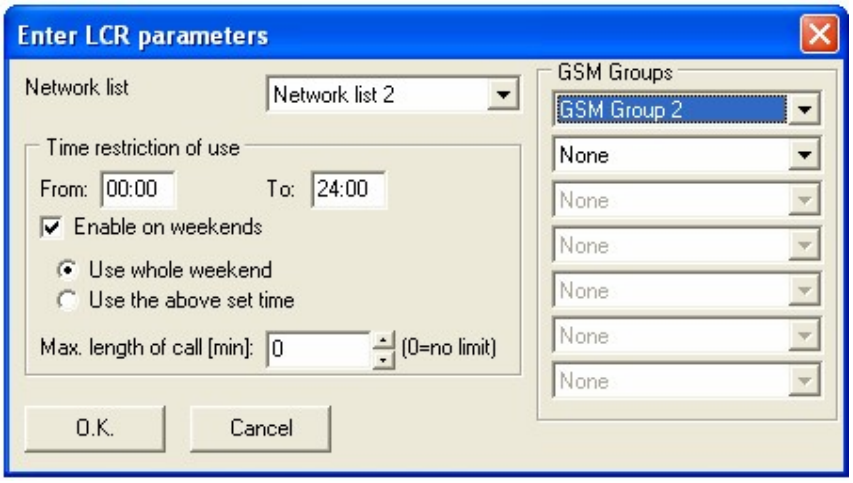
We also have to fill in the **Table of prefixes** with all prefixes of the N_5 operator. Because all numbers are 9 digits length, it is not necessary to specify for each prefix, we can use the parameter **Default number of digits** and fill there the value **9**.



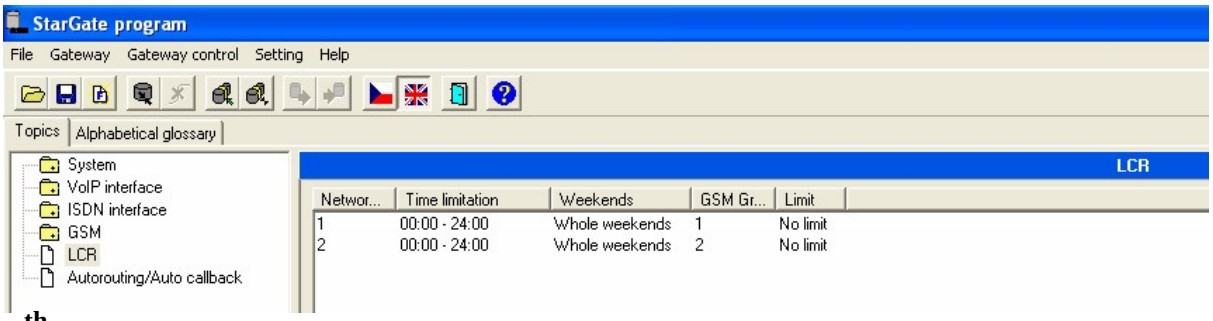
4th step We have to configure lines in the LCR table where we bind together **Outgoing GSM groups** with **Network lists.**
Click on **ADD** button to add the first line and configure it the following way for the N_5:



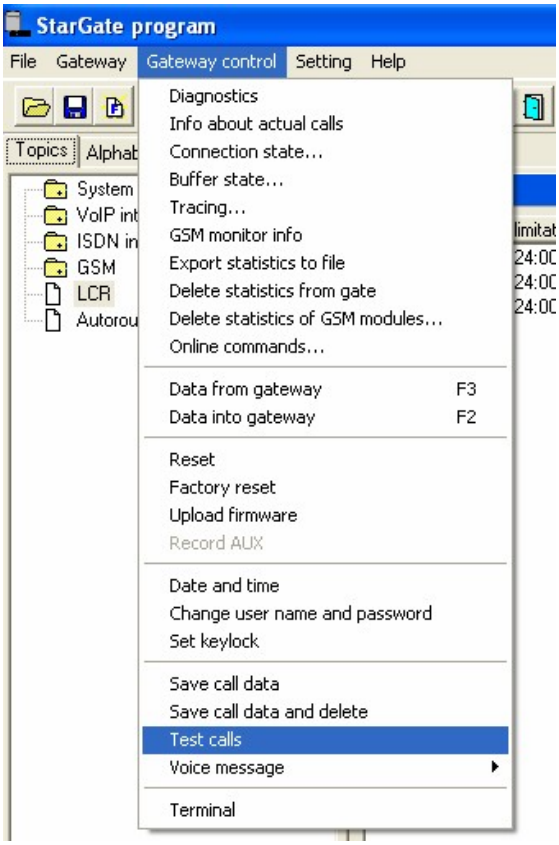
Click on **ADD** button again to add the second line and configure it the following way for the NobiCell:



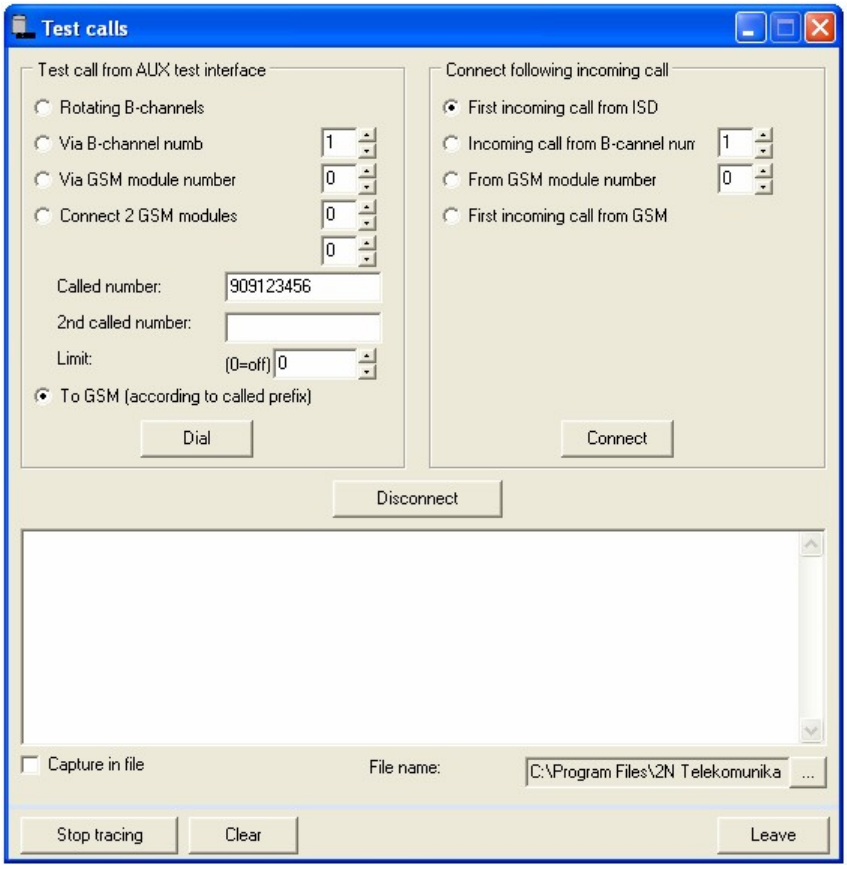
Now you can see two LCR lines in the LCR table:



5th step We have to connect the phone handset to the AUX card and make a test call. The menu for test calls we can find under **Gateway control**:



In the window select the option “To GSM (according to the called prefix). To the space **called number** the write number you want to dial (use the form of the called party number in which StarGate receives it from the PBX).
Click on the Dial button.
The call will be established to mobile phone number written in the line **called number**.


Test calls
Test call from AUX test interface
Rotating B-channels
Via B-channel numb
1
Via GSM module number
0
Connect 2 GSM modules
0
0
Called number:
909123456
2nd called number:
Limit:
(0=off)
0
To GSM (according to called prefix)
Dial
Connect following incoming call
First incoming call from ISD
Incoming call from B-cannel num
1
From GSM module number
0
First incoming call from GSM
Connect
Disconnect
Capture in file
File name:
C:\Program Files\2N Telekomunika
...
Stop tracing
Clear
Leave