



OpenScape Business V3



How To Configure SIP Trunk for VoipQ NL

Table of Contents

Configuration Data	3
Configuration Wizard	4
Internet Telephony.....	4
Internet Telephony configuration	6
Define bandwidth (# Trunks).....	9
Special phone numbers	9

Table of History

Date	Version	Changes
2020-04-30	1.0	First version
2020-09-25	2.0	Second version



Configuration Data

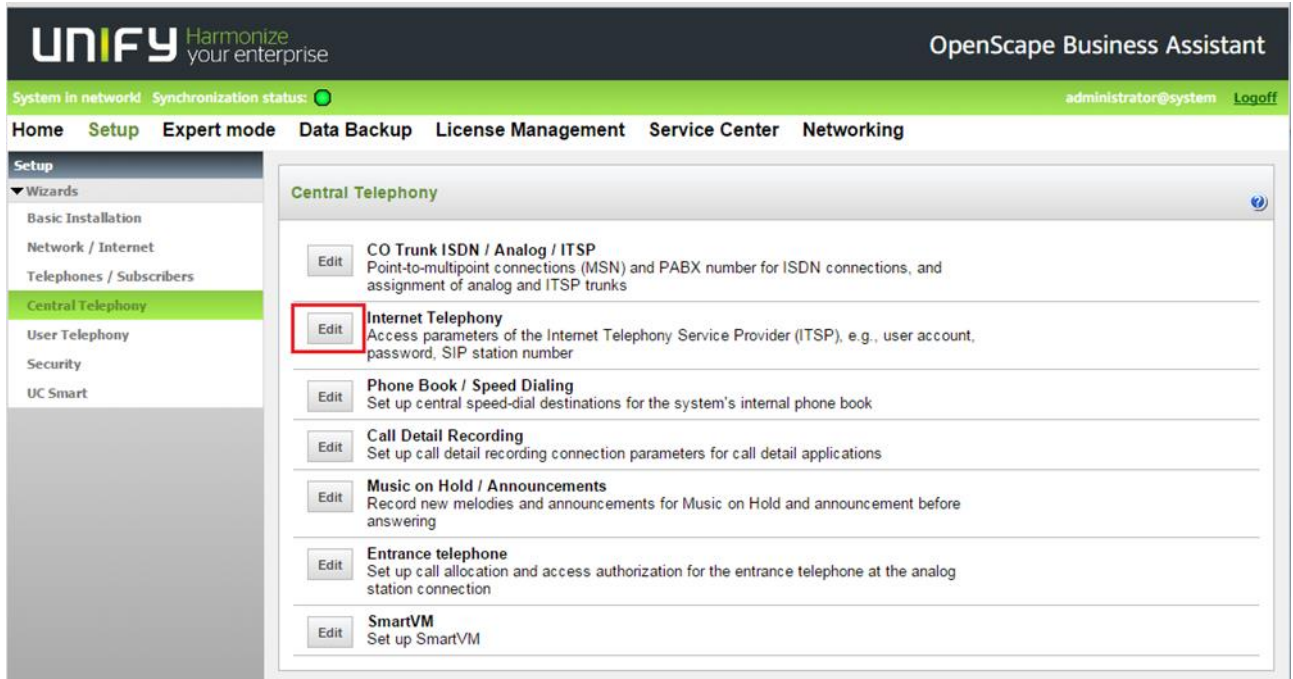
Information from ITSP VoipQ NL

Name	Example
Call Number:	(015) 7640560.....7640569
Gebruikersnaam:	0372*201
Wachtwoord:	e.g. 58#\$I19*
Number of voice-channels:	2

Configuration Wizard

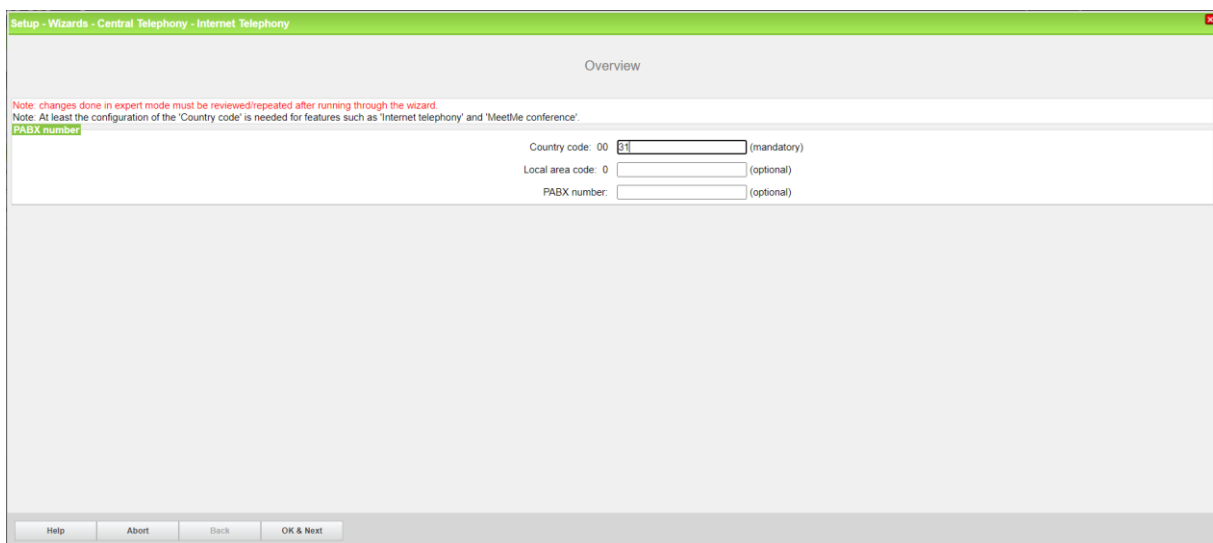
Internet Telephony

Go to „Central Telephony – Internet Telephony“



The screenshot shows the 'OpenScope Business Assistant' interface. The top navigation bar includes 'Home', 'Setup', 'Expert mode', 'Data Backup', 'License Management', 'Service Center', and 'Networking'. The 'Setup' menu is expanded, showing 'Wizards' with options like 'Basic Installation', 'Network / Internet', 'Telephones / Subscribers', 'Central Telephony' (highlighted), 'User Telephony', 'Security', and 'UC Smart'. The main content area is titled 'Central Telephony' and lists several configuration options, each with an 'Edit' button. The 'Internet Telephony' option is highlighted with a red box. Below it are 'Phone Book / Speed Dialing', 'Call Detail Recording', 'Music on Hold / Announcements', 'Entrance telephone', and 'SmartVM'.

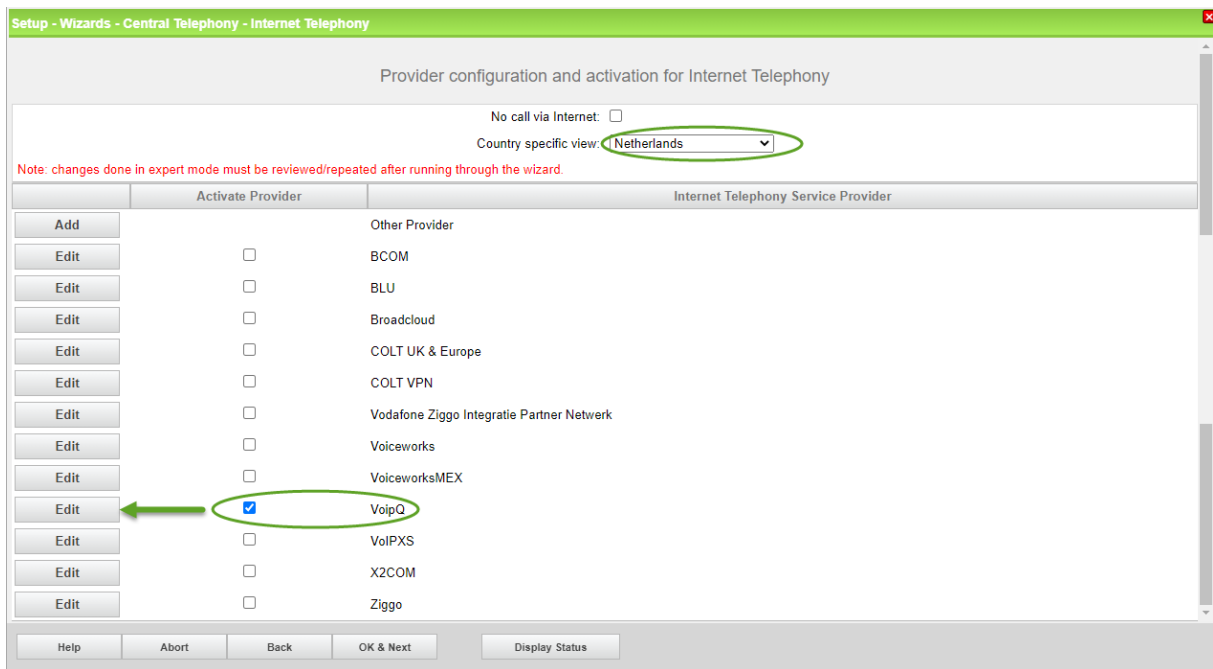
The overview page appears for entering the location data. The most flexible type of configuration is to enter the Country code only.



The screenshot shows the 'Overview' page for 'Internet Telephony' configuration. The page title is 'Setup - Wizards - Central Telephony - internet Telephony'. Below the title, there is a note: 'Note: changes done in expert mode must be reviewed/repeated after running through the wizard'. Below the note, there is a section for 'PABX number' configuration. It includes three input fields: 'Country code: 00 81 (mandatory)', 'Local area code: 0 (optional)', and 'PABX number: (optional)'. At the bottom of the page, there are buttons for 'Help', 'Abort', 'Back', and 'OK & Next'.

In this case, remaining digits are filled in DID field.
Click [OK & Next]

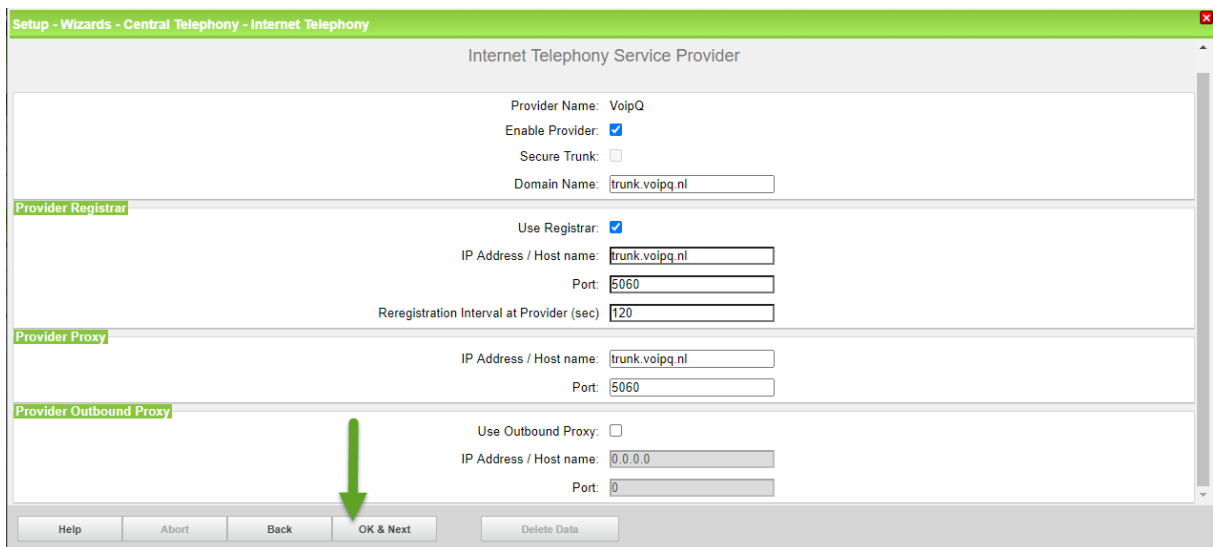
Provider configuration and activation for Internet Telephony -> No call via Internet -> uncheck
 Use County specific view : Netherlands and select VoipQ.



Activate Provider and click on [Edit].

The following settings are shown. They should not be changed.

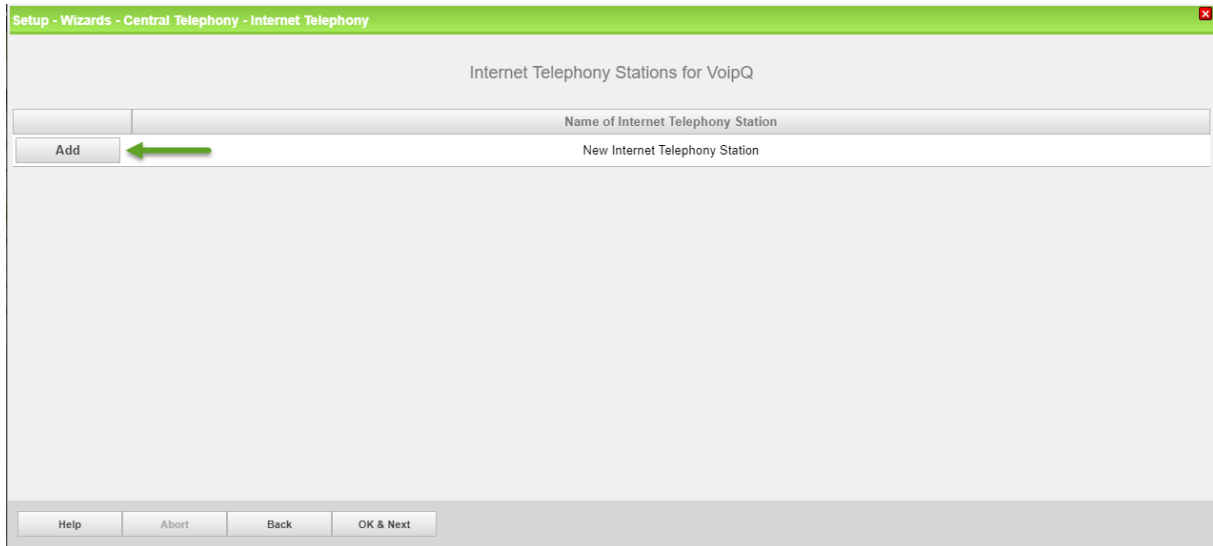
Only in case Call deflection must be used, the flag “Route optimize active” needs to be activated. In this case an external call forward will be done by the provider and the trunk channels in the system will remain free.





Internet Telephony configuration

In this dialog the specific customer SIP User data will be configured.

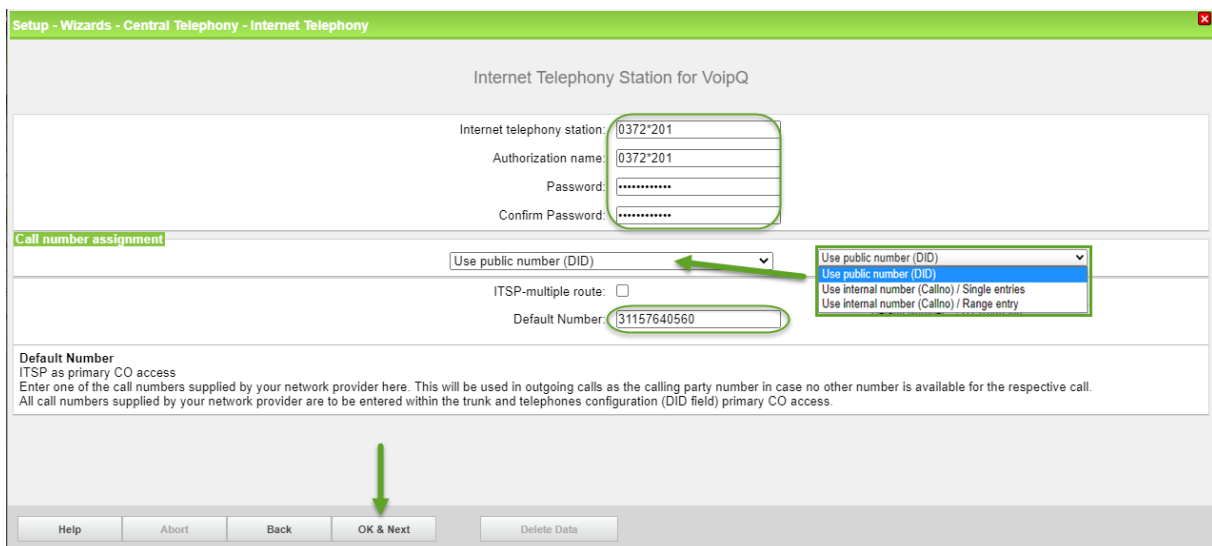


Click on [Add].

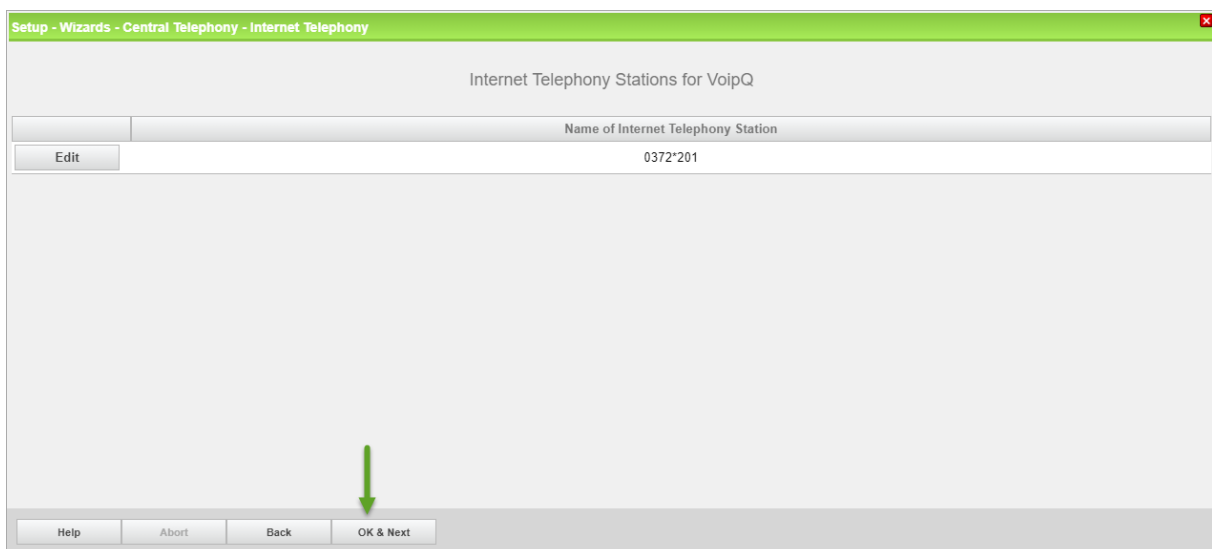
Data provided by ITSP VoipQ NL is inserted here. You will find this information on the webportal of VoipQ.



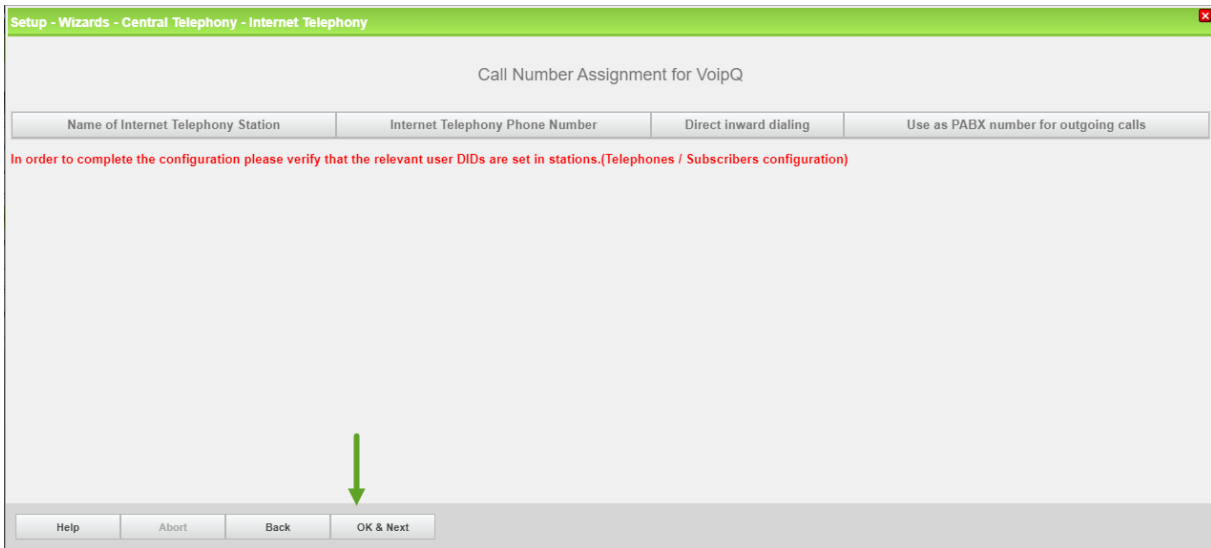
- Internet telephony station: "SIP-User" is inserted here.
- Authorization name: "SIP-User" is inserted here.
- Password: "Wachtwoord" provided by ITSP Voipq is inserted here.
- Call number assignment: select "Use public number (DID)". This is the easiest and preferred way to define the phone numbers in the system. Phone numbers are treated as a normal DID number in the system as if it was normal ISDN.
- ITSP multiple route: Must be used in case more than one account of the same provider (in this case VoipQ) has to be configured on the same system. When this flag is activated you will be able to define extra accounts.
- Default number: Main number of the connection. The default number is used as Outgoing number when no DDI number is assigned to a station. (number must be in Implicitly international format)



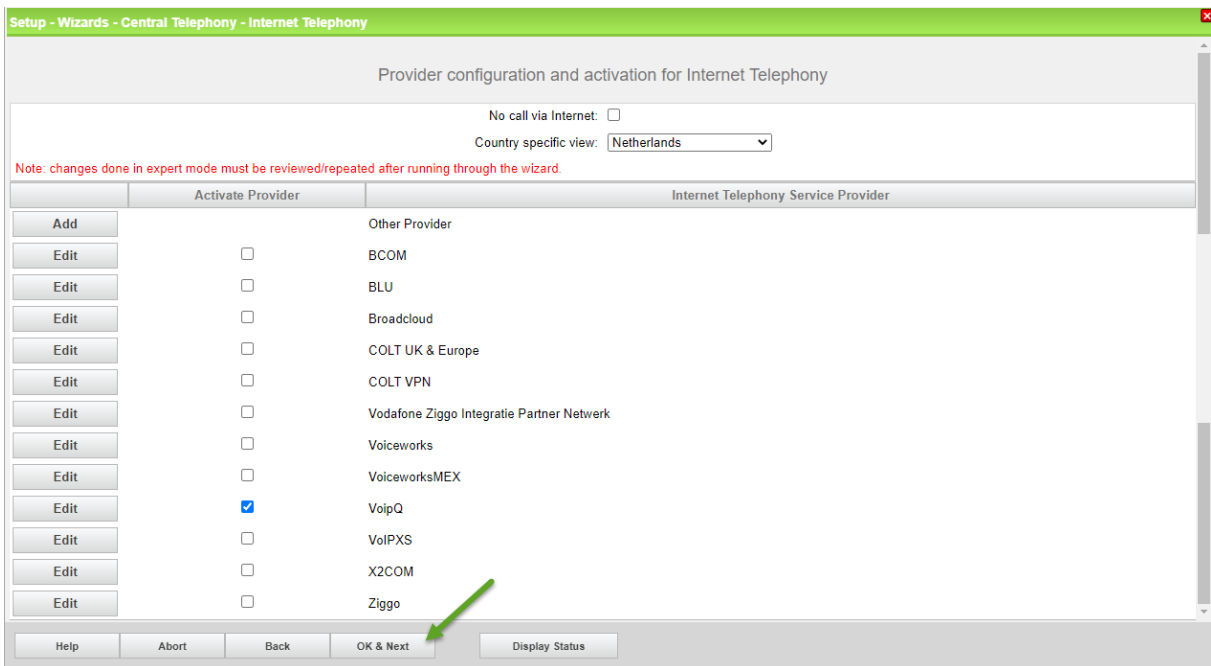
Click [OK & Next].



Click [OK & Next].



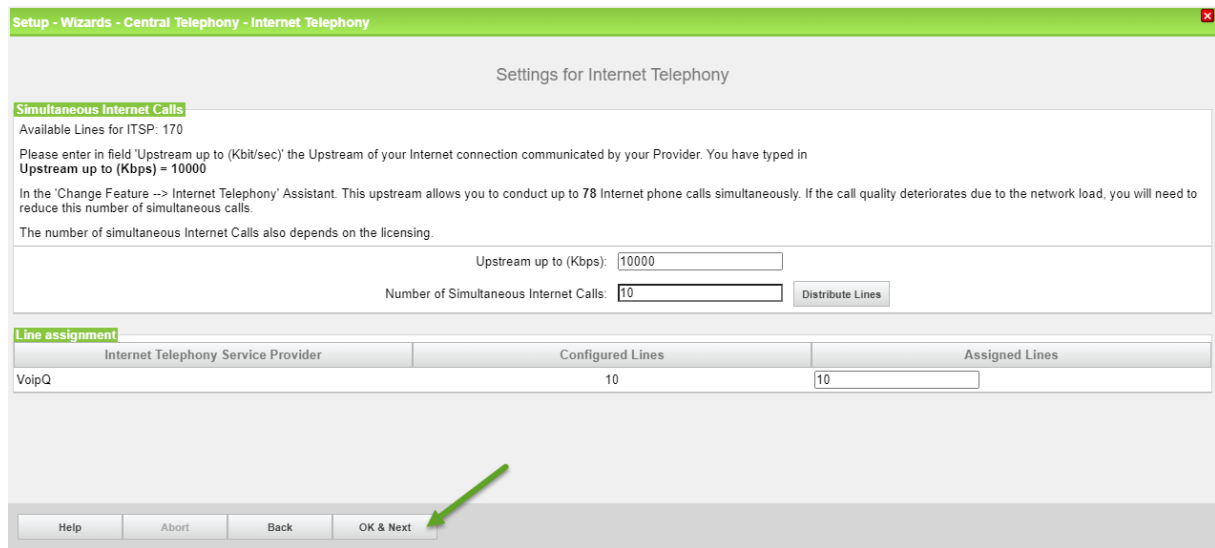
Click [OK & Next] (no input needed)



Click [OK & Next] (no input needed)

Define bandwidth (# Trunks)

In the next part the number of simultaneous calls via the SIP trunk will be defined. The calculation of the number of trunks is done by the wizard automatically depending on the bandwidth. For each 128K, one trunk is created. The number can also be defined manually.



Setup - Wizards - Central Telephony - Internet Telephony

Settings for Internet Telephony

Simultaneous Internet Calls

Available Lines for ITSP: 170

Please enter in field 'Upstream up to (Kbit/sec)' the Upstream of your Internet connection communicated by your Provider. You have typed in **Upstream up to (Kbps) = 10000**

In the 'Change Feature --> Internet Telephony' Assistant. This upstream allows you to conduct up to 78 Internet phone calls simultaneously. If the call quality deteriorates due to the network load, you will need to reduce this number of simultaneous calls.

The number of simultaneous Internet Calls also depends on the licensing.

Upstream up to (Kbps):

Number of Simultaneous Internet Calls:

Line assignment

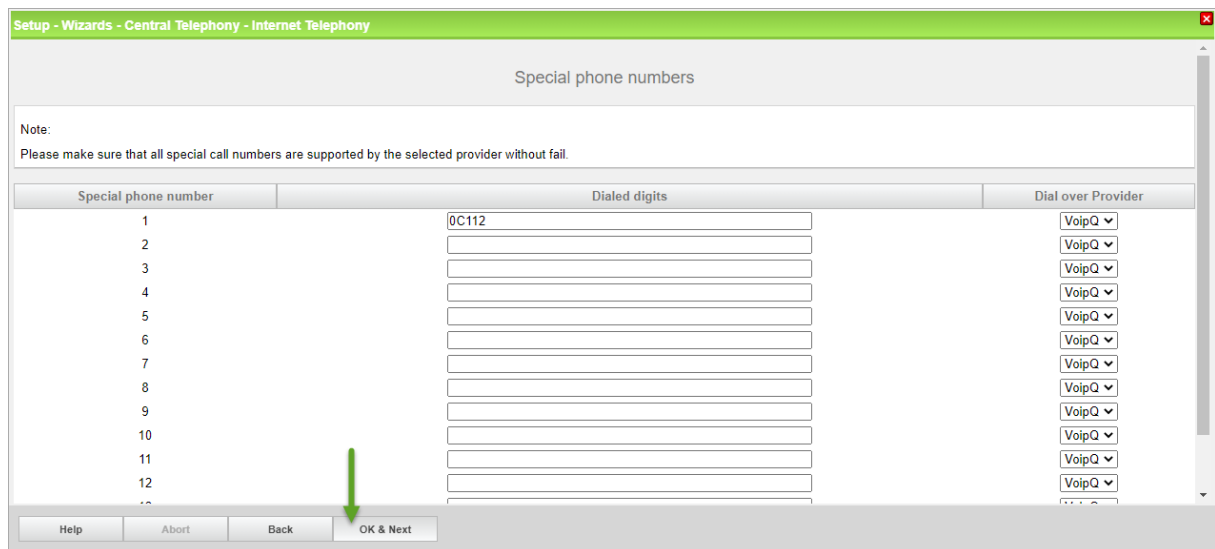
Internet Telephony Service Provider	Configured Lines	Assigned Lines
VoipQ	10	<input type="text" value="10"/>

Help Abort Back **OK & Next**

Click [OK & Next]

Special phone numbers

In this dialog it is possible to route special phone numbers. When special phone numbers are not supported over the ITSP route it is possible to change this here.



Setup - Wizards - Central Telephony - Internet Telephony

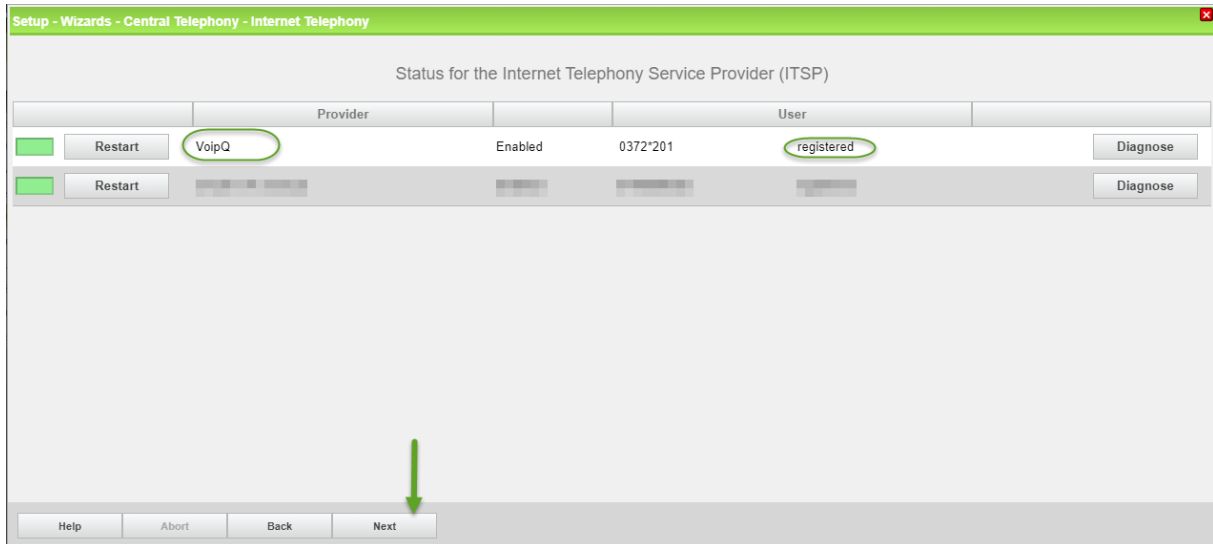
Special phone numbers

Note:
Please make sure that all special call numbers are supported by the selected provider without fail.

Special phone number	Dialed digits	Dial over Provider
1	<input type="text" value="0C112"/>	<input type="text" value="VoipQ"/>
2	<input type="text"/>	<input type="text" value="VoipQ"/>
3	<input type="text"/>	<input type="text" value="VoipQ"/>
4	<input type="text"/>	<input type="text" value="VoipQ"/>
5	<input type="text"/>	<input type="text" value="VoipQ"/>
6	<input type="text"/>	<input type="text" value="VoipQ"/>
7	<input type="text"/>	<input type="text" value="VoipQ"/>
8	<input type="text"/>	<input type="text" value="VoipQ"/>
9	<input type="text"/>	<input type="text" value="VoipQ"/>
10	<input type="text"/>	<input type="text" value="VoipQ"/>
11	<input type="text"/>	<input type="text" value="VoipQ"/>
12	<input type="text"/>	<input type="text" value="VoipQ"/>
...	<input type="text"/>	<input type="text" value="VoipQ"/>

Help Abort Back **OK & Next**

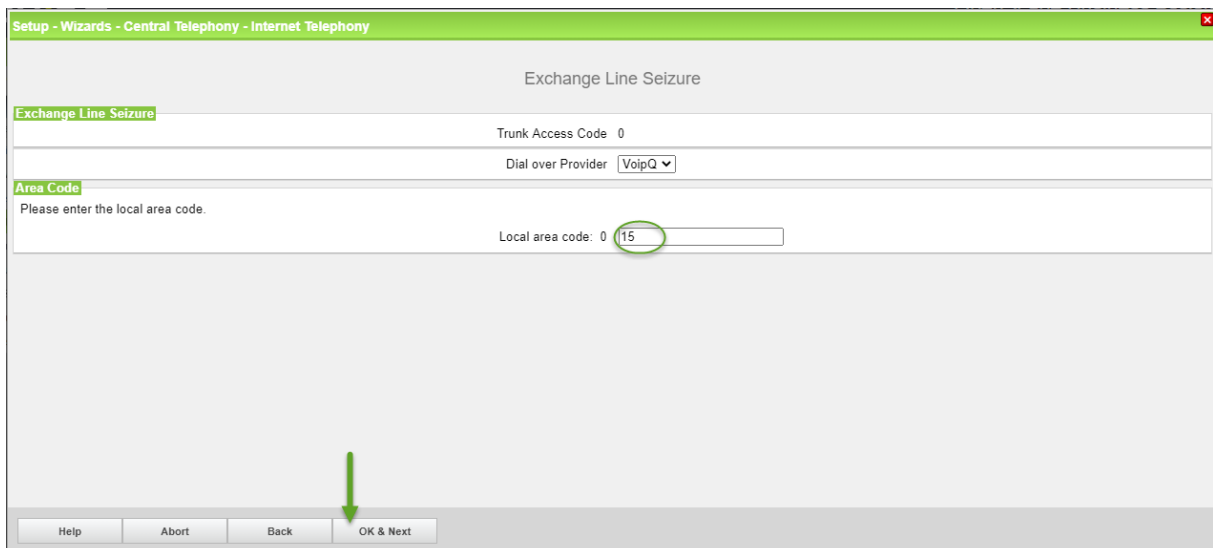
Click OK & Next and the ITSP status will be displayed



In case status LED is orange there is something wrong in the previous configuration.

After this status page the dialog with „Exchange Line Seizure“ is displayed.

Here you need to configure your own local area code. This is needed to make external calls without the area code. The LCR will be adapted accordingly.



Remarks:

Since G729 is not supported, it must be deactivated in Codec Parameters:

Codec Parameters			
Edit Codec Parameters			
Codec	Priority	Voice Activity Detection	Frame Size
G.711 A-law	Priority 1 ▾	VAD: <input type="checkbox"/>	20 ▾ msec
G.711 μ-law	Priority 2 ▾	VAD: <input type="checkbox"/>	20 ▾ msec
G.729A	Priority 4 ▾	VAD: <input type="checkbox"/>	20 ▾ msec
G.729AB	not used ▾	VAD: <input checked="" type="checkbox"/>	20 ▾ msec