



OpenScape Business V3

How to Configure SIP Trunk for X2Com België

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Table of History

Date	Version	Changes
2020-03-18	1.0	First version

Configuration Data

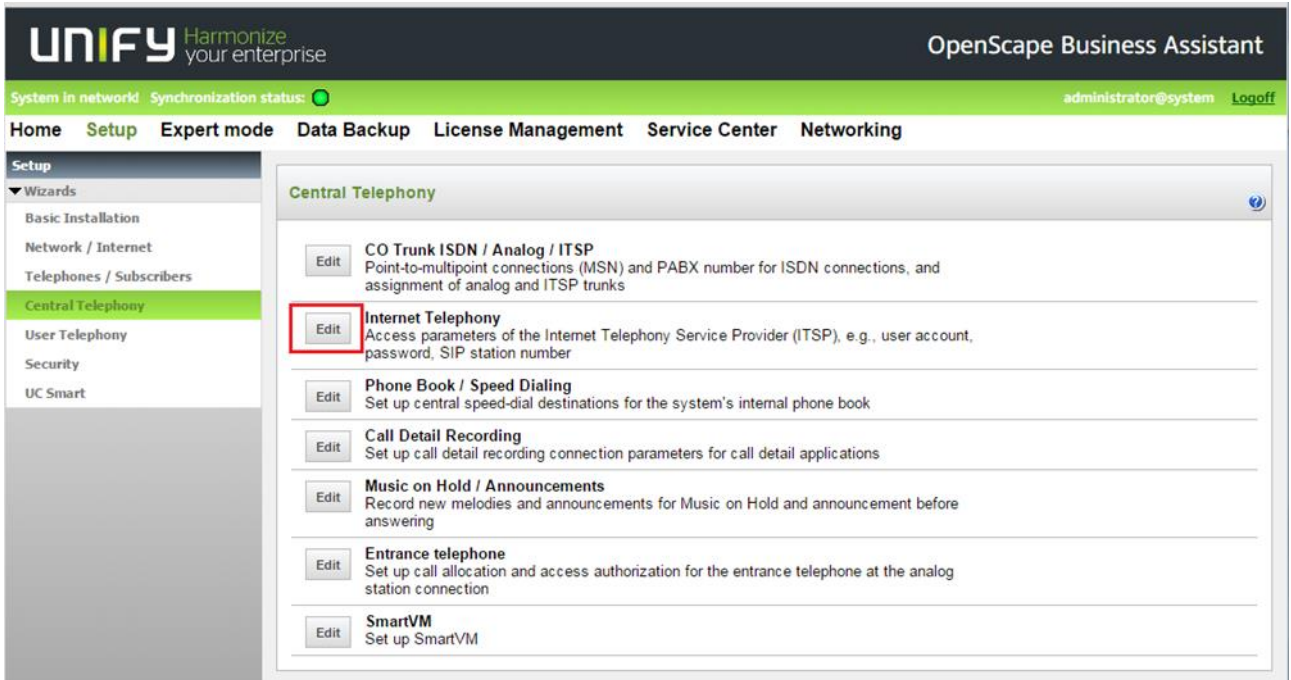
Information from ITSP X2Com België provided

Name	Example
Call Number:	(02) 4670525.....4670537
SIP Username:	3224670529
SIP Password:	e.g. : rnfwfqamzf4cpdx
Number of voice-channels:	2

Configuration Wizard

Internet Telephony

Go to „Central Telephony – Internet Telephony“



UNIFY Harmonize your enterprise

OpenScope Business Assistant

System in network! Synchronization status: ●

administrator@system [Logoff](#)

Home Setup Expert mode Data Backup License Management Service Center Networking

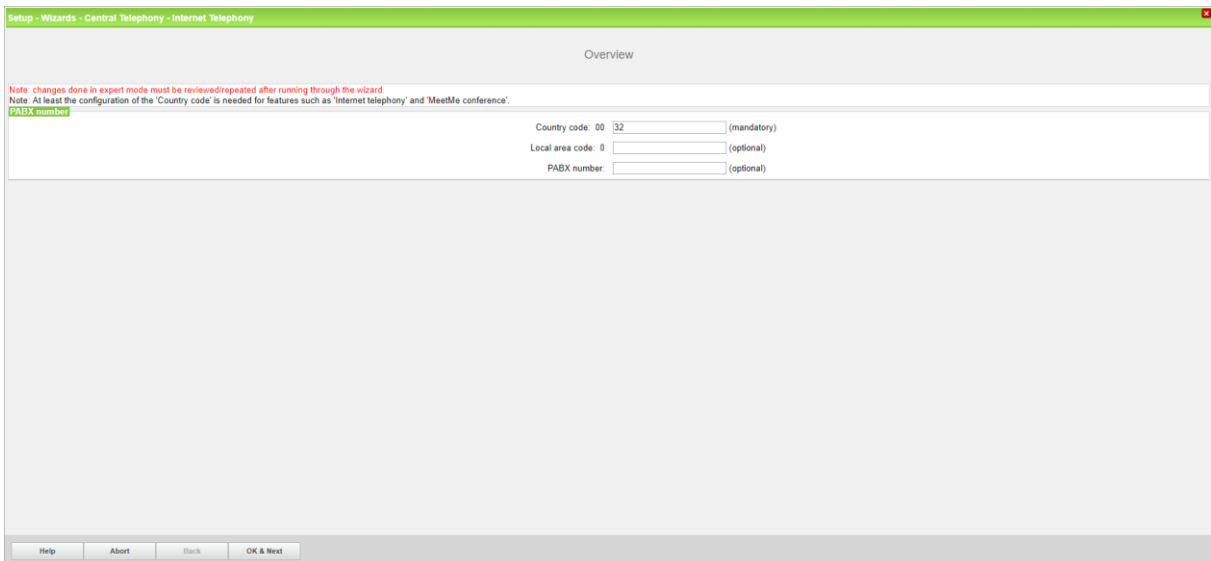
Setup

- Wizards
 - Basic Installation
 - Network / Internet
 - Telephones / Subscribers
 - Central Telephony**
 - User Telephony
 - Security
 - UC Smart

Central Telephony

- [Edit](#) **CO Trunk ISDN / Analog / ITSP**
Point-to-multipoint connections (MSN) and PABX number for ISDN connections, and assignment of analog and ITSP trunks
- [Edit](#) **Internet Telephony**
Access parameters of the Internet Telephony Service Provider (ITSP), e.g., user account, password, SIP station number
- [Edit](#) **Phone Book / Speed Dialing**
Set up central speed-dial destinations for the system's internal phone book
- [Edit](#) **Call Detail Recording**
Set up call detail recording connection parameters for call detail applications
- [Edit](#) **Music on Hold / Announcements**
Record new melodies and announcements for Music on Hold and announcement before answering
- [Edit](#) **Entrance telephone**
Set up call allocation and access authorization for the entrance telephone at the analog station connection
- [Edit](#) **SmartVM**
Set up SmartVM

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



Setup - Wizards - Central Telephony - Internet Telephony

Overview

Note: changes done in expert mode must be reviewed/repeated after running through the wizard.
Note: At least the configuration of the 'Country code' is needed for features such as 'Internet telephony' and 'MeetMe conference'.

PABX number

Country code: 00 32 (mandatory)

Local area code: 0 (optional)

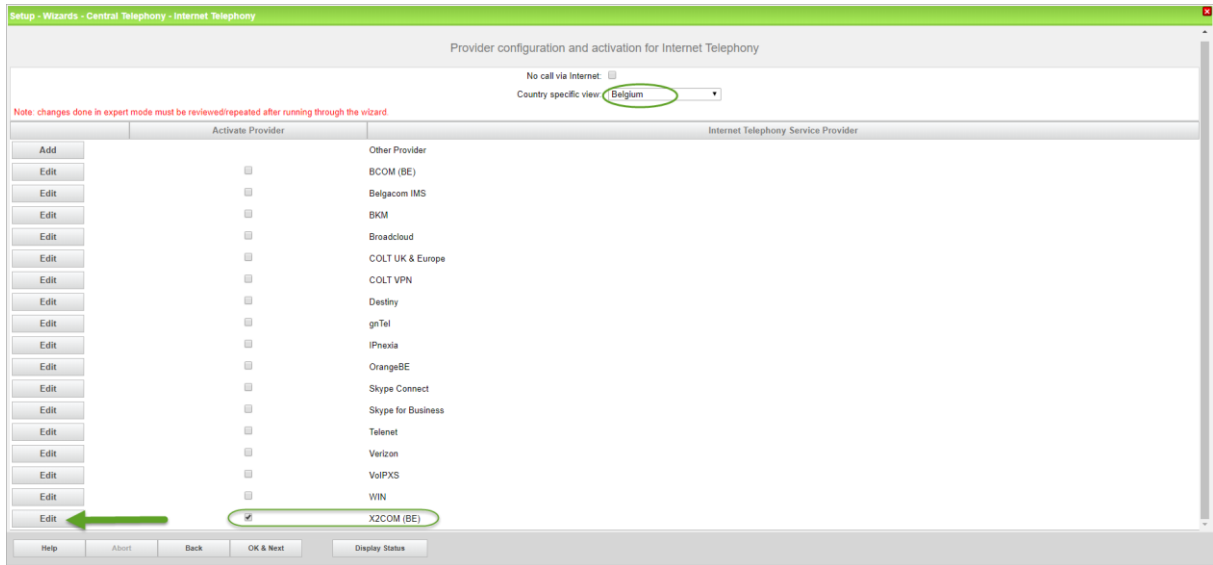
PABX number: (optional)

Help Abort Back OK & Next

In this case, remaining digits are filled in DID field.

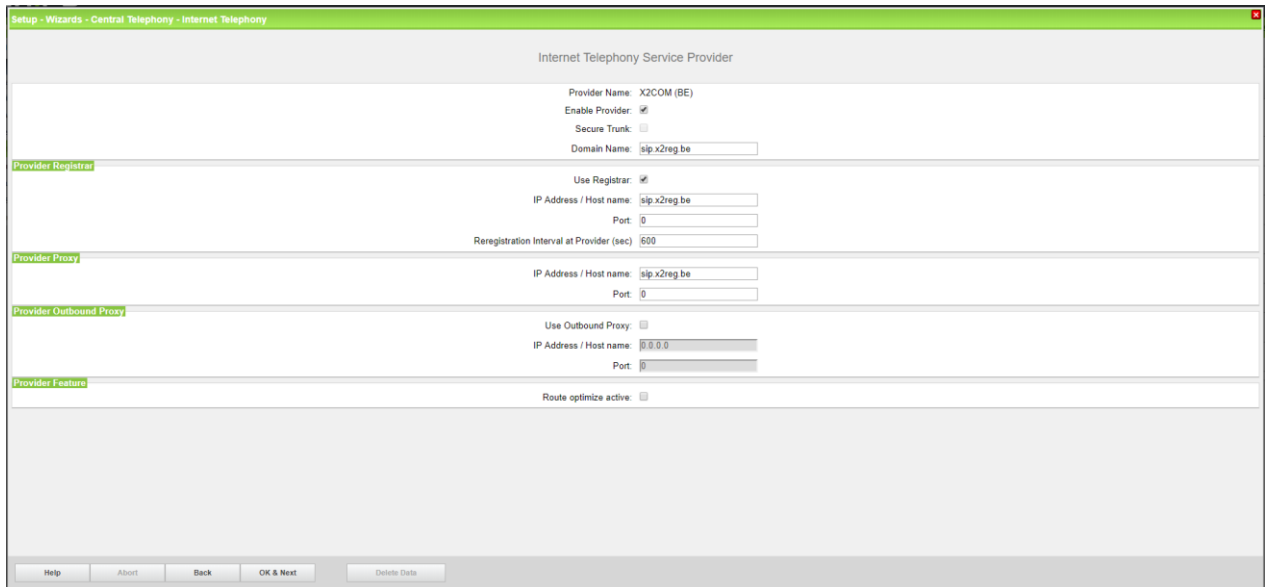
Click [OK & Next]

Provider configuration and activation for Internet Telephony -> No call via Internet -> uncheck
 Use County specific view : Belgium and select X2COM (BE).



Activate Provider and click on [Edit].

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

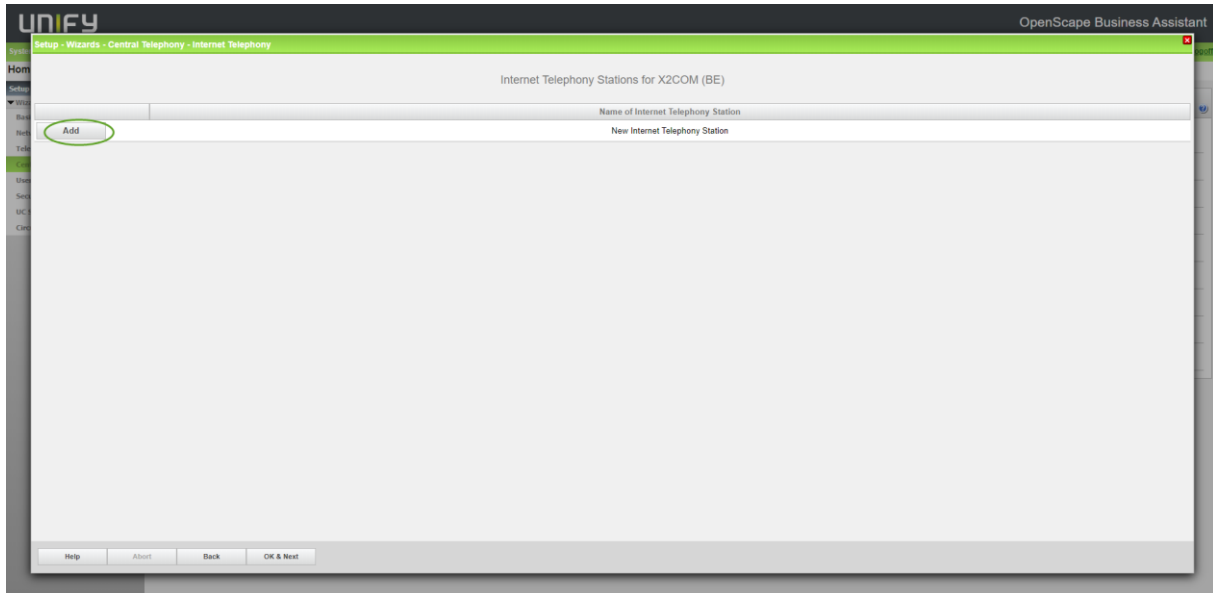


Only in case Call deflection has to be used, the flag “Route optimize active” needs to be activated. In this case an external call forward will be done by the provider and the trunk channels in the system will remain free.

Click [OK & Next]

Internet Telephony configuration

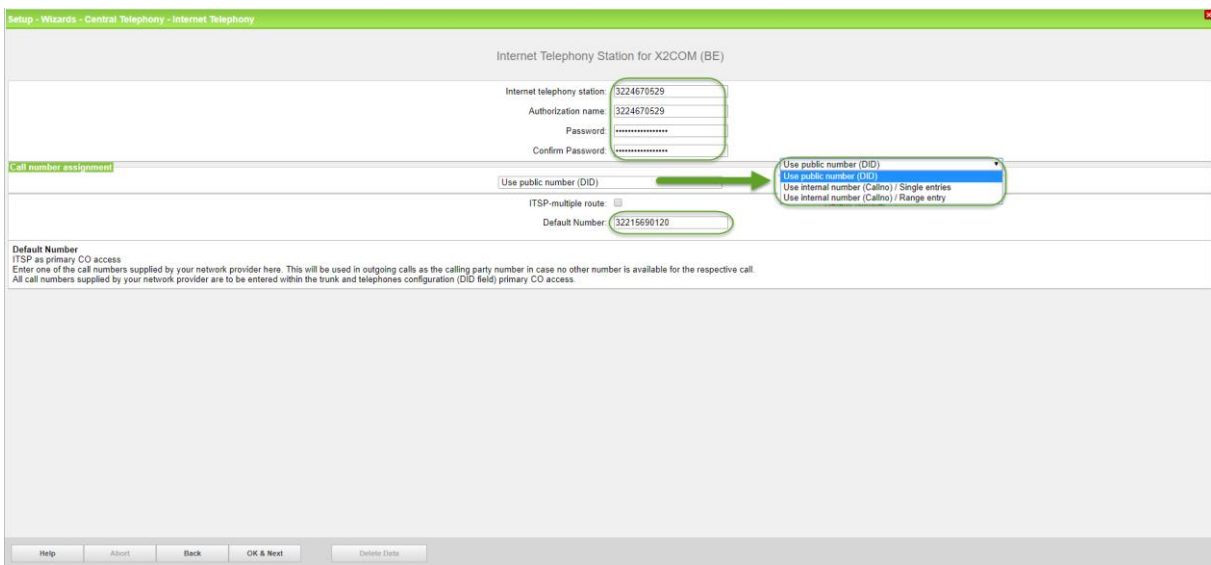
In this dialog the specific customer SIP Userdata will be configured.



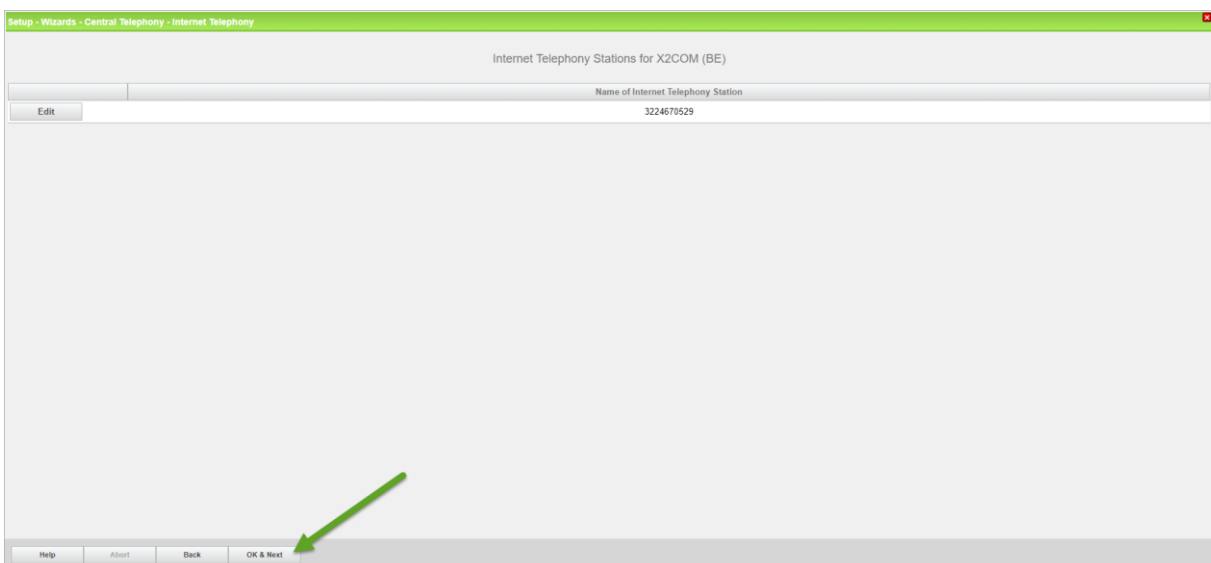
Click on [Add].

Data provided by ITSP X2Com België is inserted here.

- Internet telephony station: “Gebruikersnaam” is inserted here (e.g. 3224670529)
- Authorization name: “Gebruikersnaam” is inserted here (e.g. 3224670529)
- Password: “Wachtwoord” provided by ITSP X2Com 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: Has to be used in case more then one account of the same provider (in this case BCOM) 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 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].

Setup - Wizards - Central Telephony - Internet Telephony

Call Number Assignment for X2COM (BE)

Name of Internet Telephony Station	Internet Telephony Phone Number	Direct Inward dialing	Use as PABX number for outgoing calls
------------------------------------	---------------------------------	-----------------------	---------------------------------------

In order to complete the configuration please verify that the relevant user DIDs are set in stations.(Telephones / Subscribers configuration)

Help Abort Back **OK & Next**

Click [OK & Next] (no input needed)

Setup - Wizards - Central Telephony - Internet Telephony

Provider configuration and activation for Internet Telephony

No call via Internet:

Country specific view:

Note: changes done in expert mode must be reviewed/repeated after running through the wizard

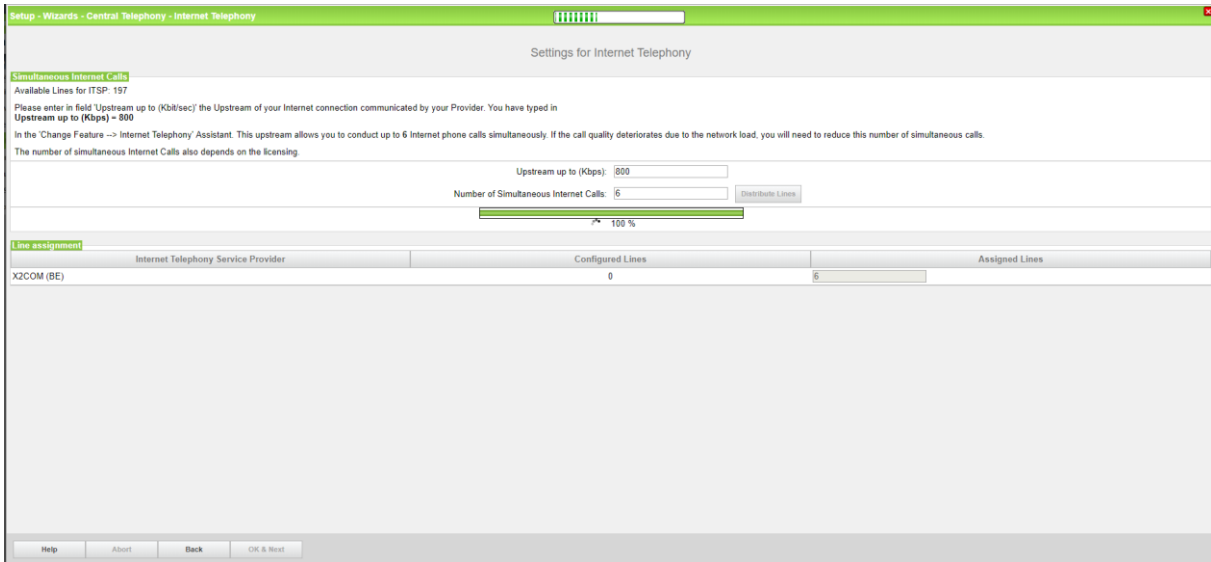
	Activate Provider	Internet Telephony Service Provider
Add		Other Provider
Edit	<input type="checkbox"/>	BCOM (BE)
Edit	<input type="checkbox"/>	Belgacom IMS
Edit	<input type="checkbox"/>	BKM
Edit	<input type="checkbox"/>	Broadcloud
Edit	<input type="checkbox"/>	COLT UK & Europe
Edit	<input type="checkbox"/>	COLT VPN
Edit	<input type="checkbox"/>	Destiny
Edit	<input type="checkbox"/>	gnTel
Edit	<input type="checkbox"/>	IPnexia
Edit	<input type="checkbox"/>	OrangeBE
Edit	<input type="checkbox"/>	Skype Connect
Edit	<input type="checkbox"/>	Skype for Business
Edit	<input type="checkbox"/>	Telenet
Edit	<input type="checkbox"/>	Verizon
Edit	<input type="checkbox"/>	VolPXS
Edit	<input type="checkbox"/>	WIN
Edit	<input checked="" type="checkbox"/>	X2COM (BE)

Help Abort Back **OK & Next** Display Status

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.



Settings for Internet Telephony

Simultaneous Internet Calls

Available Lines for ITSP: 197

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) = 800**

In the 'Change Feature -> Internet Telephony' Assistant. This upstream allows you to conduct up to 6 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:

100 %

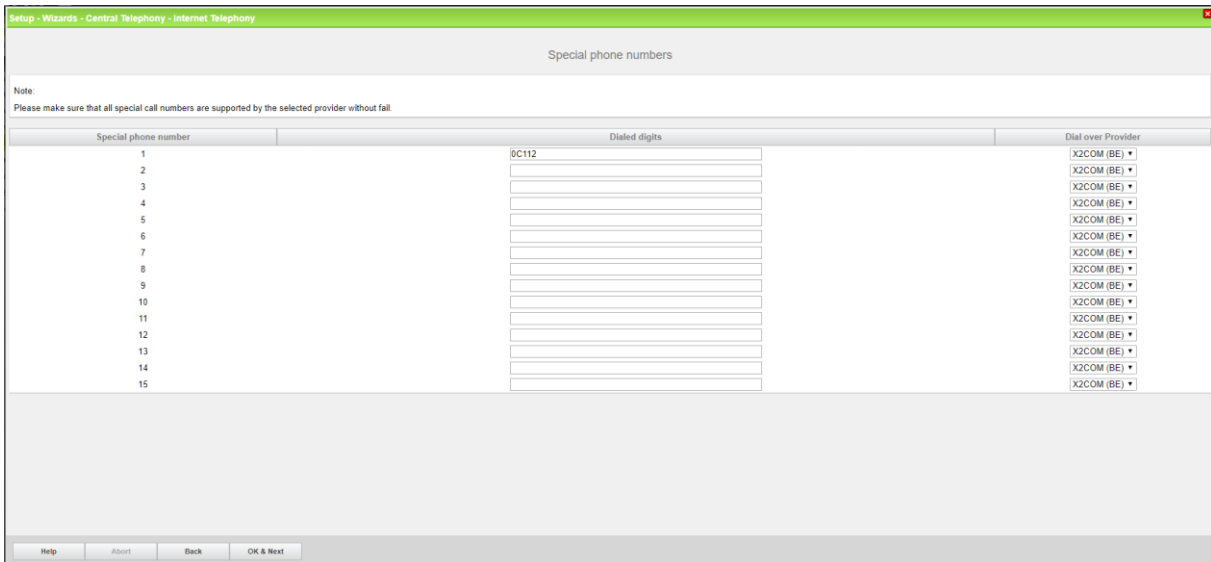
Line assignment	Internet Telephony Service Provider	Configured Lines	Assigned Lines
	X2COM (BE)	0	6

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.



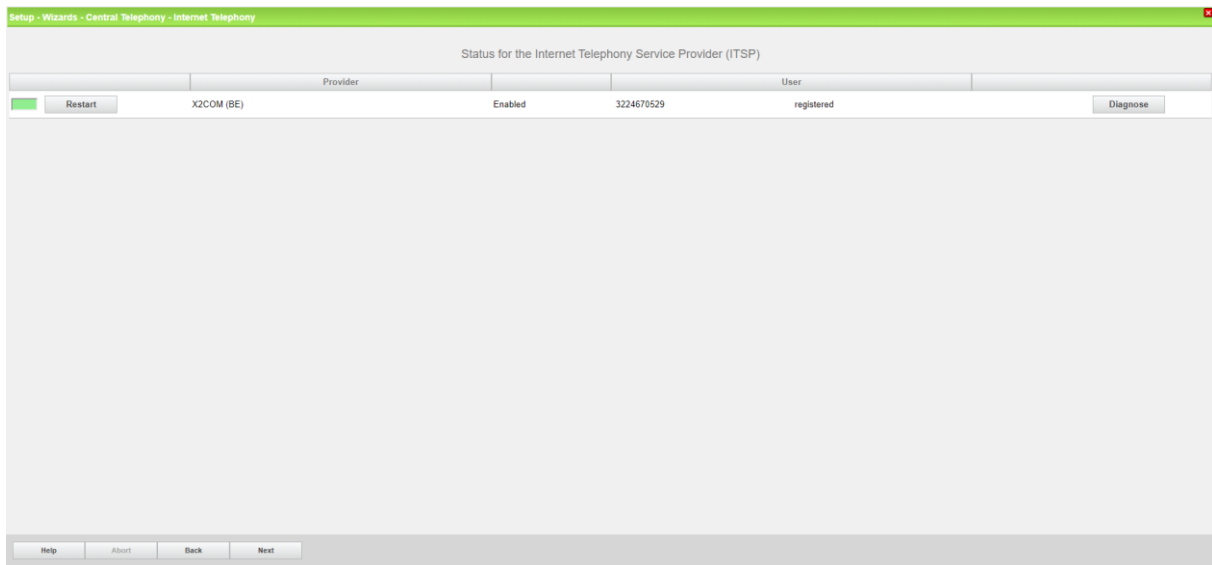
Special phone numbers

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	0C112	X2COM (BE) ▼
2		X2COM (BE) ▼
3		X2COM (BE) ▼
4		X2COM (BE) ▼
5		X2COM (BE) ▼
6		X2COM (BE) ▼
7		X2COM (BE) ▼
8		X2COM (BE) ▼
9		X2COM (BE) ▼
10		X2COM (BE) ▼
11		X2COM (BE) ▼
12		X2COM (BE) ▼
13		X2COM (BE) ▼
14		X2COM (BE) ▼
15		X2COM (BE) ▼

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.

