



OpenScape Business V2

How To Configure SIP Trunk for X2Com NL

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Table of History

Date	Version	Changes
2016-02-19	1.0	First version
2018-07-09	1.1	Update with support for rerouting (V2R5.1)

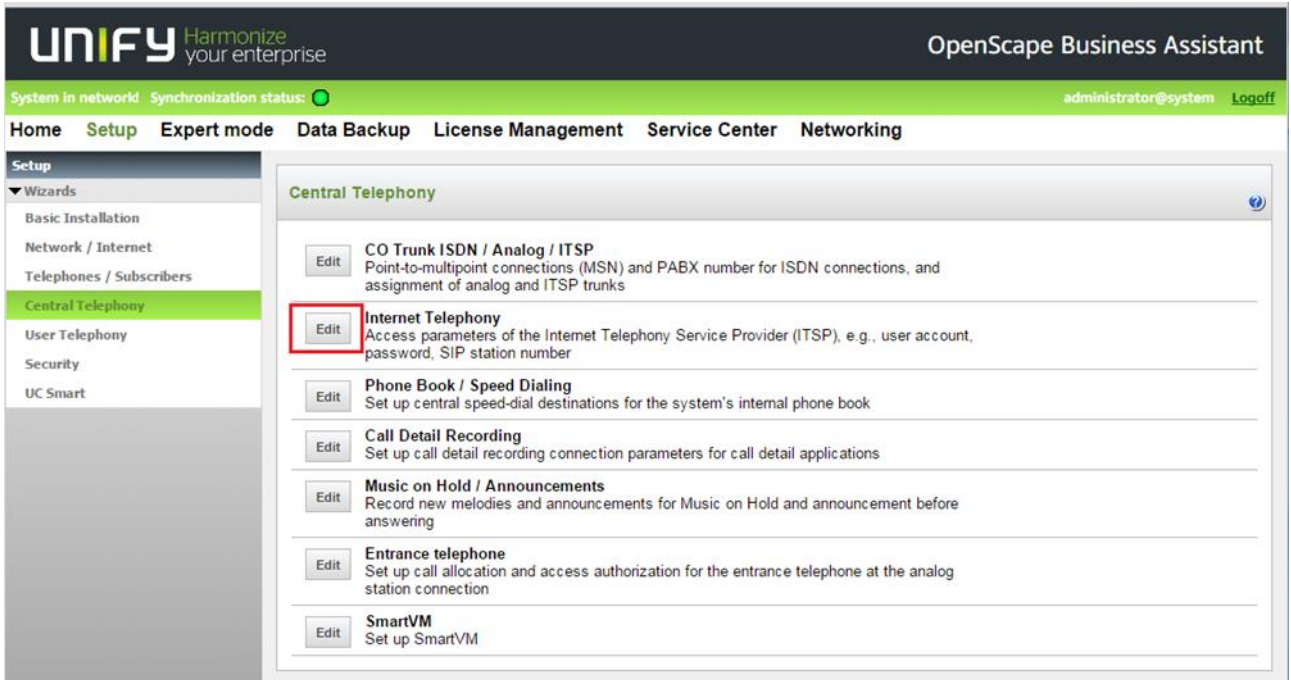
Configuration Data

Name	Example
Call Number:	0737200.....970-974
Gebruikersnaam	31737200970
Wachtwoord	e.g. 58#5I9*
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

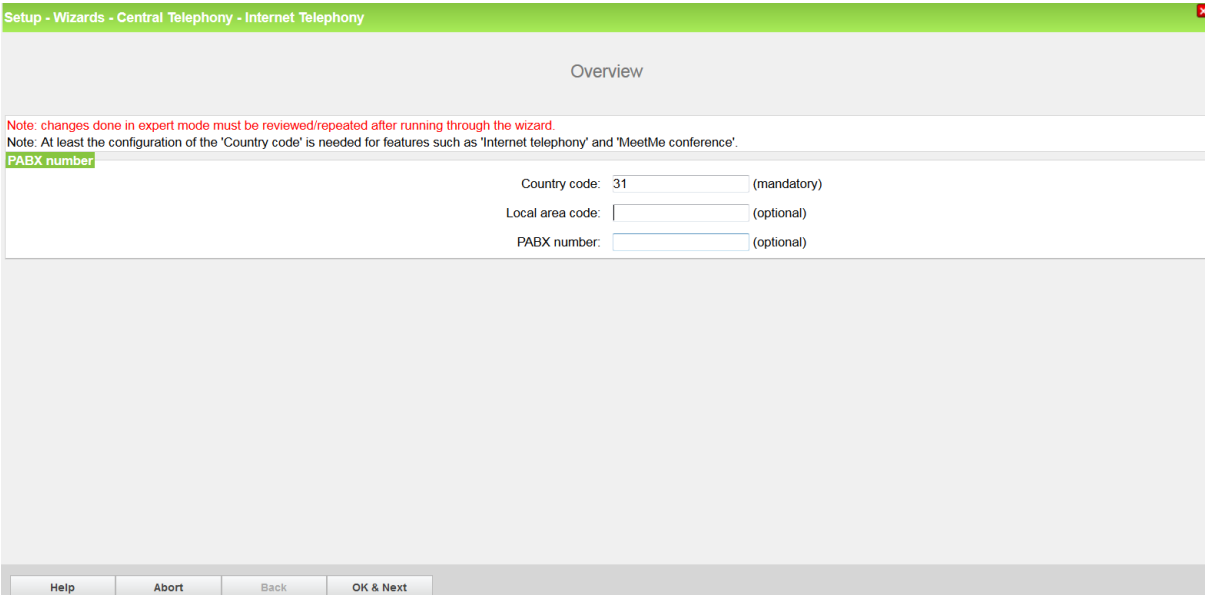
Setup

- 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: 31 (mandatory)

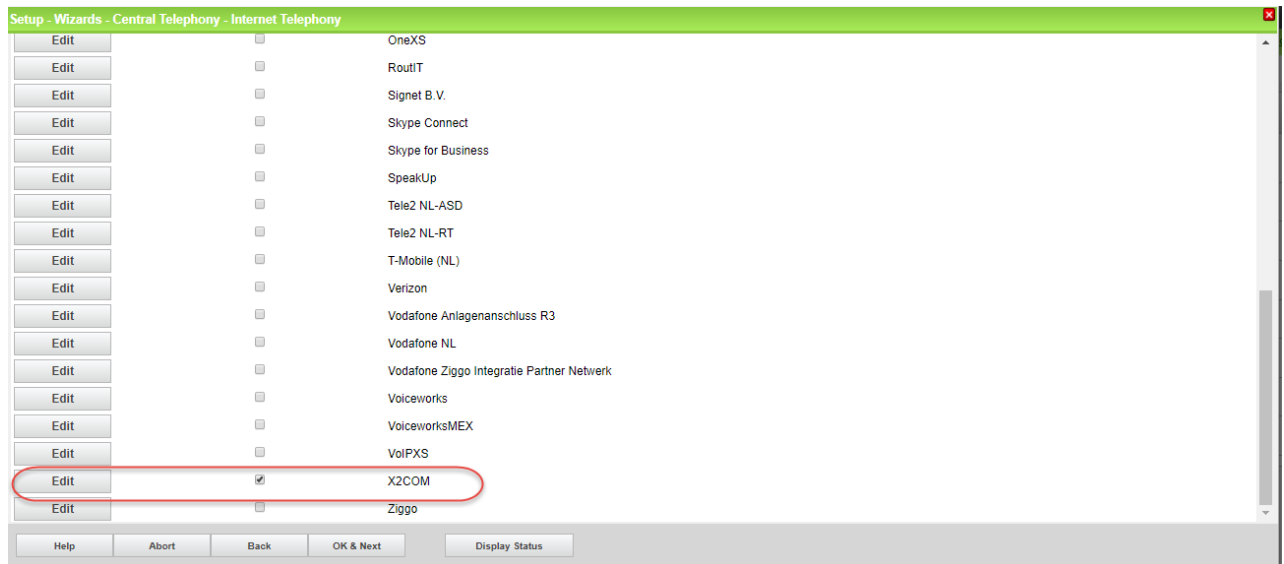
Local area code: (optional)

PABX number: (optional)

Help Abort Back OK & Next

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

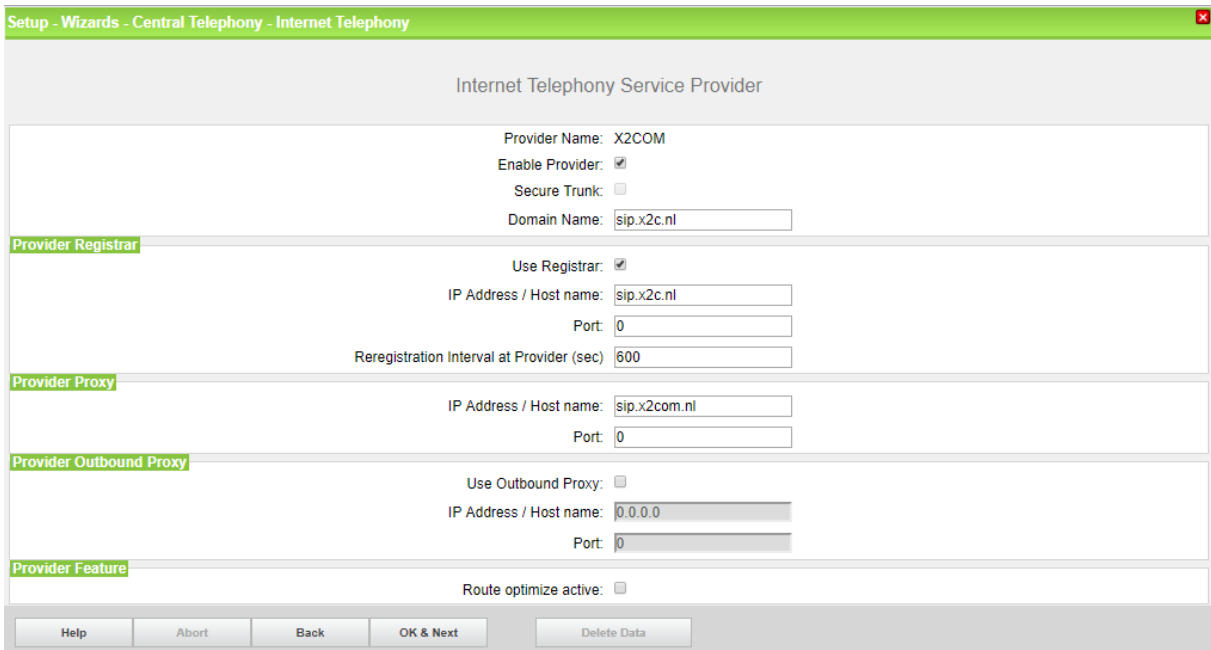
Provider configuration and activation for Internet Telephony -> No call via Internet -> uncheck
Use County specific view : Netherlands and select X2COM.



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.



Setup - Wizards - Central Telephony - Internet Telephony

Internet Telephony Service Provider

Provider Name: X2COM
Enable Provider:
Secure Trunk:
Domain Name: sip.x2c.nl

Provider Registrar
Use Registrar:
IP Address / Host name: sip.x2c.nl
Port: 0
Reregistration Interval at Provider (sec): 600

Provider Proxy
IP Address / Host name: sip.x2com.nl
Port: 0

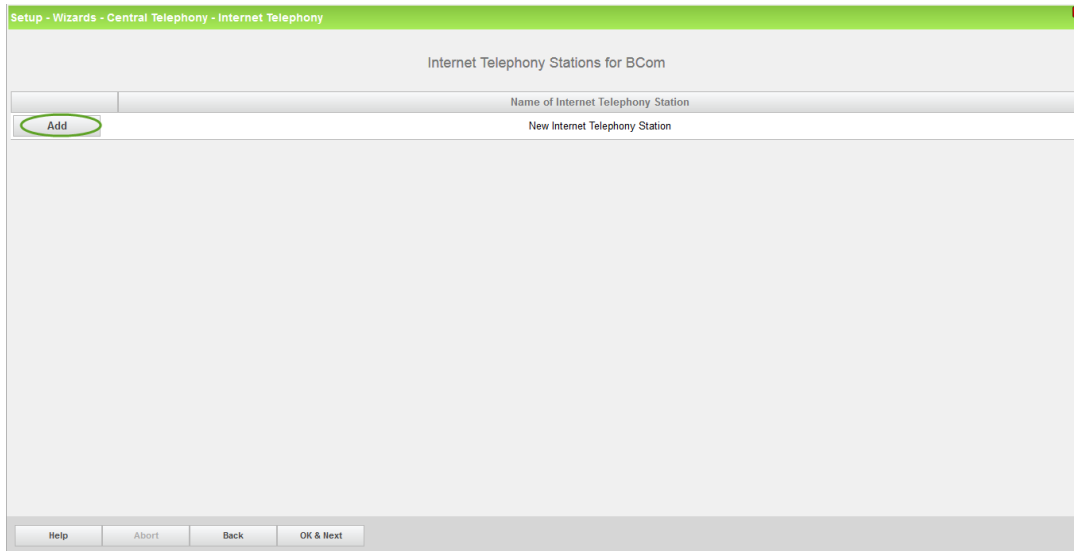
Provider Outbound Proxy
Use Outbound Proxy:
IP Address / Host name: 0.0.0.0
Port: 0

Provider Feature
Route optimize active:

Help Abort Back OK & Next Delete Data

Internet Telephony configuration

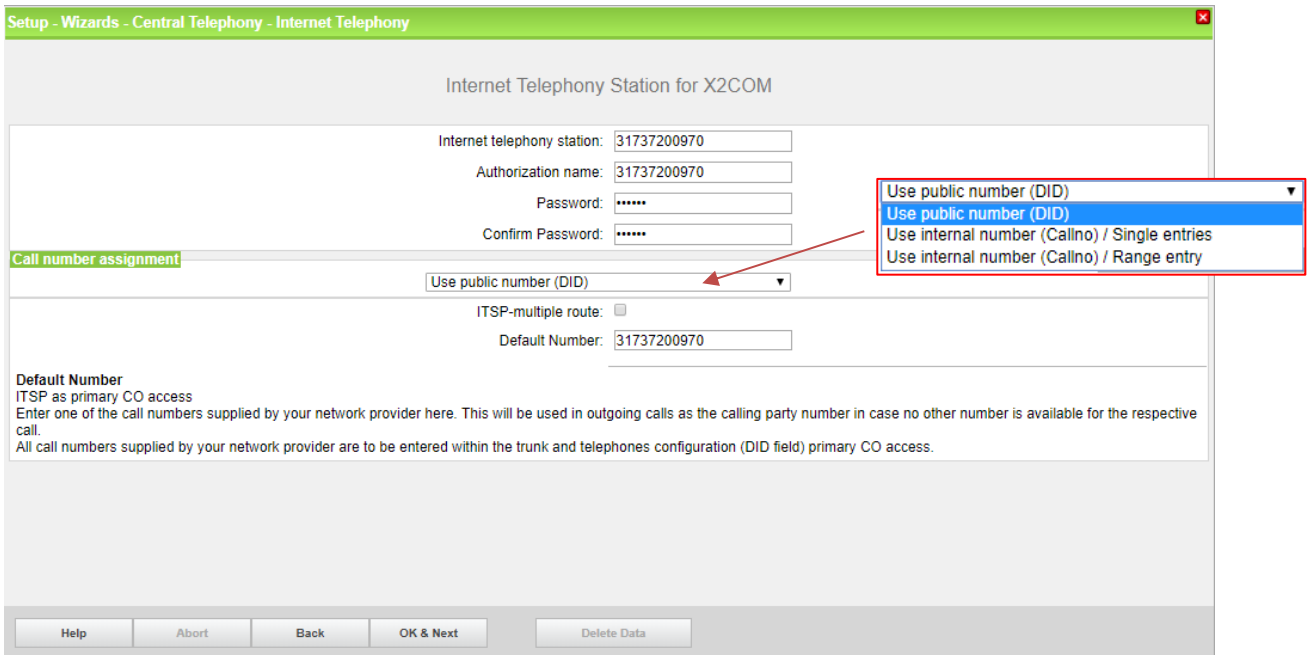
In this dialog the specific customer SIP Userdata will be configured.



Click on [Add].

Data provided by ITSP X2COM is inserted here.

- Internet telephony station: “Gebruikersnaam” is inserted here
- Authorization name: “Gebruikersnaam” is inserted here
- 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].

Setup - Wizards - Central Telephony - Internet Telephony

Internet Telephony Stations for X2COM

	Name of Internet Telephony Station
Edit	31737200970

Help Abort Back **OK & Next**



Click [OK & Next].


Setup - Wizards - Central Telephony - Internet Telephony

Call Number Assignment for X2COM

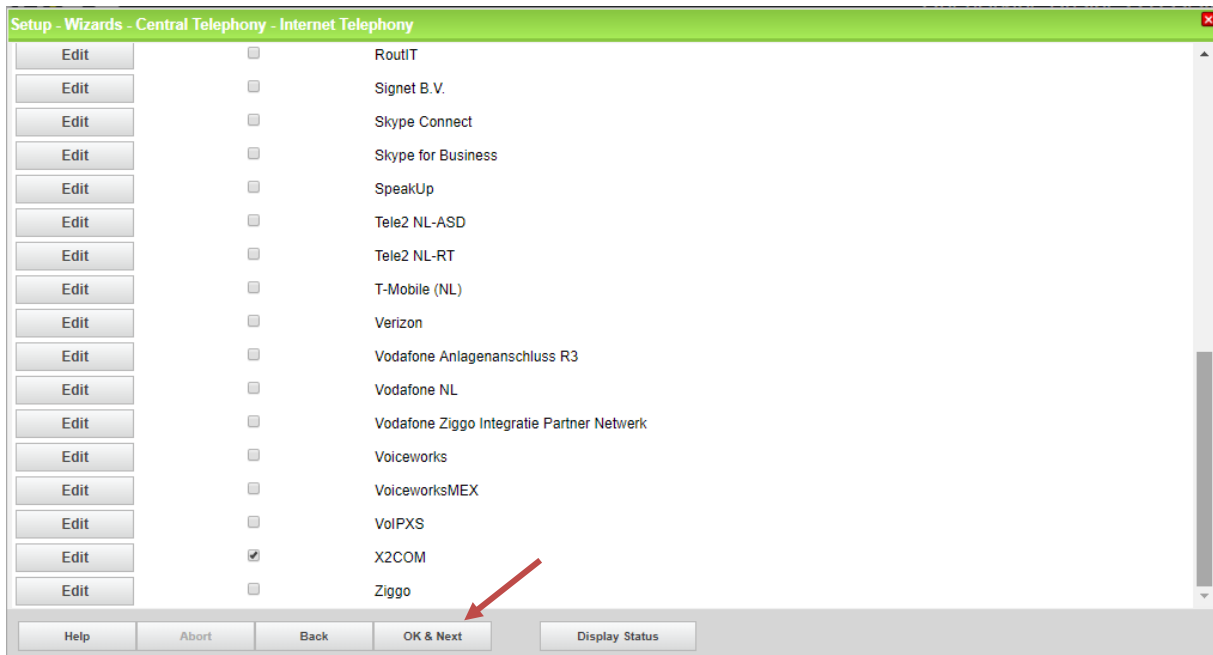
Name of Internet Telephony Station	Internet Telephony Phone Number	Direct inward dialing	Use as PABX number for outgoing calls
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In order to complete the configuration please verify that the relevant user DIDs are set in stations.(Telephones / Subscribers configuration)

Help Abort Back **OK & Next**



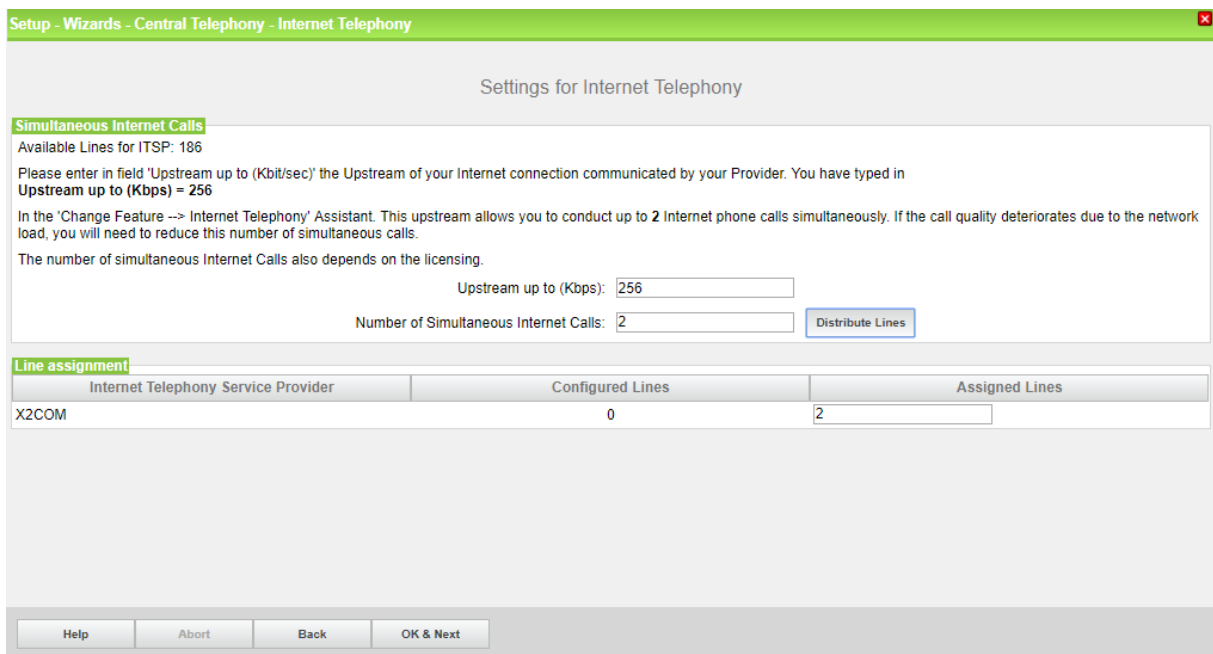
Click [OK & Next] (no input needed)



Click [OK & Next] (no input needed)

Define bandwidth (# Trunks)

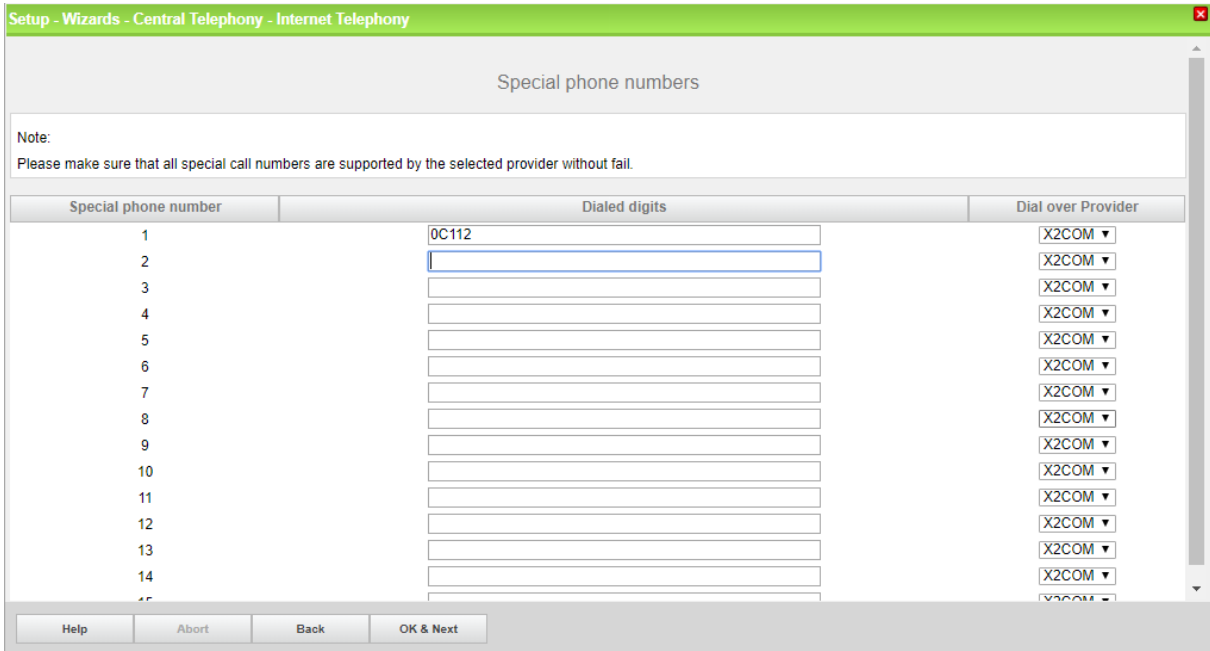
In the next part the number of simultaneous calls via the SIP trunk will be defined. The calculation of the number of trunks is done by the wizard automatically depending on the bandwidth. For each 128K, one trunk is created. The number can also be defined manually.



Click [OK & Next]

Special phone numbers

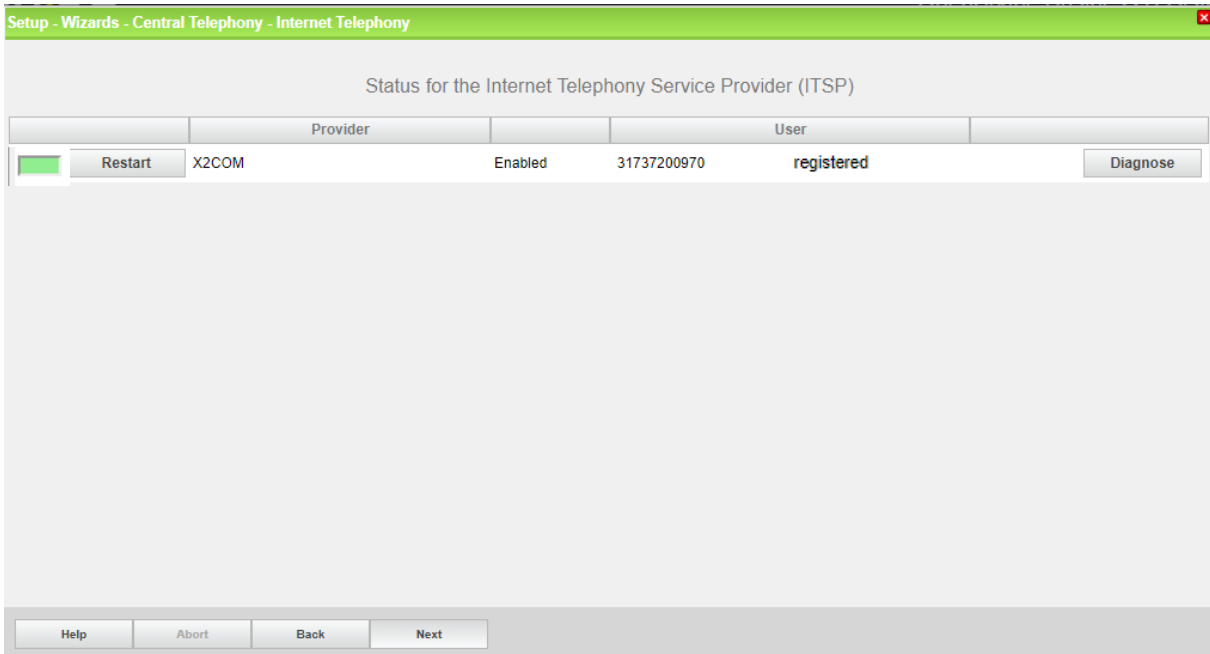
In this dialog it is possible to route special phone numbers. When special phone numbers are not supported over the ITSP route it is possible to change this here.




The screenshot shows a dialog box titled "Special phone numbers" with a green header bar. Below the title is a "Note" section with the text: "Please make sure that all special call numbers are supported by the selected provider without fail." The main area contains a table with three columns: "Special phone number", "Dialed digits", and "Dial over Provider". The table has 15 rows, numbered 1 to 15. Row 1 has "0C112" in the "Dialed digits" column and "X2COM" in the "Dial over Provider" column. Rows 2 through 15 have empty "Dialed digits" columns and "X2COM" in the "Dial over Provider" column. At the bottom of the dialog are four buttons: "Help", "Abort", "Back", and "OK & Next".

Special phone number	Dialed digits	Dial over Provider
1	0C112	X2COM ▼
2		X2COM ▼
3		X2COM ▼
4		X2COM ▼
5		X2COM ▼
6		X2COM ▼
7		X2COM ▼
8		X2COM ▼
9		X2COM ▼
10		X2COM ▼
11		X2COM ▼
12		X2COM ▼
13		X2COM ▼
14		X2COM ▼
15		X2COM ▼

Click OK & Next and the ITSP status will be displayed

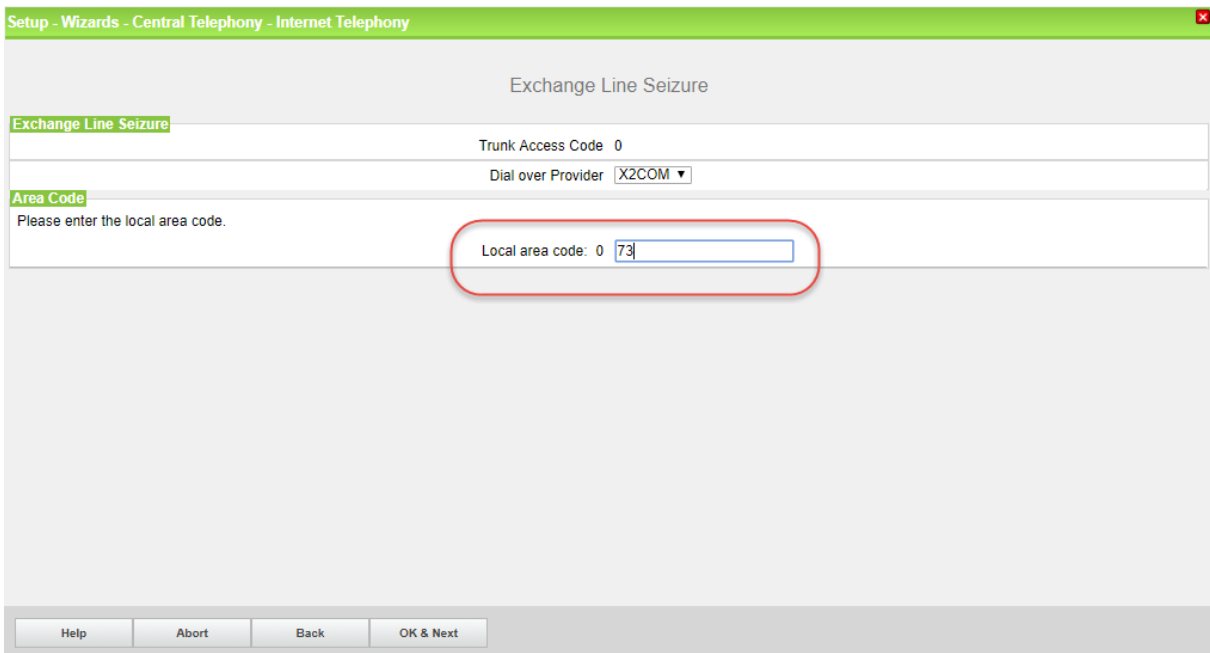


	Provider		User	
	X2COM	Enabled	31737200970	registered

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.



Exchange Line Seizure

Trunk Access Code 0

Dial over Provider X2COM

Area Code

Please enter the local area code.

Local area code: 0 73