



# OpenScape Business V2

## How To Configure SIP Trunk for Bcom 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

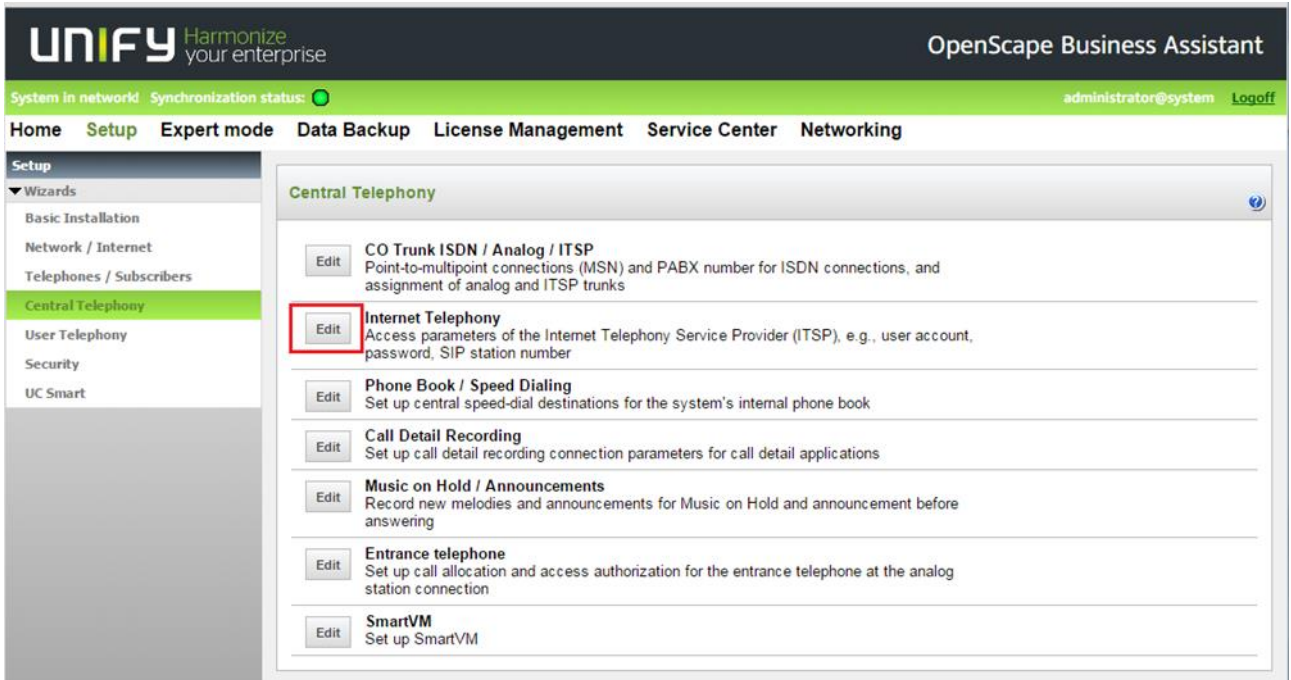
Information from ITSP BCOM NL provided via the WEB portal of BCOM: <http://office.mijnbcom.nl>

<b>Name</b>	<b>Example</b>
Call Number:	413411005.....411006
Gebruikersnaam	31413411005
Wachtwoord	e.g. 58#\$I9*
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

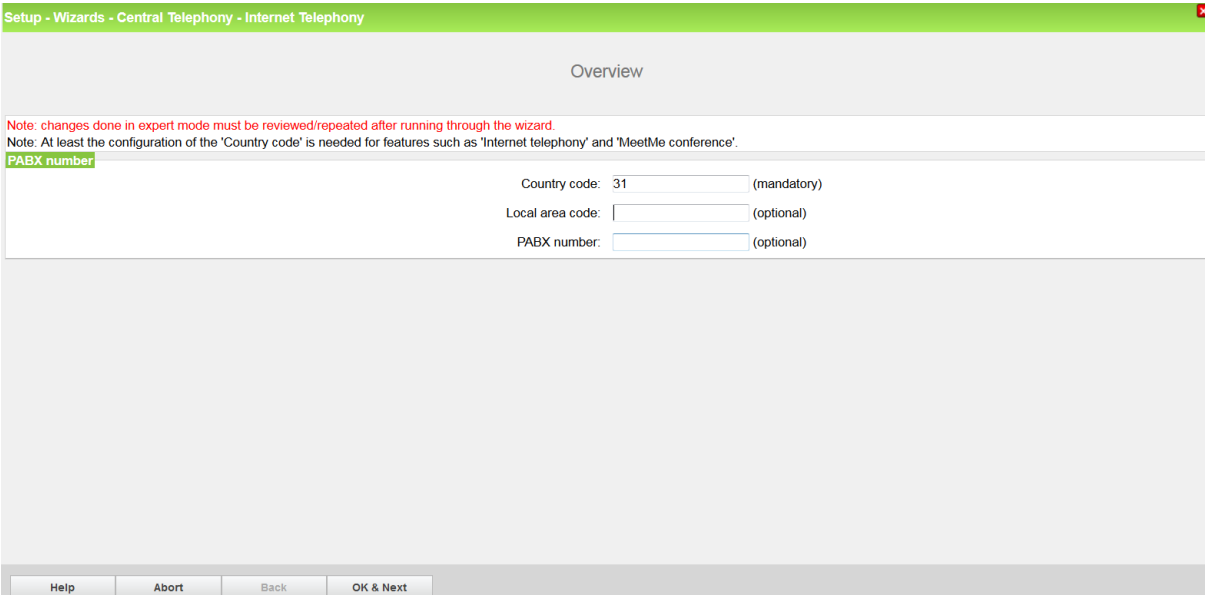
**Setup**

- 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)

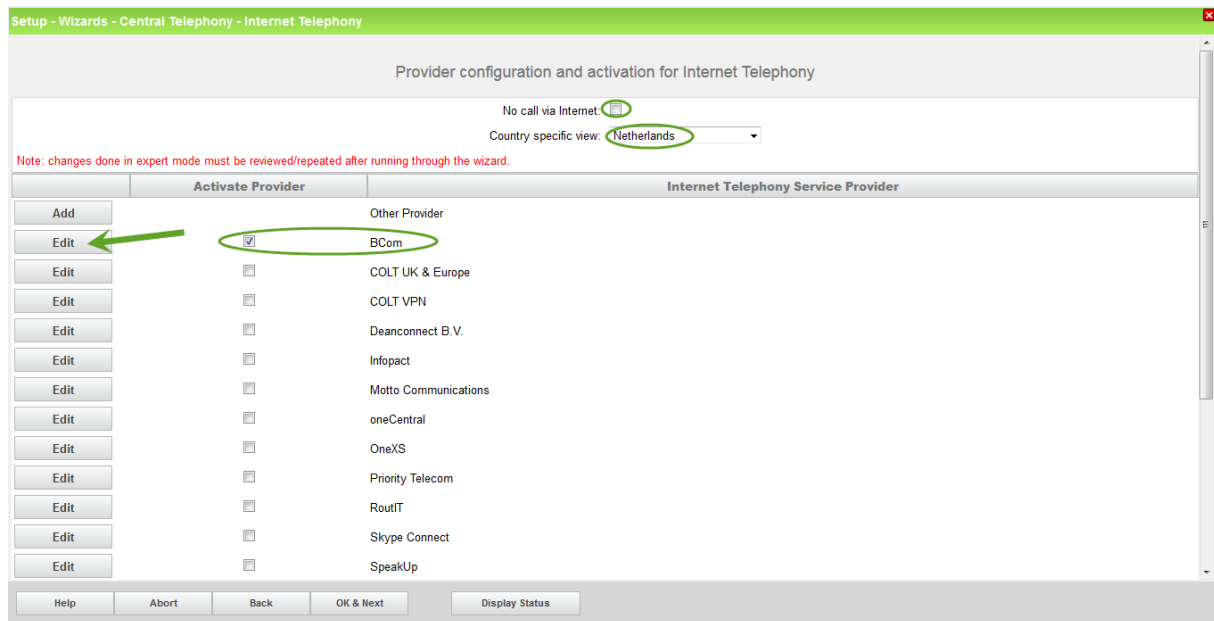
Local area code:  (optional)

PABX number:  (optional)

Help Abort Back OK & Next

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

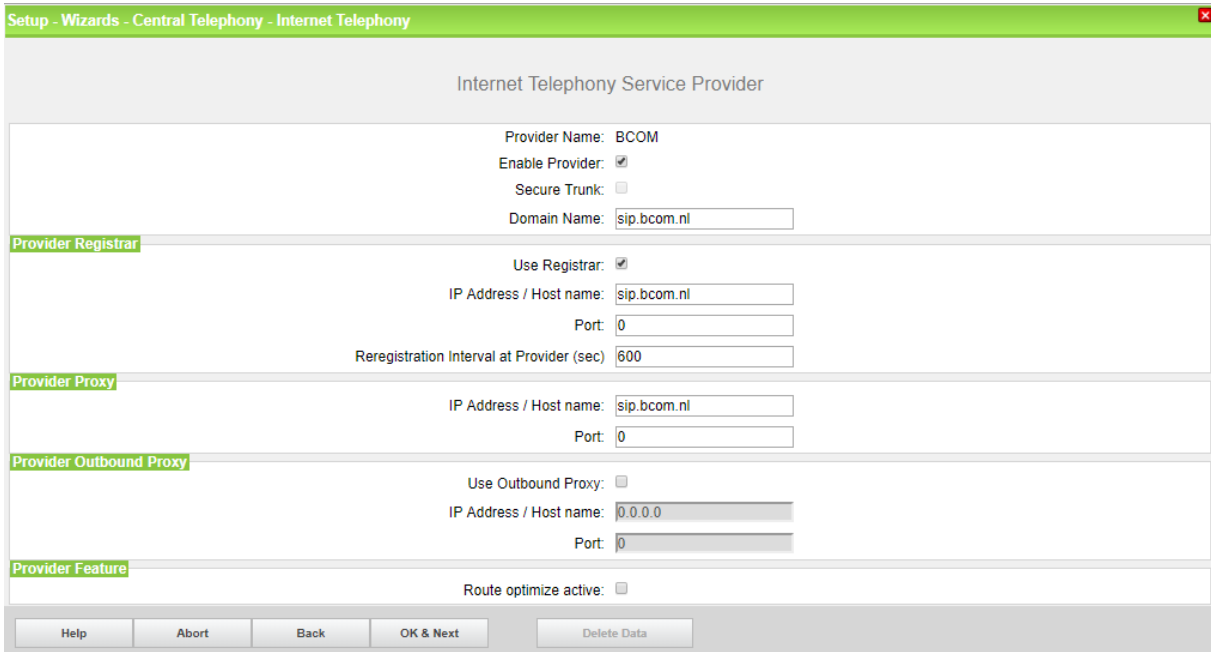
Provider configuration and activation for Internet Telephony -> No call via Internet -> uncheck  
Use County specific view : Netherlands and select BCom.



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: BCOM  
Enable Provider:   
Secure Trunk:   
Domain Name:

**Provider Registrar**  
Use Registrar:   
IP Address / Host name:   
Port:   
Reregistration Interval at Provider (sec):

**Provider Proxy**  
IP Address / Host name:   
Port:

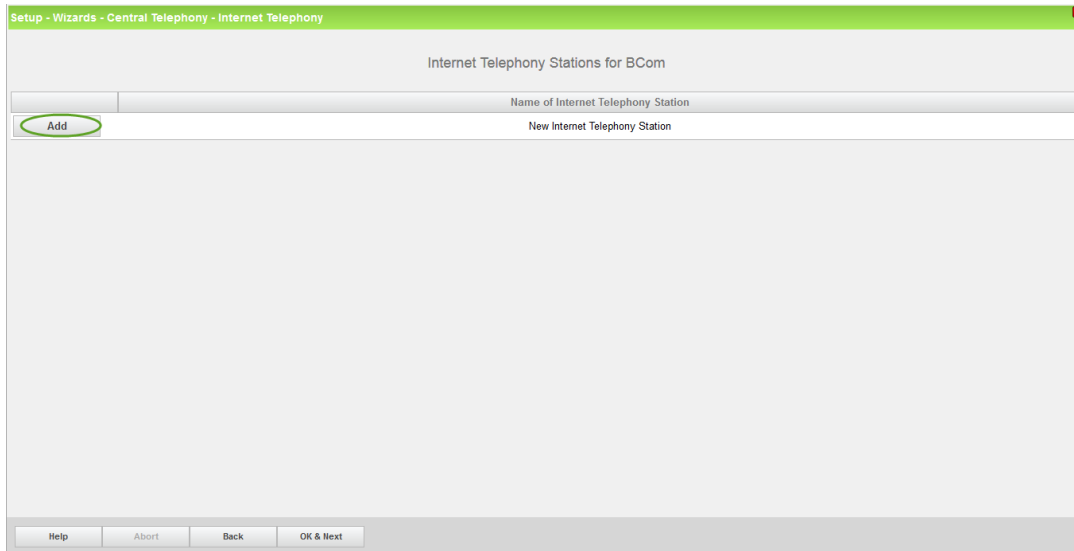
**Provider Outbound Proxy**  
Use Outbound Proxy:   
IP Address / Host name:   
Port:

**Provider Feature**  
Route optimize active:

Help Abort Back OK & Next Delete Data

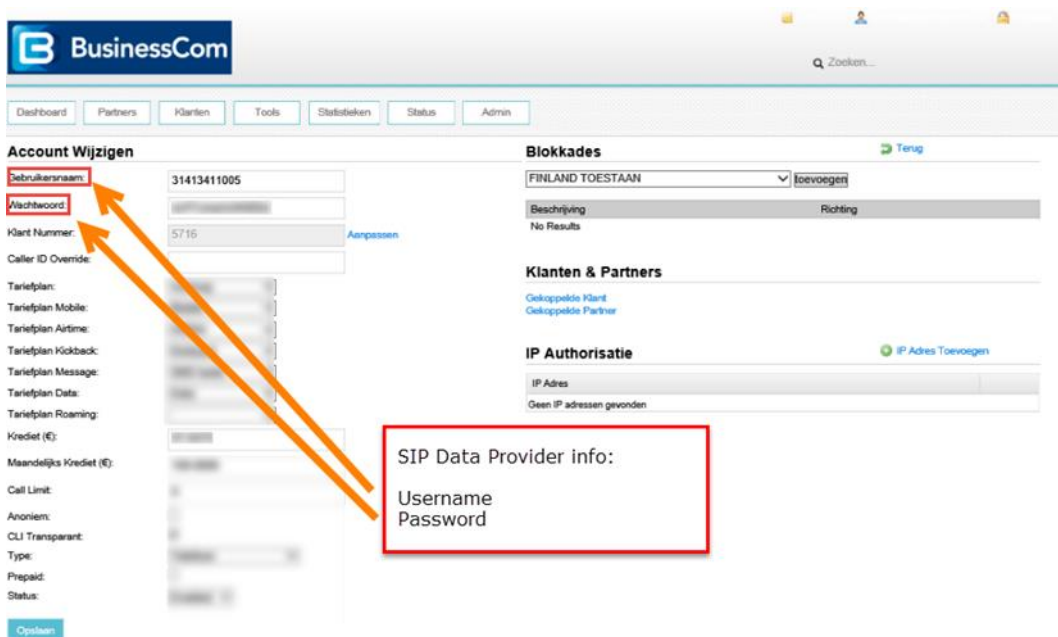
## Internet Telephony configuration

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



Click on [Add].

Data provided by ITSP Businesscom is inserted here.



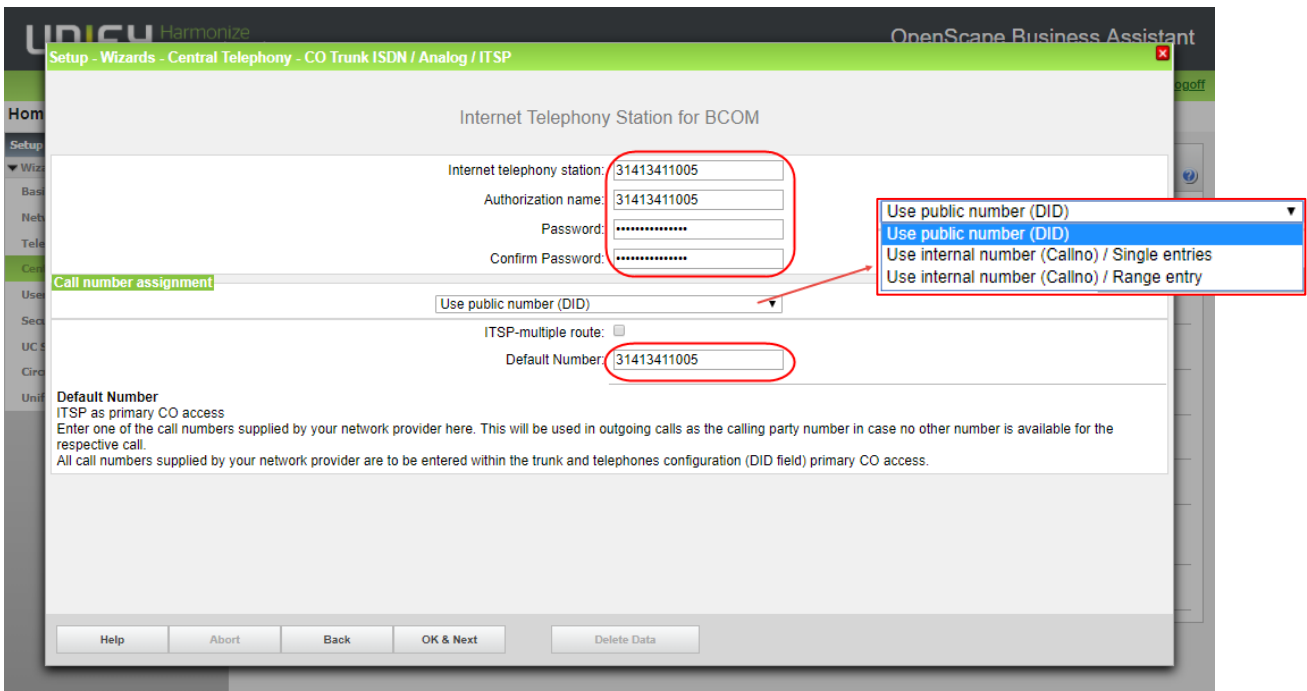
### Ingeleid

Contact	Call ID	User Agent	Last Modified	Verlooptijd	Flags	CFlags	Cseq	Path
sip:31413411005@192.168.5.2:5060	64c38bf9cf8e898d	OpenScape Business M5T SIP Stack/4.2.12.14	2016-02-15 17:12:34	2016-02-15 17:22:34	NoDB	NAT	573826129	<sip:46.244.101.201:5060;lr/received=sip:31.223.161.2
sip:31413411005@192.168.5.2:5060	64c38bf9cf8e898d	OpenScape Business M5T SIP Stack/4.2.12.14	2016-02-15 17:12:34	2016-02-15 17:22:34	NoDB	NAT	573826129	<sip:46.244.101.201:5060;lr/received=sip:31.223.161.2

### Nummers

ID	Tel. Nummer	Altijd	In Gesprek	Niet Opgenomen	Niet Aangemeld	Ringtime	Acties
5859	31413411005					80	<a href="#">edit</a>
5860	31413411006					80	<a href="#">edit</a>

- Internet telephony station: “Gebruikersnaam” is inserted here
- Authorization name: “Gebruikersnaam” is inserted here
- Password: “Wachtwoord” provided by ITSP BCom 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)



Setup - Wizards - Central Telephony - CO Trunk ISDN / Analog / ITSP

Internet Telephony Station for BCOM

Internet telephony station: 31413411005

Authorization name: 31413411005

Password: .....

Confirm Password: .....

Call number assignment: Use public number (DID)

ITSP-multiple route:

Default Number: 31413411005

**Default Number**  
ITSP as primary CO access  
Enter one of the call numbers supplied by your network provider here. This will be used in outgoing calls as the calling party number in case no other number is available for the respective call.  
All call numbers supplied by your network provider are to be entered within the trunk and telephones configuration (DID field) primary CO access.

Help Abort Back OK & Next Delete Data

Click [OK & Next].




Setup - Wizards - Central Telephony - Internet Telephony

Internet Telephony Stations for BCom

Name of Internet Telephony Station	
Edit	31413411005

Help Abort Back **OK & Next**



Click [OK & Next].


Setup - Wizards - Central Telephony - Internet Telephony

Call Number Assignment for BCom

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
<input type="button" value="Add"/>		Other Provider
<input type="button" value="Edit"/>	<input checked="" type="checkbox"/>	BCOM
<input type="button" value="Edit"/>	<input type="checkbox"/>	BLU
<input type="button" value="Edit"/>	<input type="checkbox"/>	Broadcloud
<input type="button" value="Edit"/>	<input type="checkbox"/>	COLT UK & Europe
<input type="button" value="Edit"/>	<input type="checkbox"/>	COLT VPN
<input type="button" value="Edit"/>	<input type="checkbox"/>	Deanconnect B.V.
<input type="button" value="Edit"/>	<input type="checkbox"/>	gnTel
<input type="button" value="Edit"/>	<input type="checkbox"/>	Infopact
<input type="button" value="Edit"/>	<input type="checkbox"/>	KPN
<input type="button" value="Edit"/>	<input type="checkbox"/>	Motto Communications
<input type="button" value="Edit"/>	<input type="checkbox"/>	oneCentral
<input type="button" value="Edit"/>	<input type="checkbox"/>	OneXS
<input type="button" value="Edit"/>	<input type="checkbox"/>	RoutIT

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: 201

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) = 256**

in the 'Change Feature -> Internet Telephony' Assistant. This upstream allows you to conduct up to 2 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
BCom	0	<input type="text" value="2"/>

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

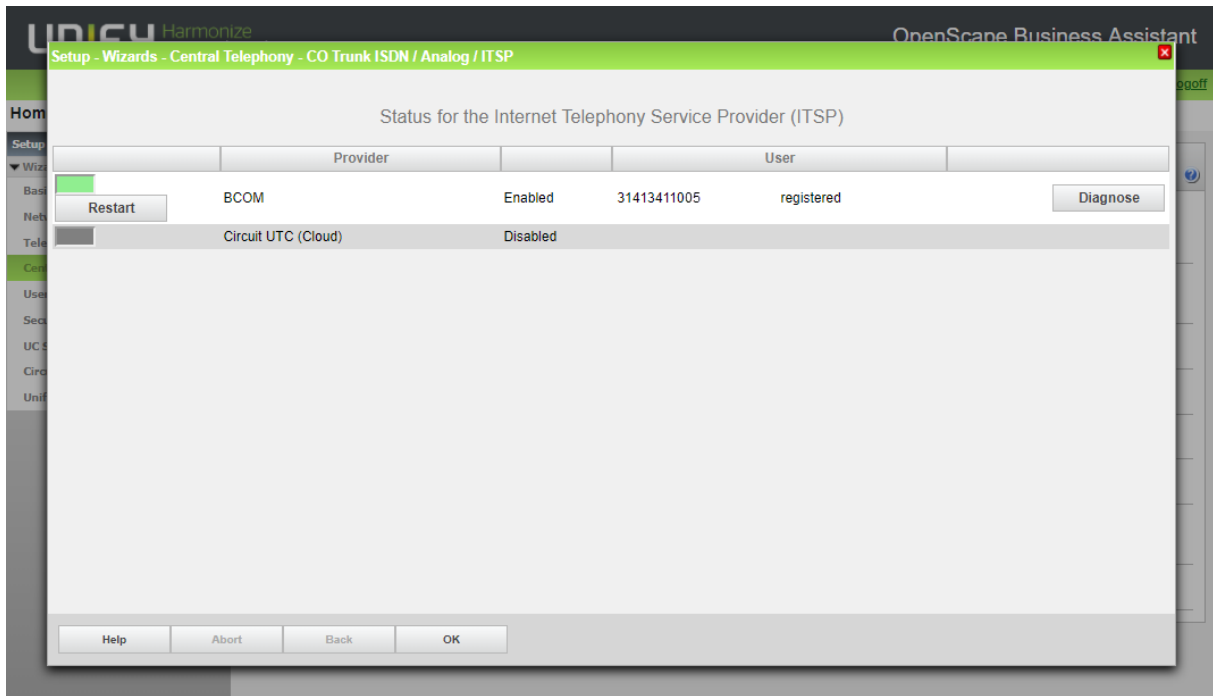
Special phone numbers

Note:  
Emergency calls should always be built up with ISDN or Analog Trunk for safety reasons.  
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	BCom
2		ISDN
3		ISDN
4		ISDN
5		ISDN
6		ISDN
7		ISDN
8		ISDN
9		ISDN
10		ISDN
11		ISDN
12		ISDN
13		ISDN
14		ISDN
15		ISDN

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.

