



# OpenScape Business V2

## How To Configure SIP Trunk for BluNetworks NL

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## 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
2019-03-08	1.0	First version for V2R7

## Configuration Data

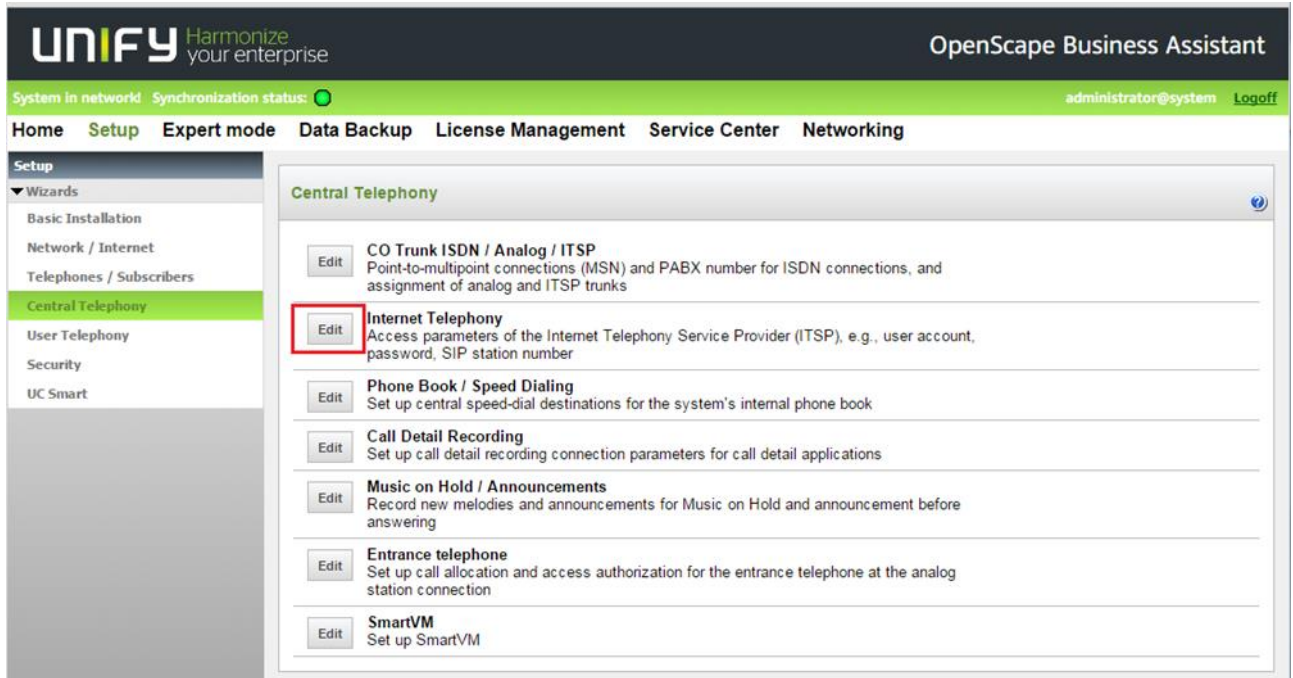
Information from ITSP BluNetworks NL

Name	Example
Call Number:	(085) 7920460.....7920469
Gebruikersnaam:	31857920460
Wachtwoord:	e.g. 58#\$I19*
Number of voice-channels:	2

## Configuration Wizard

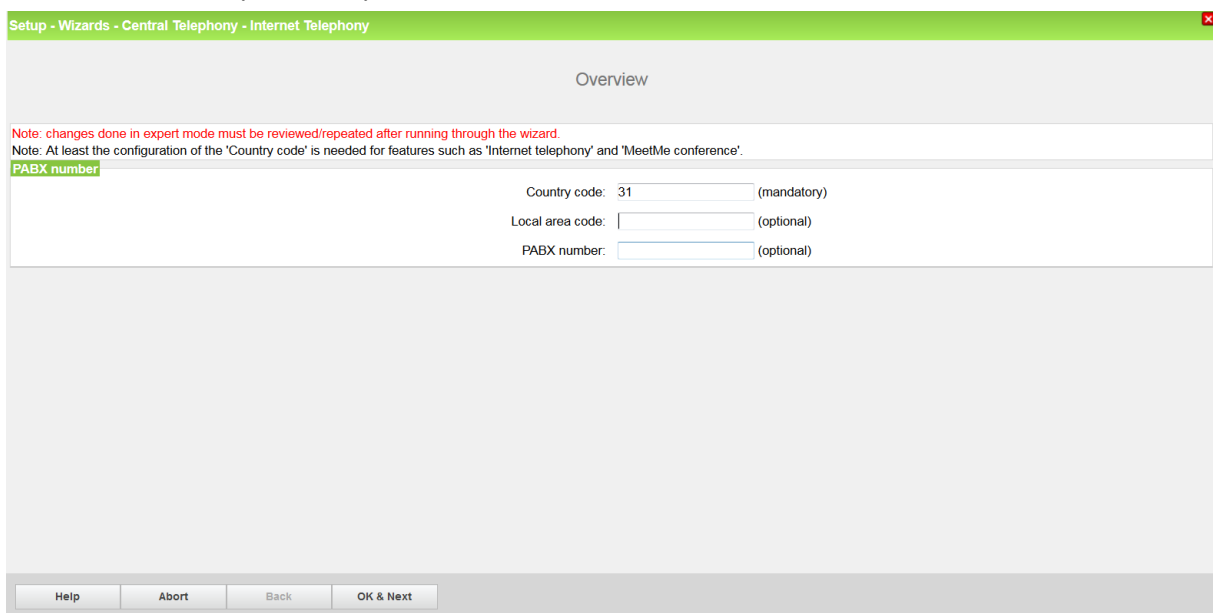
### Internet Telephony

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 left sidebar lists various setup options, with 'Central Telephony' selected. The main content area displays several configuration options, each with an 'Edit' button. The 'Internet Telephony' option is highlighted with a red box. Below it are options for 'Phone Book / Speed Dialing', 'Call Detail Recording', 'Music on Hold / Announcements', 'Entrance telephone', and 'SmartVM'.

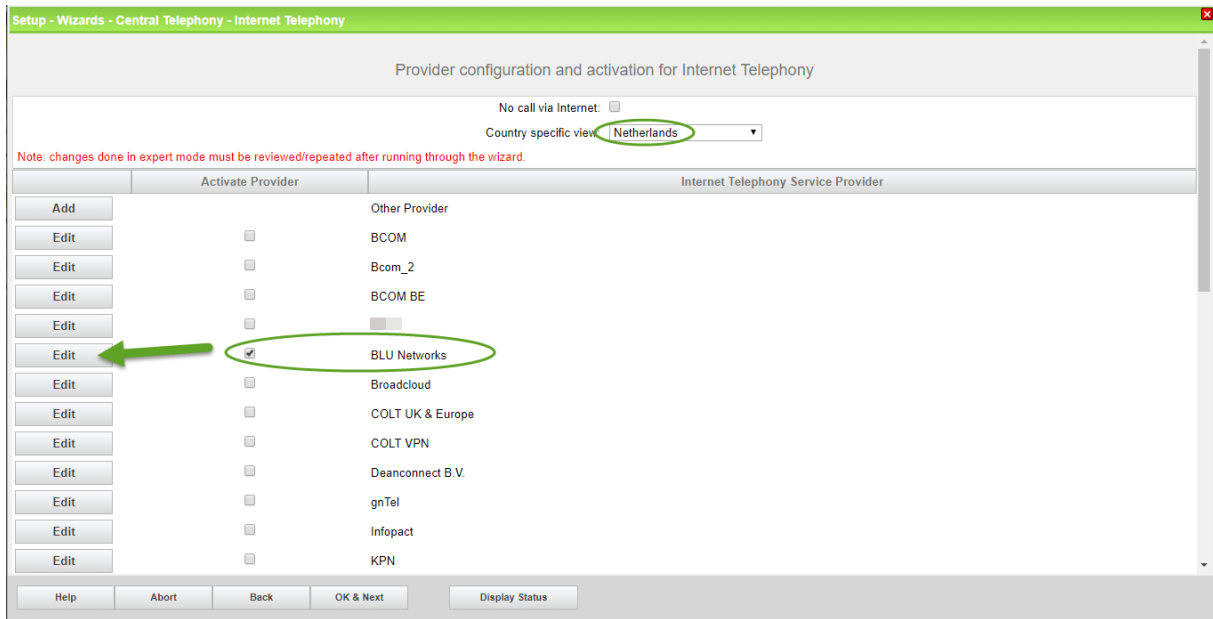
The overview page appears for entering the location data. The most flexible type of configuration is to enter the Country code only.



The screenshot shows the 'Overview' page for configuring Internet Telephony. It includes a title bar 'Setup - Wizards - Central Telephony - Internet Telephony' and a sub-header 'Overview'. A note states: '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'.' Below the note are three input fields: 'Country code: 31 (mandatory)', 'Local area code: (optional)', and 'PABX number: (optional)'. At the bottom, there are buttons for 'Help', 'Abort', 'Back', and 'OK & Next'.

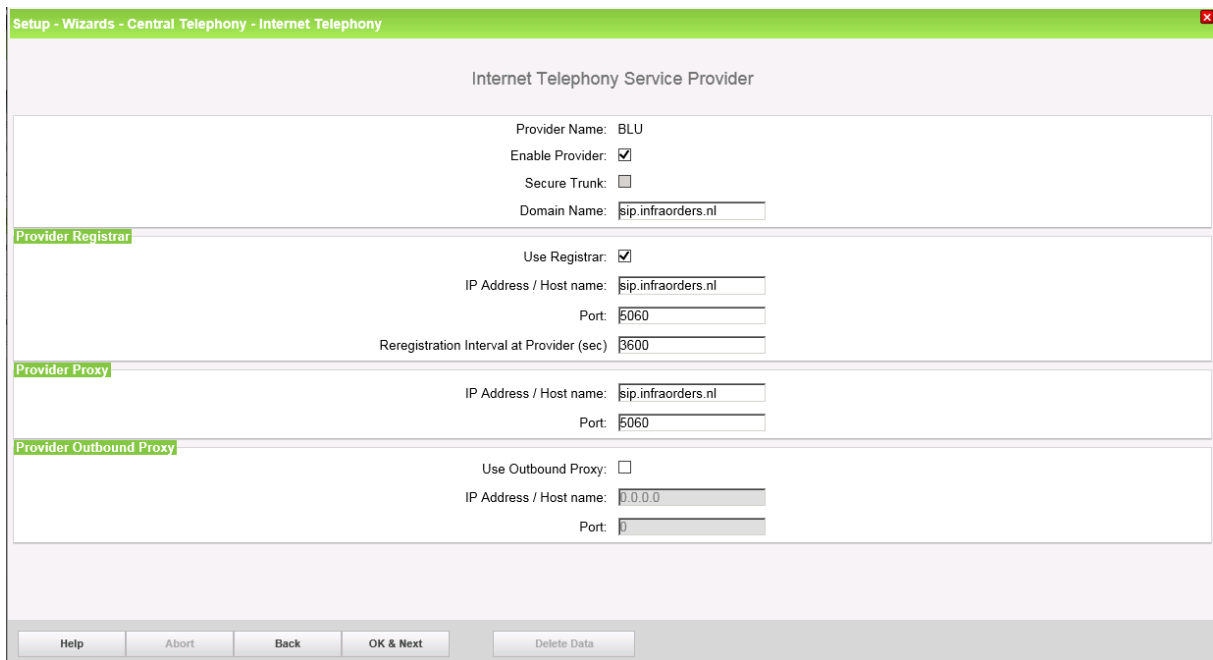
In this case, remaining digits are filled in DID field.  
Click [OK & Next]

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



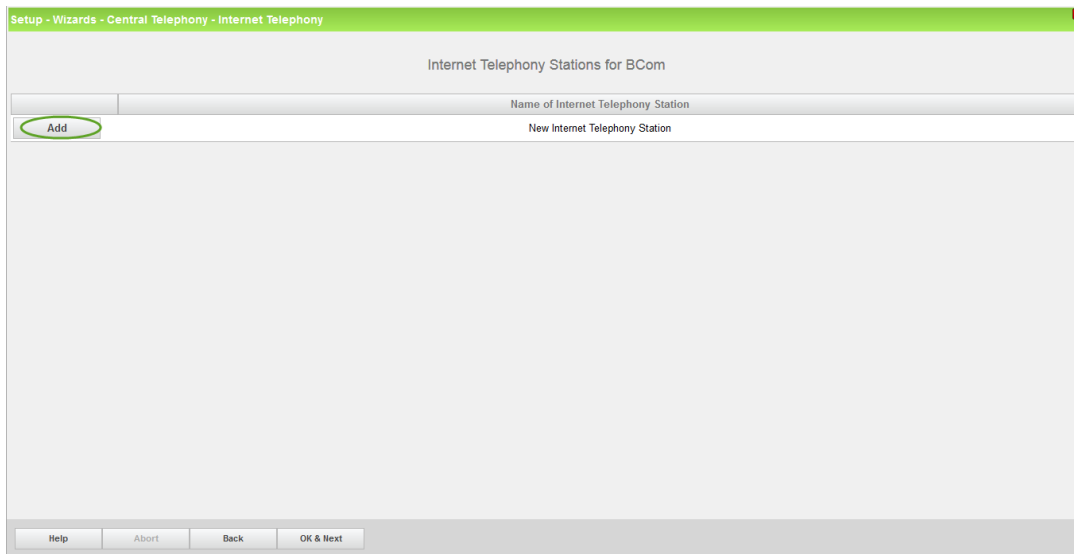
Activate Provider and click on [Edit].

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



## Internet Telephony configuration

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



Click on [Add].

Data provided by ITSP BluNetworks is inserted here.



31857920460	Unify test trunk	9	31857920460	2c
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Sip registratie informatie		Account informatie	
Geregistreerd	Ja	Nummerweergave	Doo PBX bepaald
Agent	OpenScape Business M5T SIP Stack/4.2.20.35		
Domein	185.6.204.5		
Tijdstip nieuwe registratie	08-03-2019 11:08:42		
Laatste registratie	08-03-2019 10:08:42		
Contact	sip:31857920460@192.168.6.2:5070 pinhole=UDP:80.246.205.209:1151		
CallID	a93c98bd624b3f08		

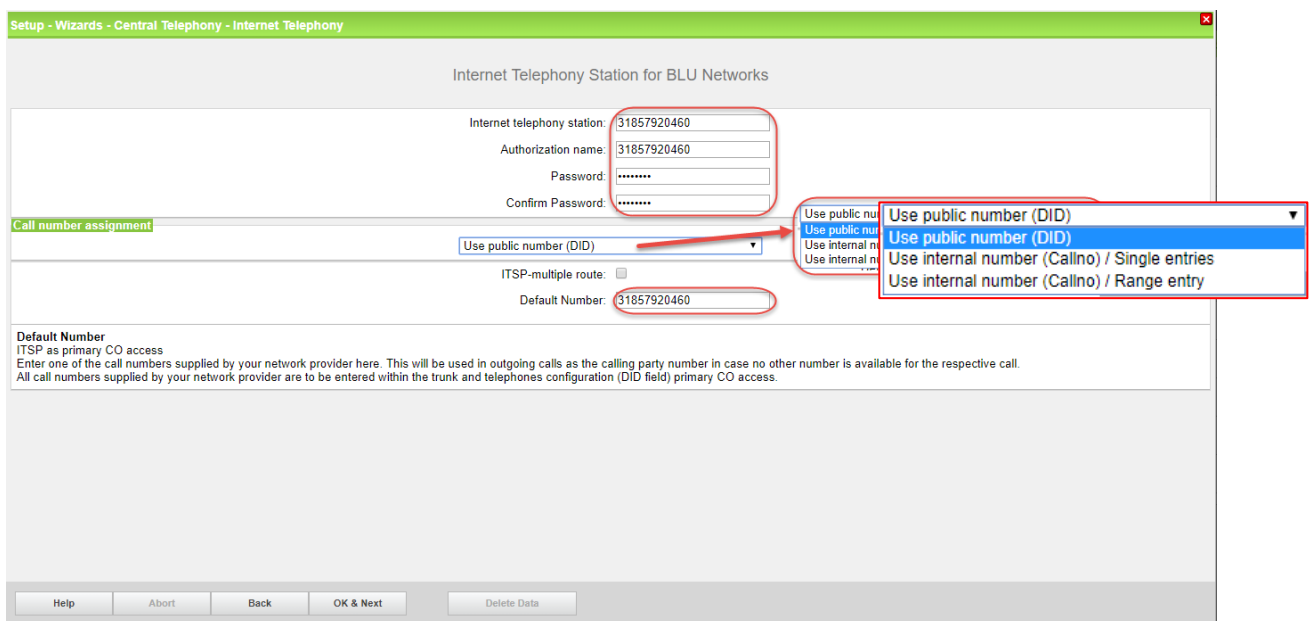
  

SIP Data Provider Info:

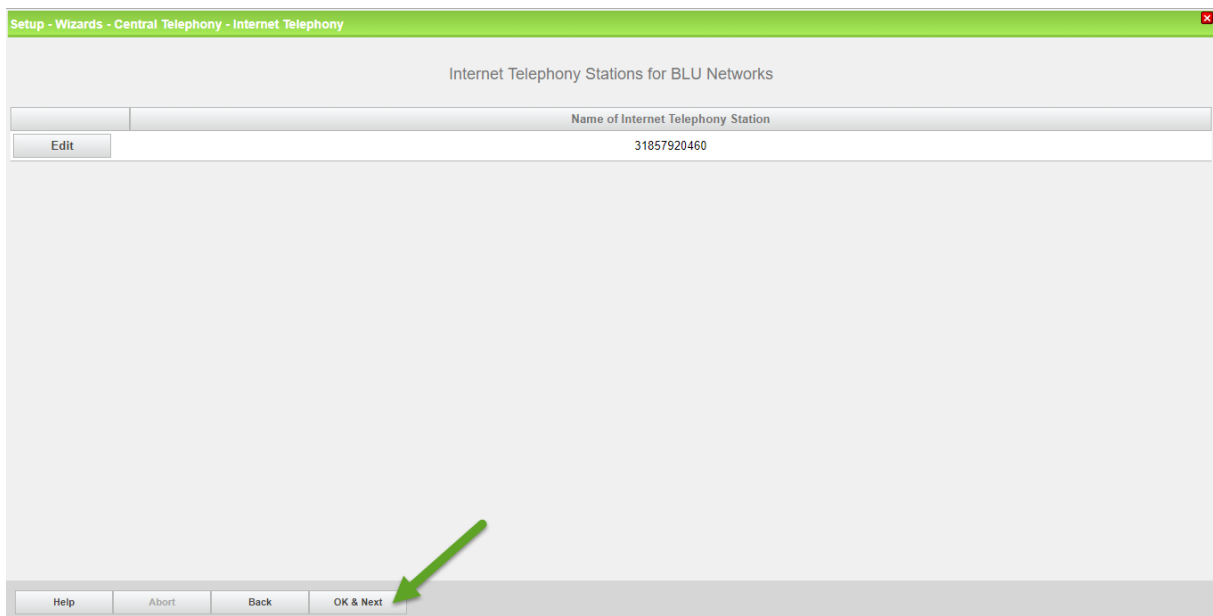
Username

Password

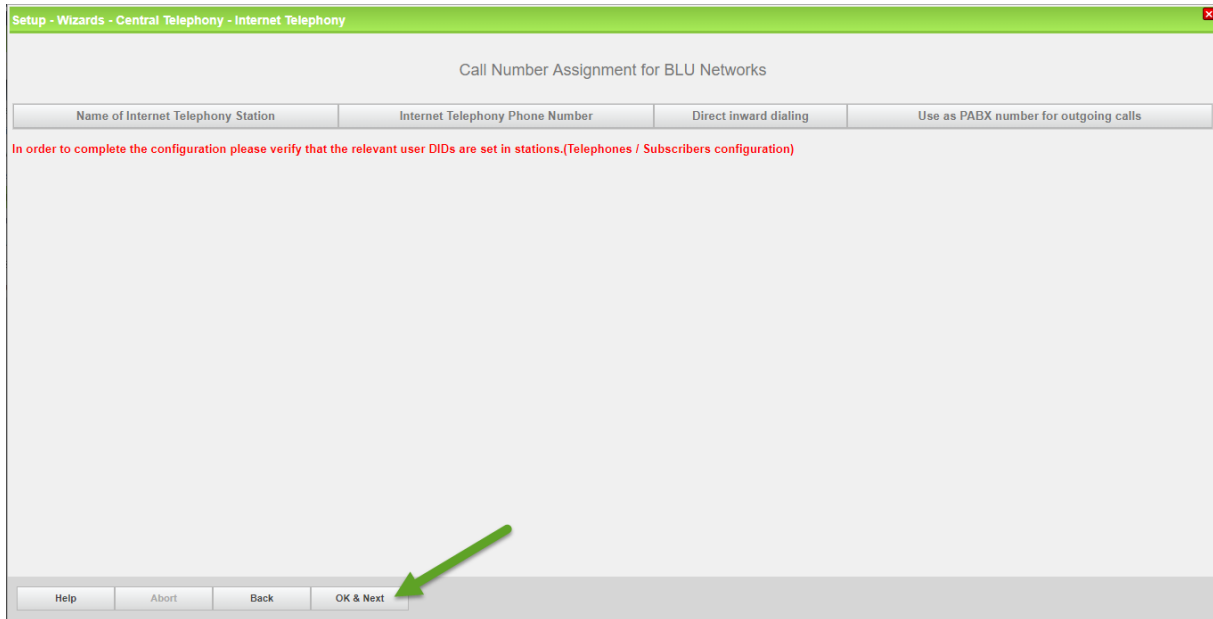
- Internet telephony station: “Gebruikersnaam” is inserted here.
- Authorization name: “Gebruikersnaam” is inserted here.
- Password: “wachtwoord” provided by ITSP BluNetworks is inserted here.
- Call number assignment: select “Use public number (DID)”. This is the easiest and preferred way to define 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 BluNetworks) 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)



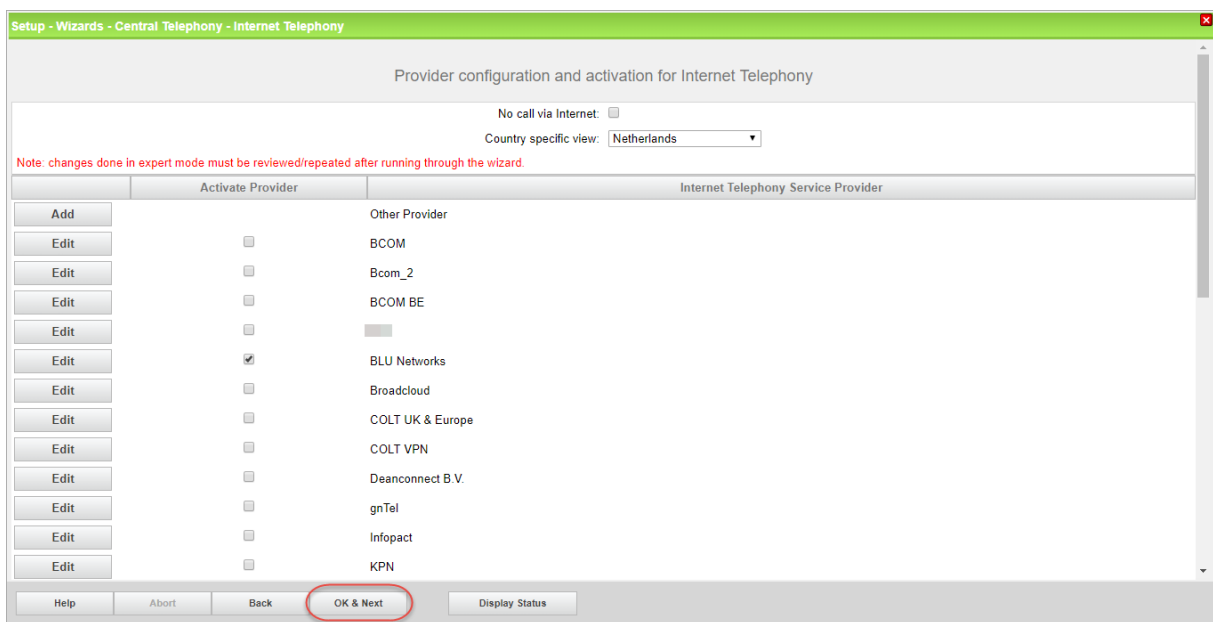
Click [OK & Next].



Click [OK & Next].



Click [OK & Next] (no input needed)

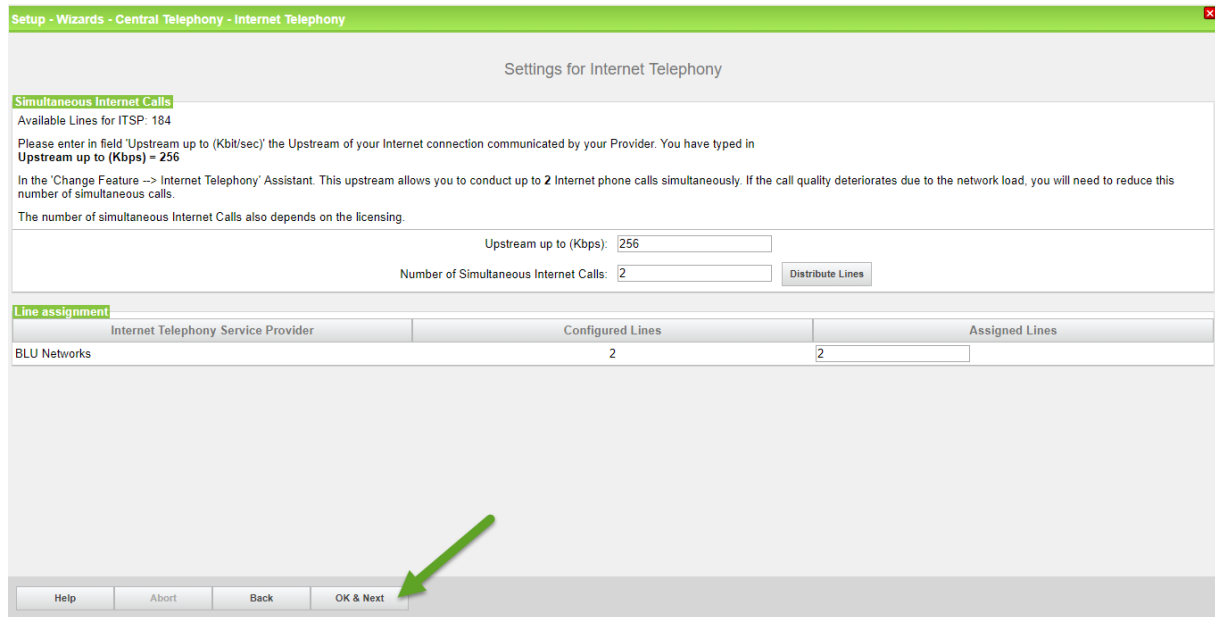


Click [OK & Next] (no input needed)



## 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: 184

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**

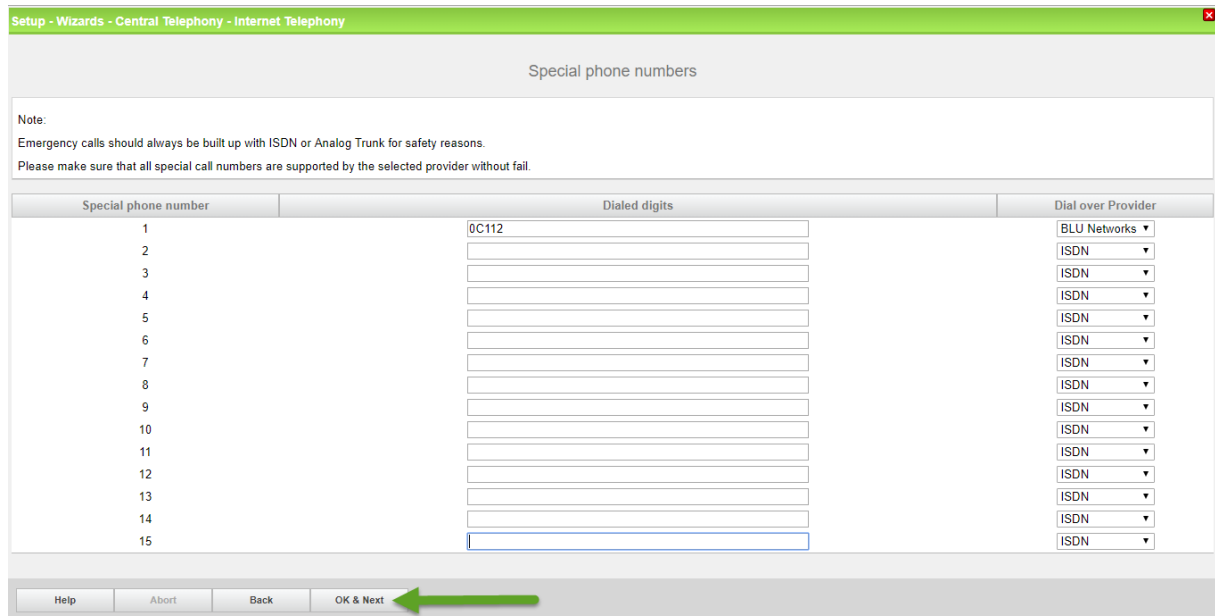
Internet Telephony Service Provider	Configured Lines	Assigned Lines
BLU Networks	2	<input type="text" value="2"/>

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:

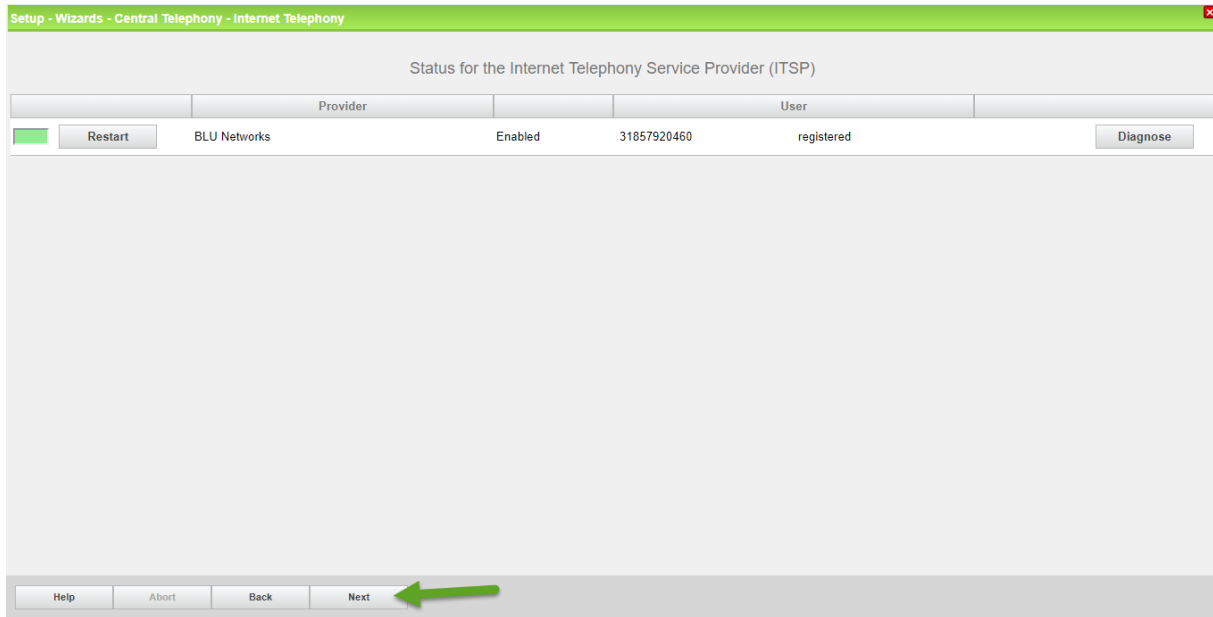
Emergency calls should always be built up with ISDN or Analog Trunk for safety reasons.

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	<input type="text" value="0C112"/>	<input type="text" value="BLU Networks"/>
2	<input type="text"/>	<input type="text" value="ISDN"/>
3	<input type="text"/>	<input type="text" value="ISDN"/>
4	<input type="text"/>	<input type="text" value="ISDN"/>
5	<input type="text"/>	<input type="text" value="ISDN"/>
6	<input type="text"/>	<input type="text" value="ISDN"/>
7	<input type="text"/>	<input type="text" value="ISDN"/>
8	<input type="text"/>	<input type="text" value="ISDN"/>
9	<input type="text"/>	<input type="text" value="ISDN"/>
10	<input type="text"/>	<input type="text" value="ISDN"/>
11	<input type="text"/>	<input type="text" value="ISDN"/>
12	<input type="text"/>	<input type="text" value="ISDN"/>
13	<input type="text"/>	<input type="text" value="ISDN"/>
14	<input type="text"/>	<input type="text" value="ISDN"/>
15	<input type="text"/>	<input type="text" value="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.

