SIP ITSP BKM

Version :   18/03/2020

How to Configure SIP Trunk for ITSP BKM

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Date	Version	Changes
2013-01-01	1.0	First version
2017-01-01	1.1	Rebranding BKM
2020-01-01	1.2	New settings
2020-03-17	1.3	Review and rework

Configuration Data

Information from ITSP BKM provided:

Name	Example
Call Number:	(2) 358 30 20 ………(2) 258 30 29
SIP Username: Account ID	329909022520
SIP Password:	e.g. : rnfwfqamzf4cpdx
Number of voice-channels:	2

BKM offers two types of trunks:

1. access via public network:
   for this type of trunk the profile could be used without changes
2. access via private link:
   for this type of access a new profile should be created based on predefined BKM profile

Configuration Wizard

Internet Telephony

Go to „Central Telephony – Internet Telephony"

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

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

access via public network: select BKM and continue with the steps below
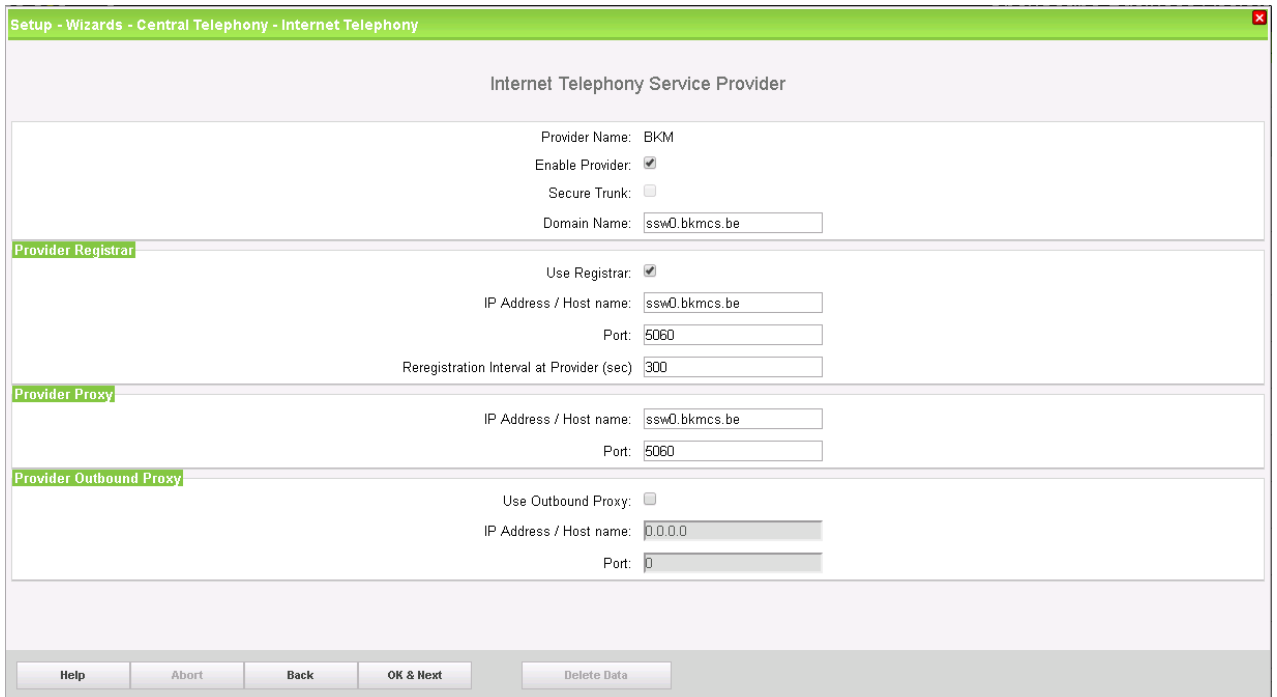**access via private link**: Other Provider, click on [Add] and follow the instructions on the next page

Access via public network
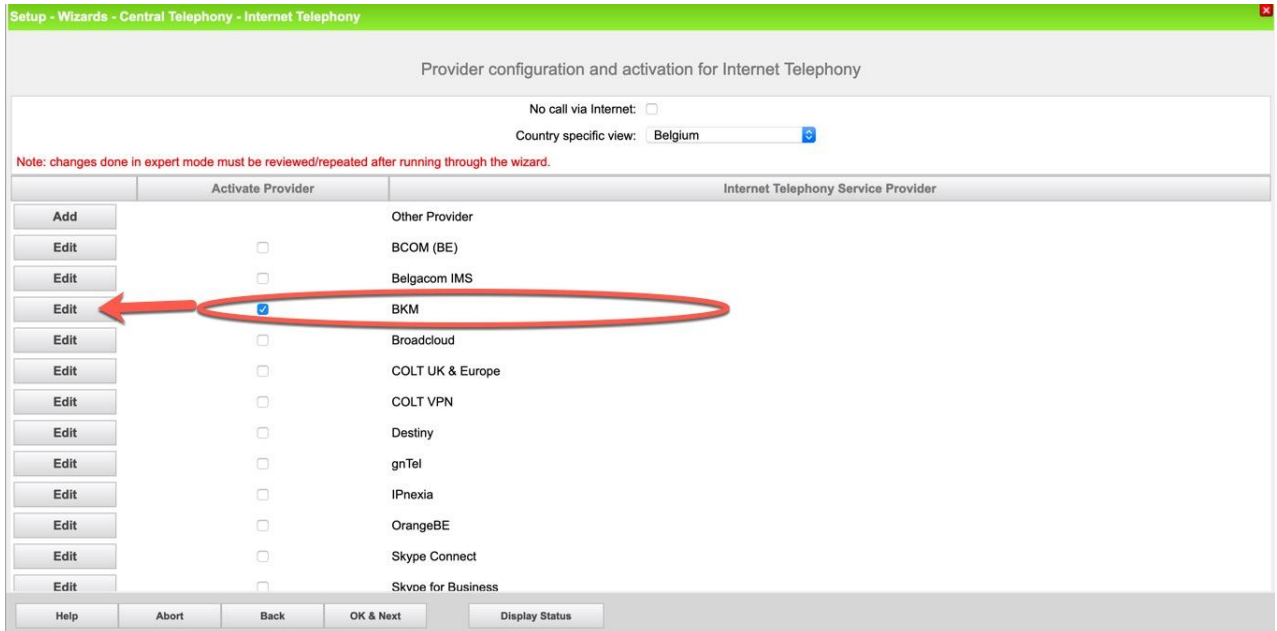
Activate Provider and click on [Edit].
The following settings are shown. They should not be changed.

Click [OK & Next] and continue with the Internet Telephony configuration

Access via private link

Select the predefined BKM profile as Base Template

- provide a name (max. 10 characters)
- enable Privider
- set Provider Registrar and Provider Proxy IP Address to 10.0.1.100
- Deactivate STUN

Click [OK & Next] and continue with the Internet Telephony configuration

Internet Telephony configuration

In this dialog the specific customer SIP User data will be configured.
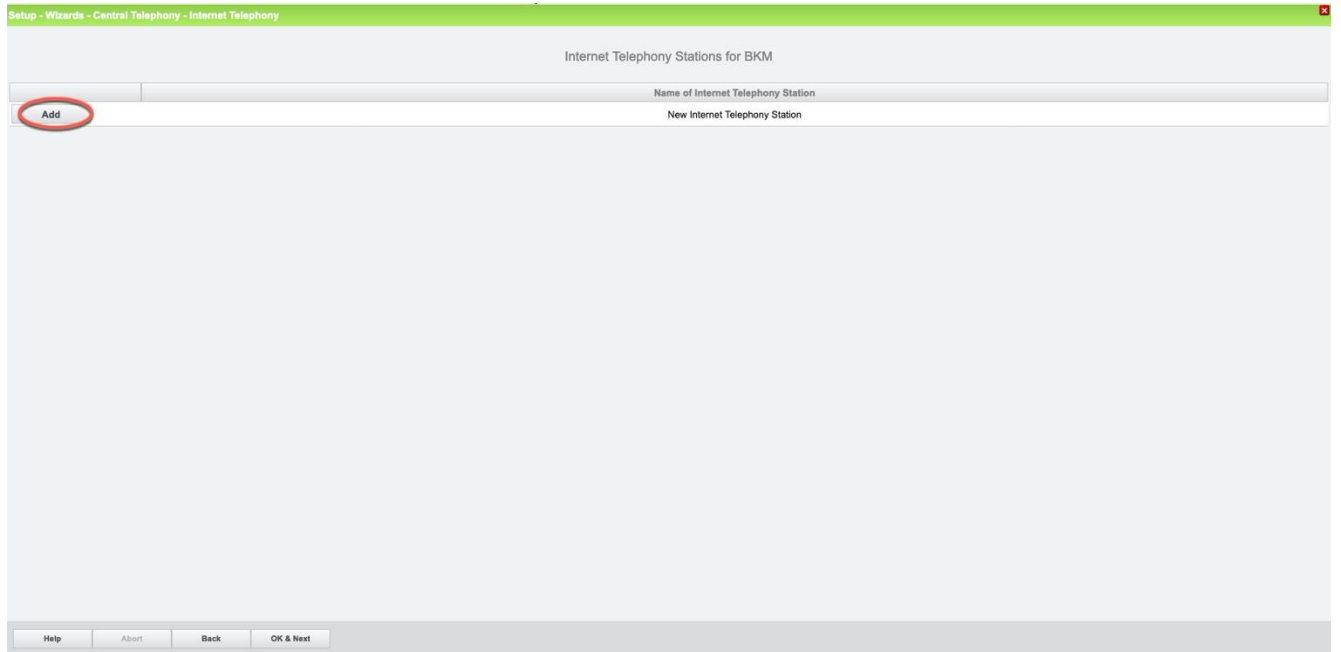
Click on [Add].
Data provided by ITSP BKM is inserted here.

Internet telephony station:	account ID of BKM is inserted here (e.g. 329909022520)
Authorization name:	account ID of BKM is inserted here (e.g. 329909022520)
Password:	Password provided by ITSP BKM. (Password)
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 BKM) must be configured on the same system. When this flag is activated you will be able to define extra accounts.
Default number:	Main number of connections. The default number is used as outgoing number when no DDI number is assigned to a station. (format: Implicitly international e.g. 3223583020)
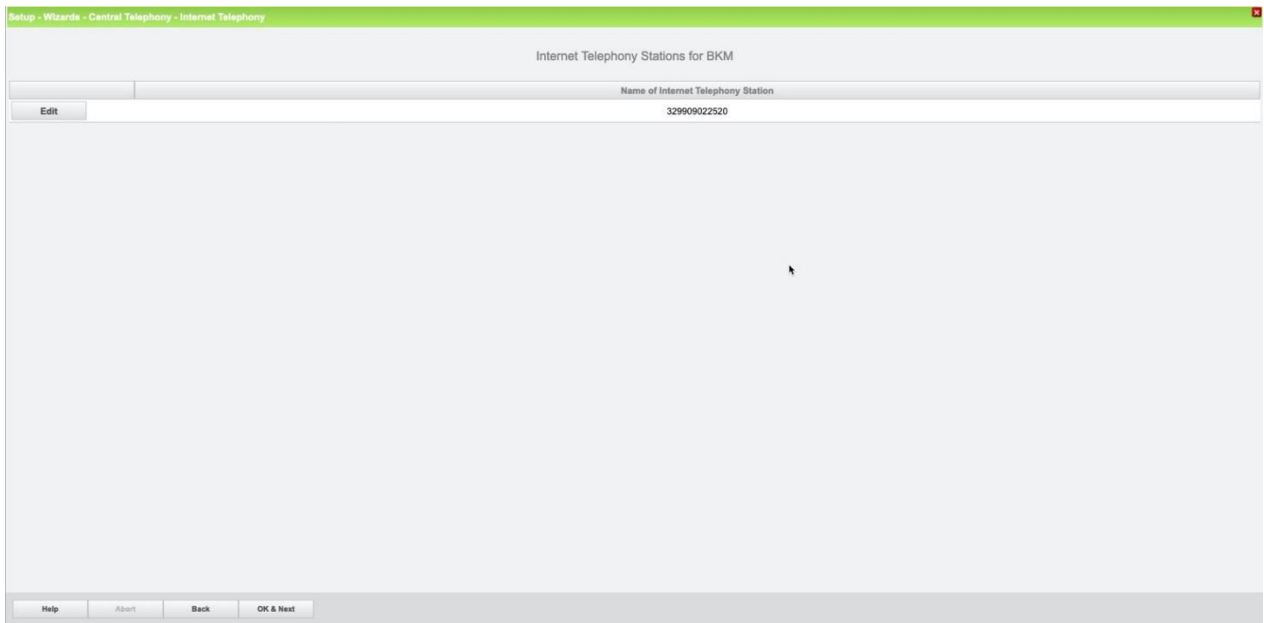
Click [OK & Next].
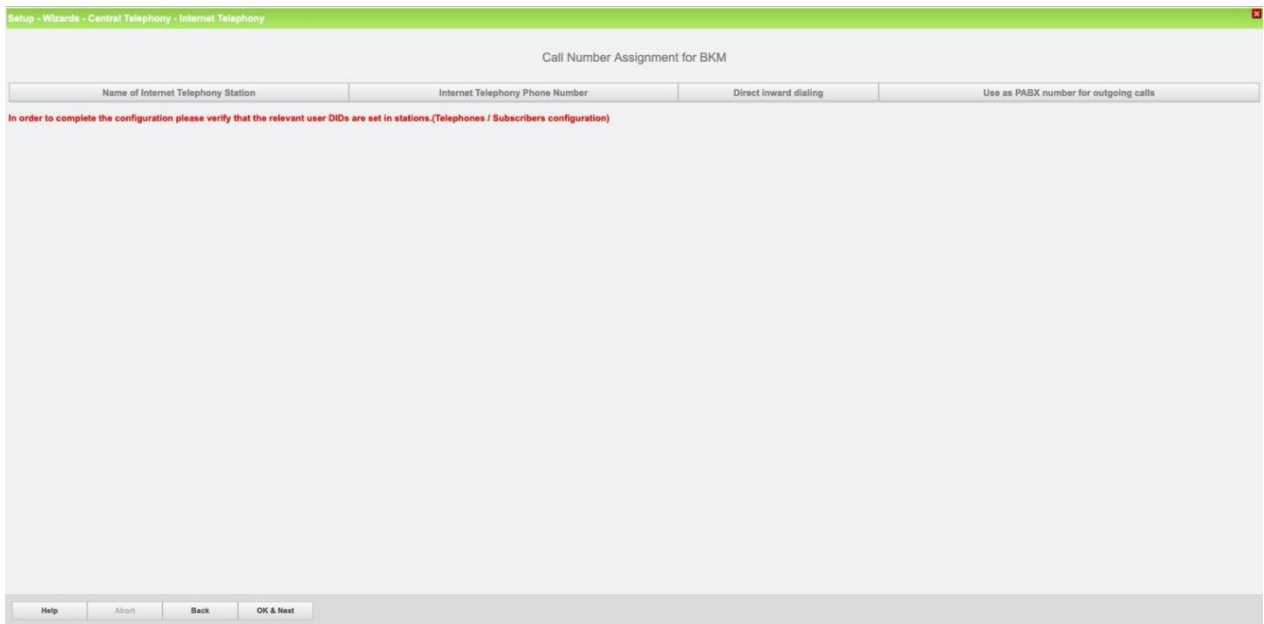
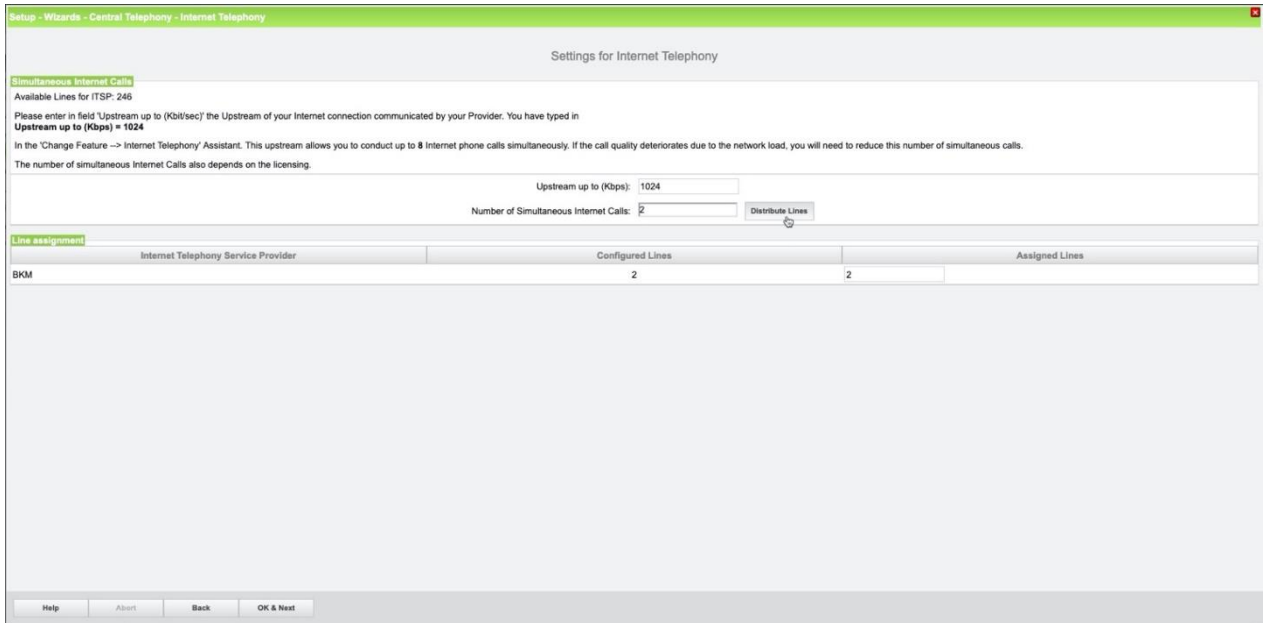Click [OK & Next].

Click [OK & Next]. (no input needed)
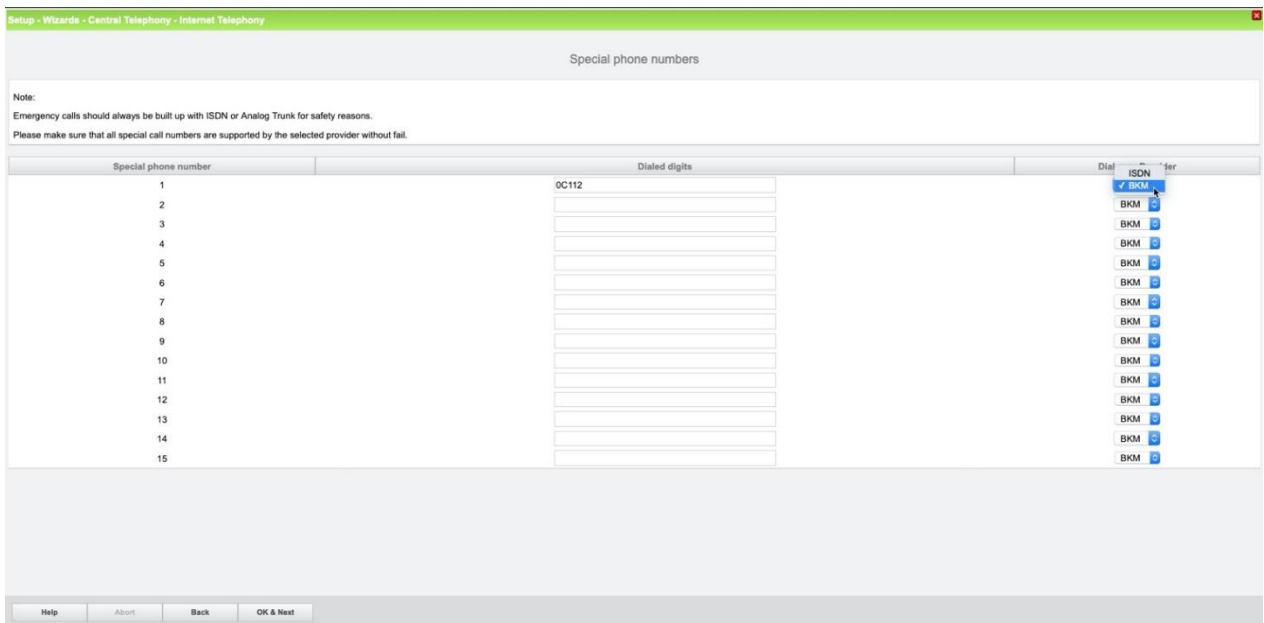
SIP ITSP BKM

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.
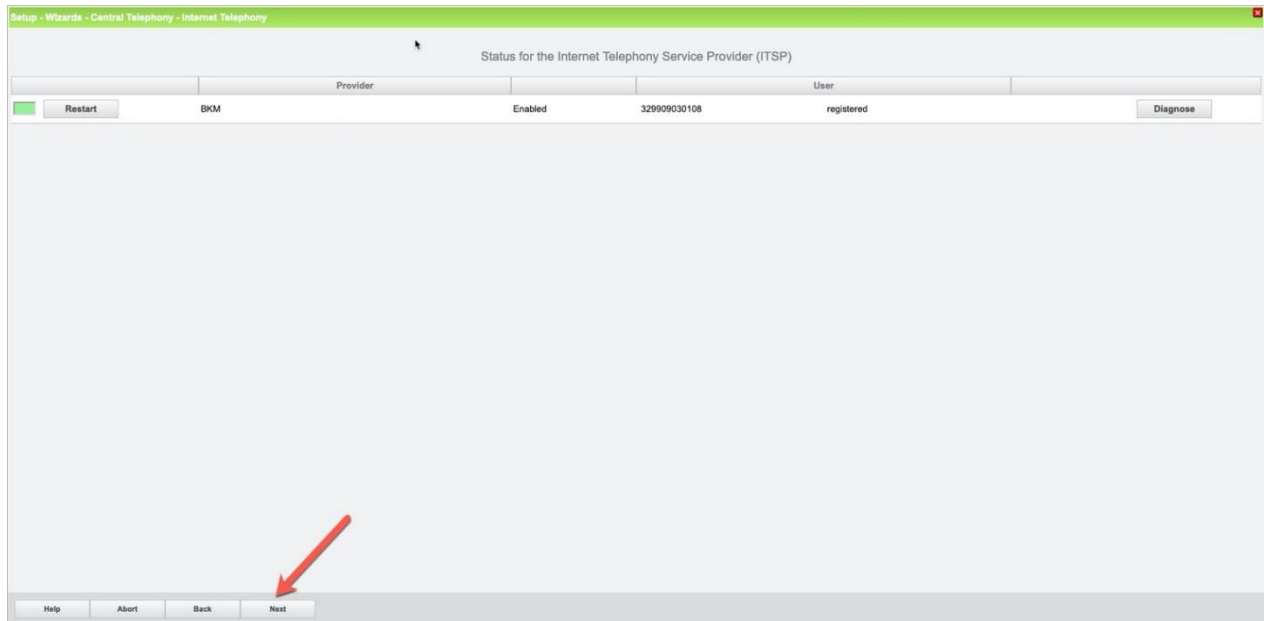

Click [OK & Next]

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.

Click OK & Next and the ITSP status will be displayed

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