OpenScape Business V3

How to Configure SIP Trunk for KPN EEN over TLS (KPN TLS NL) Netherlands

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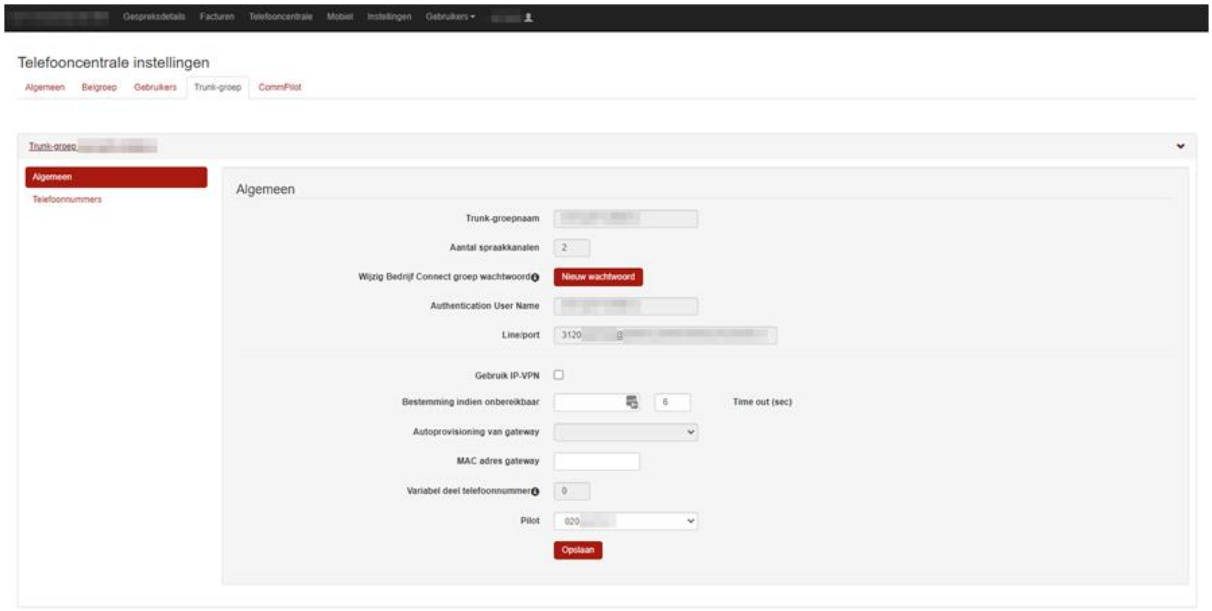
Date	Version	Changes
10.08.2021	0.1	First version
13.12.2021	1.0	Released with OpenScape Business V3R1 FR2
06.09.2024	1.1	editorial changes

Note: The basis for this document is the current OpenScape Business at the time of certification. Since OpenScape Business is constantly developed, input masks and interfaces as well as requirements may change in the future. The settings and entries described here then apply accordingly.

Trunk Configuration Data provided by NDI ICT Solutions

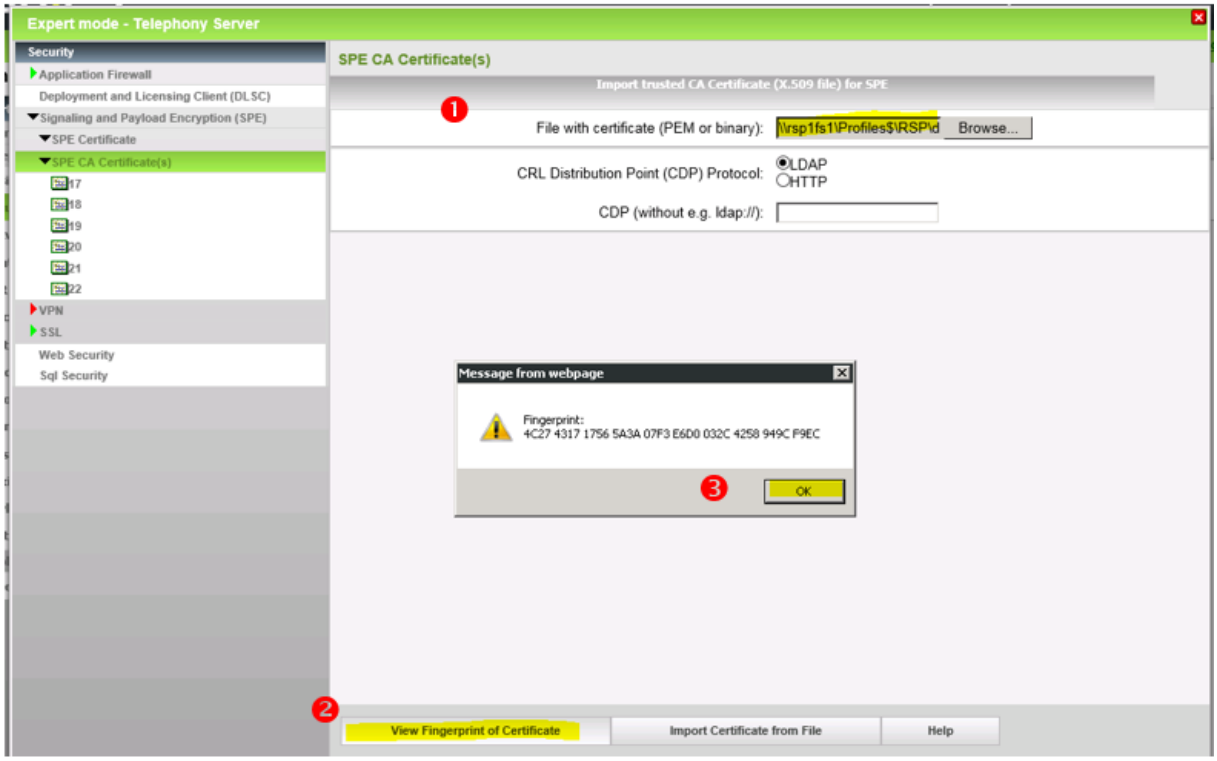
The configuration data needed to setup the SIP trunk can be found on the Routit Beheerportal under “Telefooncentrale instellingen” Page > Trunk Group > Algemeen:



Certificate import

Before OpenScape Business can establish a TLS connection to the ITSP server, the certificates provided by the ITSP must be imported.

The certificate import is performed in the WBM page Expert mode -> Telephony Server -> Security -> Signaling and Payload Encryption (SPE) -> SPE CA Certificates:



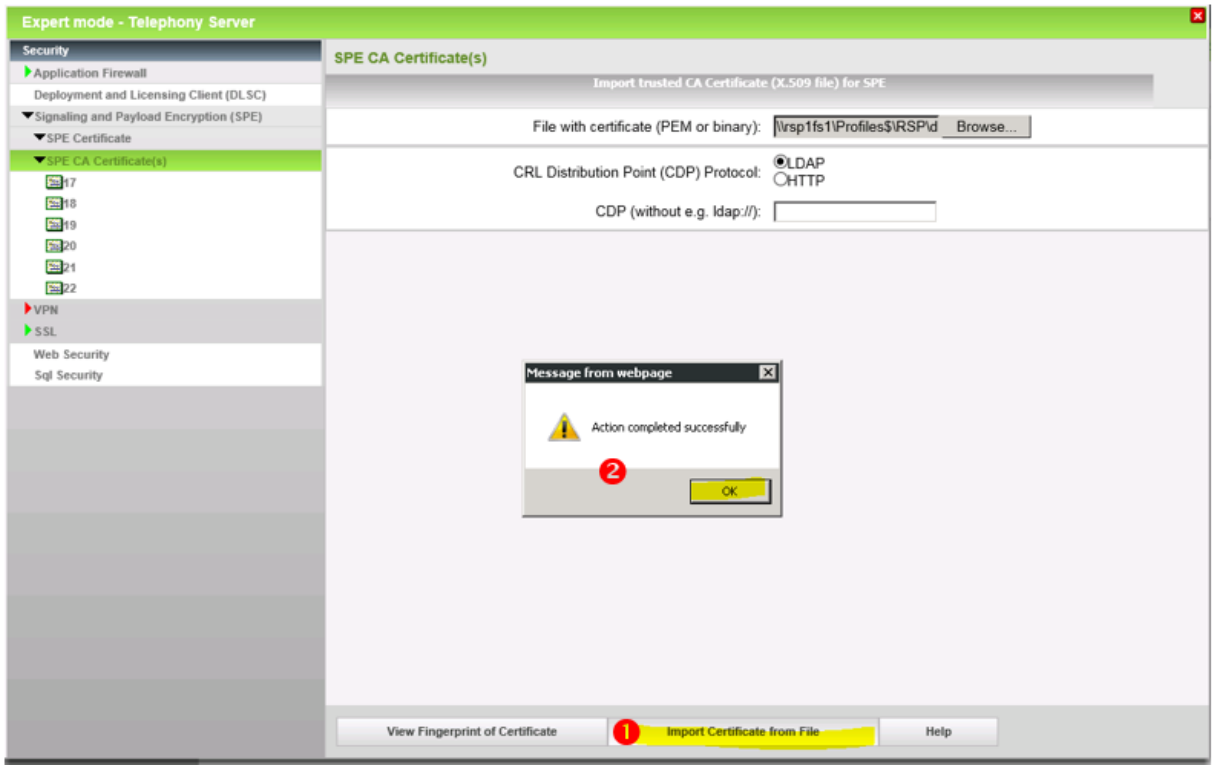
Select the *.pem file of your CA certificate and press „View Fingerprint…“.

Close the window showing the fingerprint with OK.

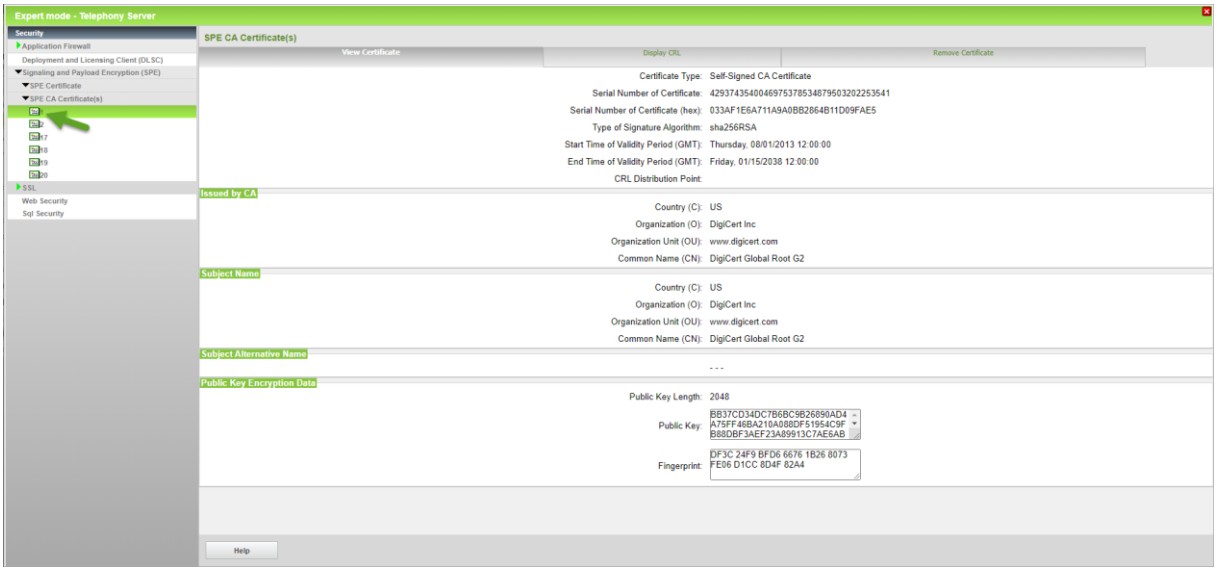
Note: OpenScape Business cannot import files with a "certificate chain". Each file can contain only one certificate.

Click "Import Certificate from File" and wait until the confirmation window appears.

Close with OK.



The imported certificate can now be displayed. Click on the "number", not on the symbol.

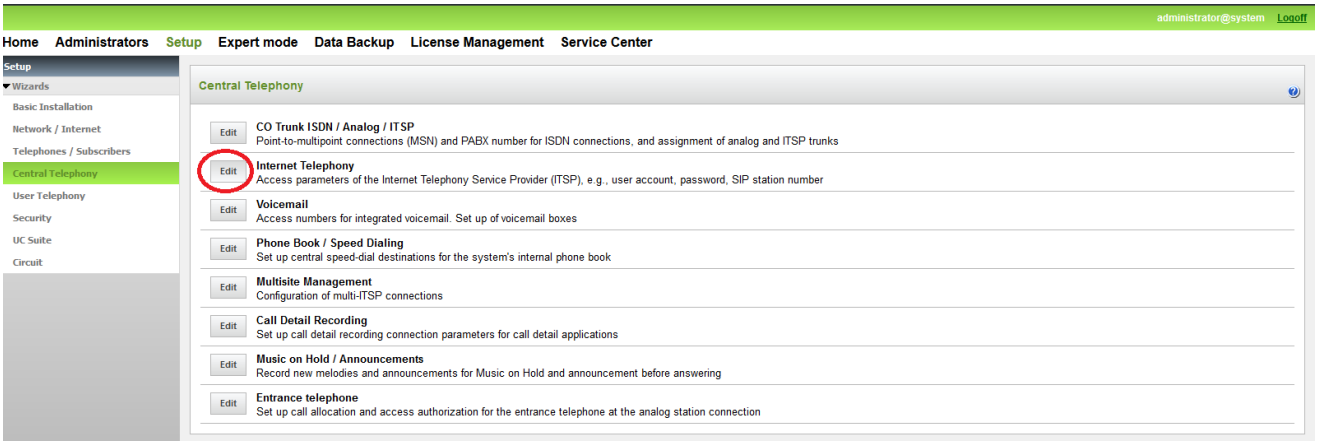


Then import the CA root certificate in the same way

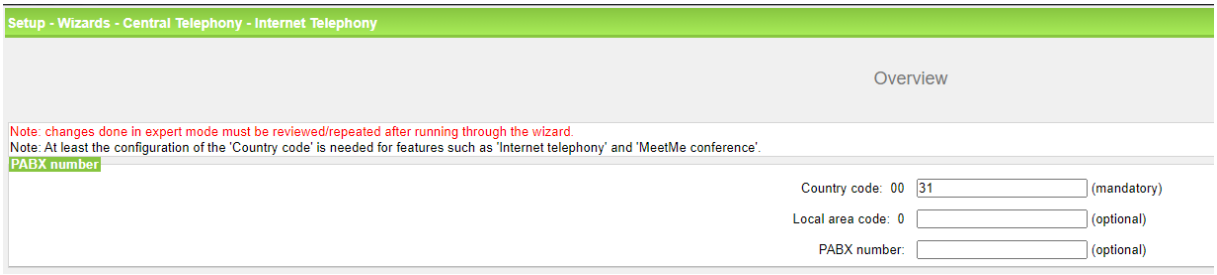
Configuration Wizard

Internet Telephony

Go to Central Telephony – “Internet Telephony“

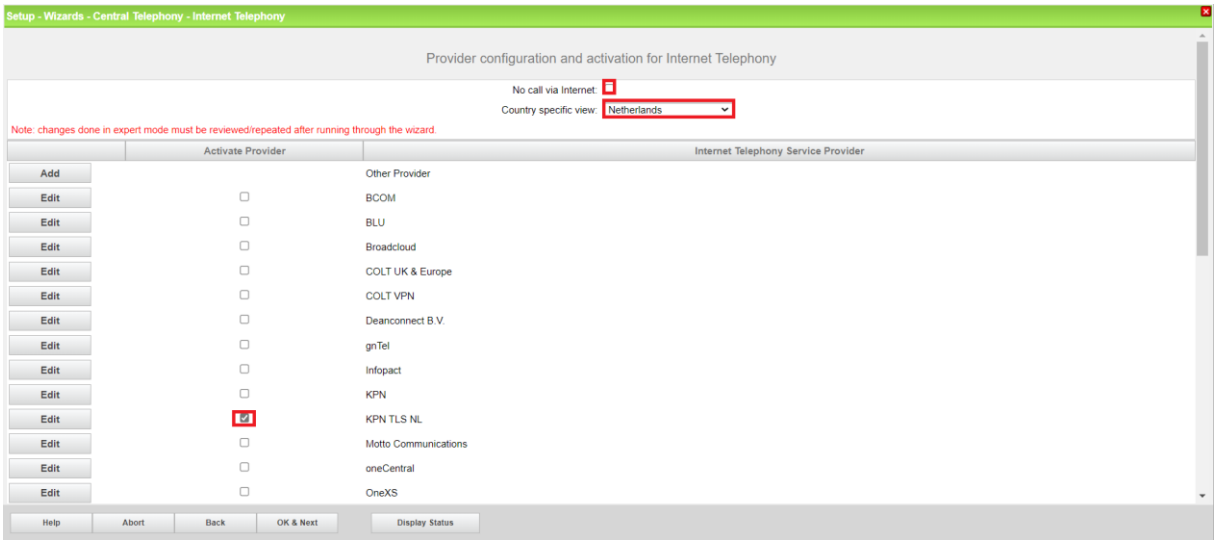


The overview page appears for entering the location data. The most flexible type of configuration is to enter the Country code only.



Click [OK & Next].

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



Activate Provider and click on [Edit].

On the next page you have to enter the following information:

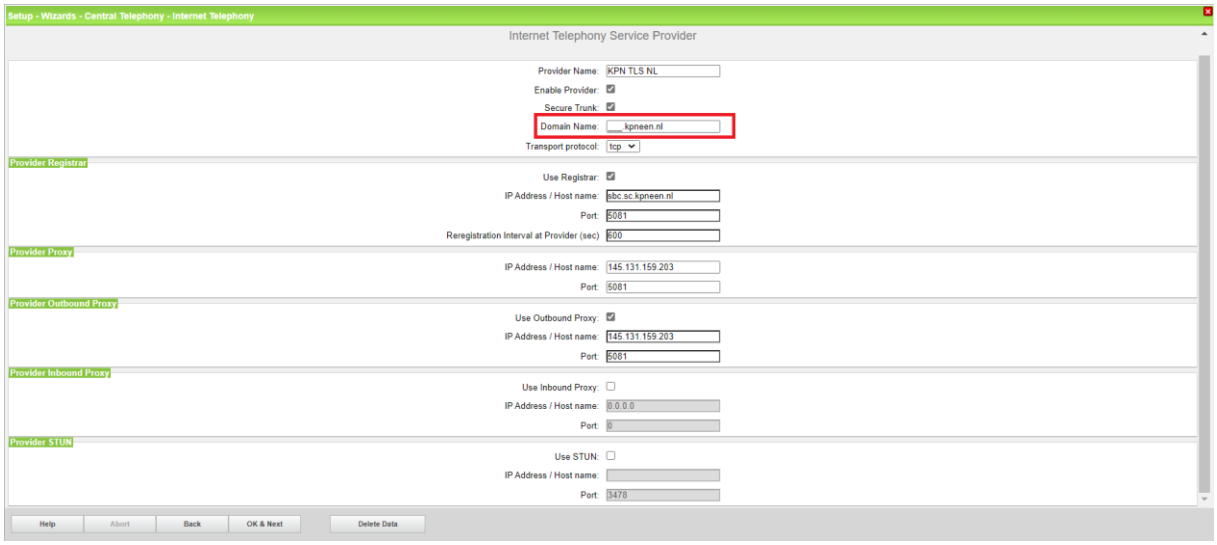
- **Domain Name**
  The SIP Domain Name is provided by KPN partner.

Voice Connect Group Password (authentication password)
E[redacted]

SIP / Line port Credentials - INVITE

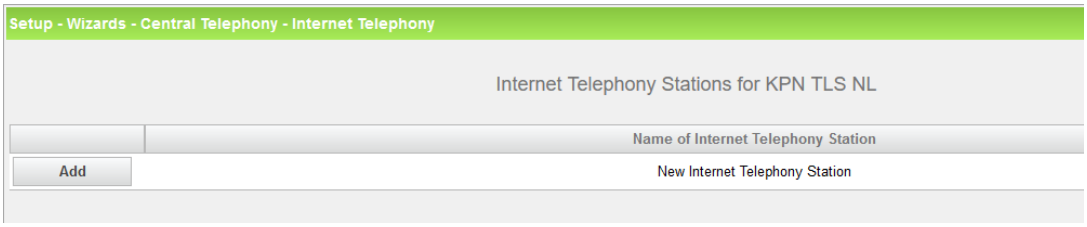
Domain	pl[redacted]n.kpneen.nl
Username/Pilot	31202807825
Application Server	KPN EEN v2 (ASB5)

- **Provider Registrar** and the **Provider Proxy**:
  The **Provider Proxy** : 145.131.159.203
  The **Provider Outbound Proxy** : 145.131.159.203



Click [OK & Next].

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



Click on [Add].

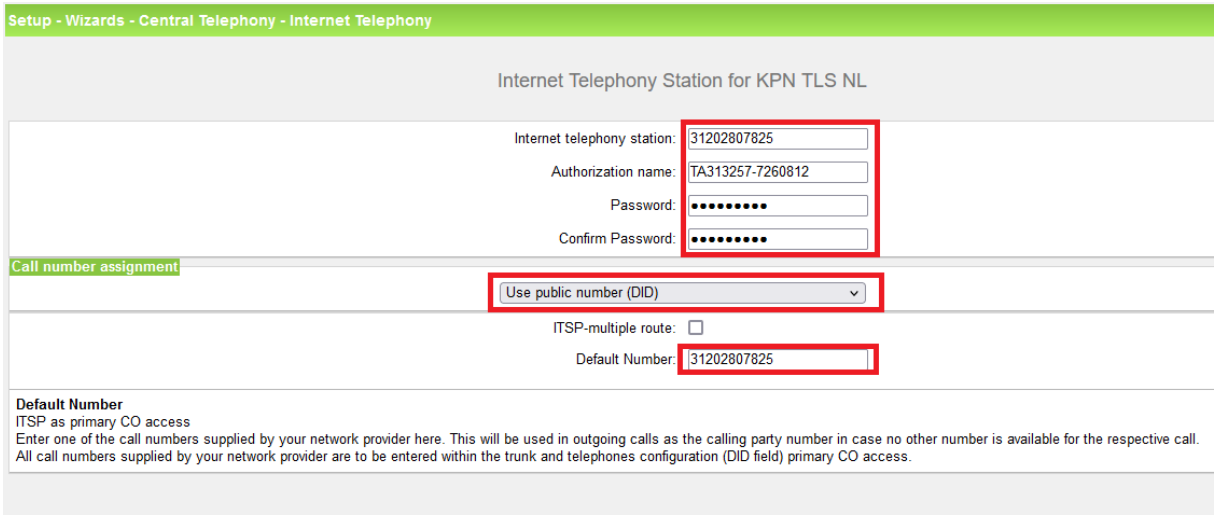
Data provided by KPN Partner:

Internet telephony station: **Username/Pilot** is inserted here (e.g: 31202807825)

Authorization name: **Authentication User Name** is inserted here (e.g: 31202807825)

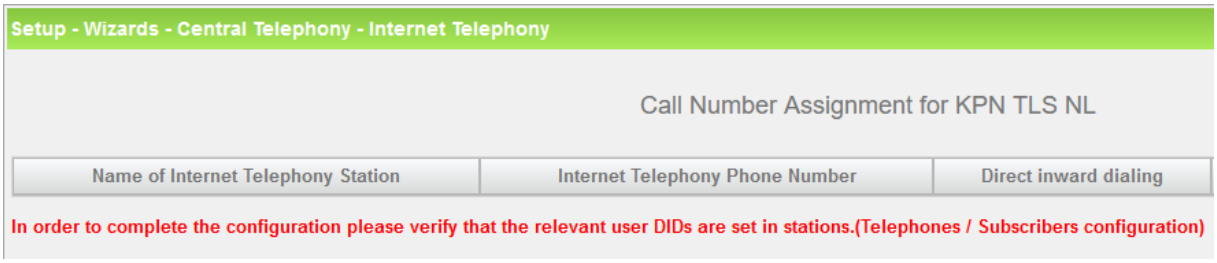
Password: **Password** provided by KPN Partner

Default number: Main number of connection. The default number is used as outgoing number when no DDI number is assigned to a station. (e.g: 31202807825). Usually the **Lead Number** is entered here.

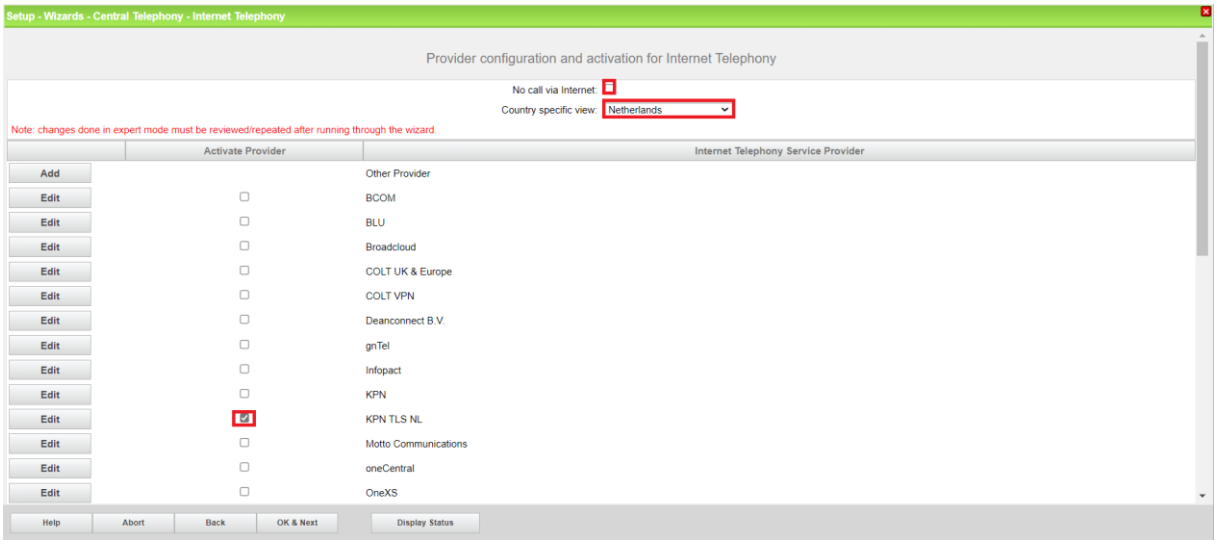


Enter the relevant data and click [OK & Next].

Click [OK & Next]



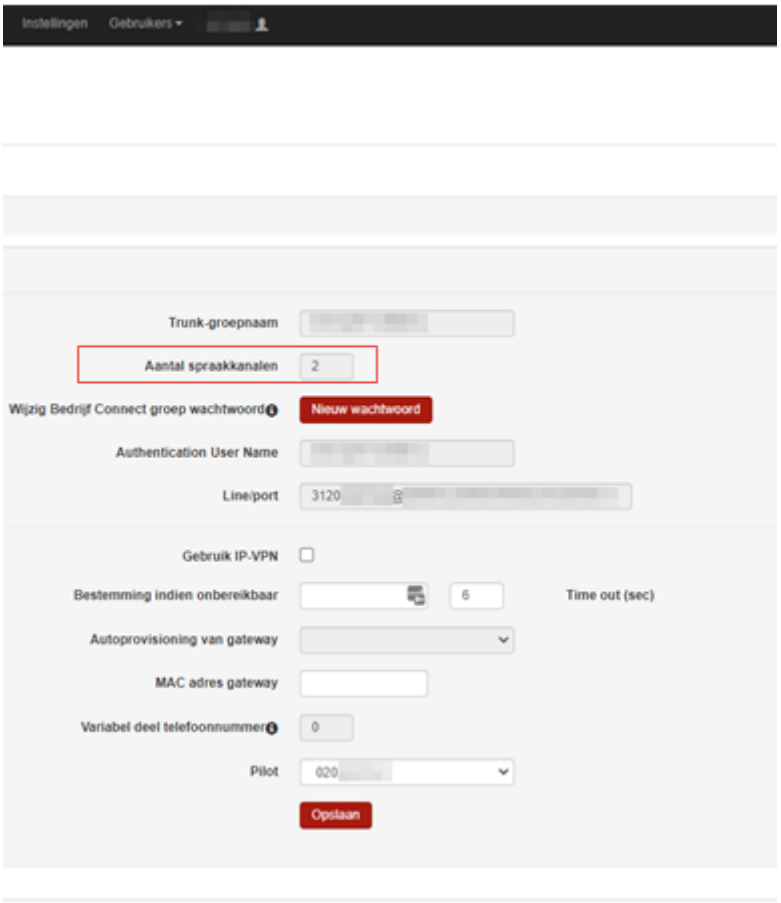
Click [OK & Next] (no input needed)

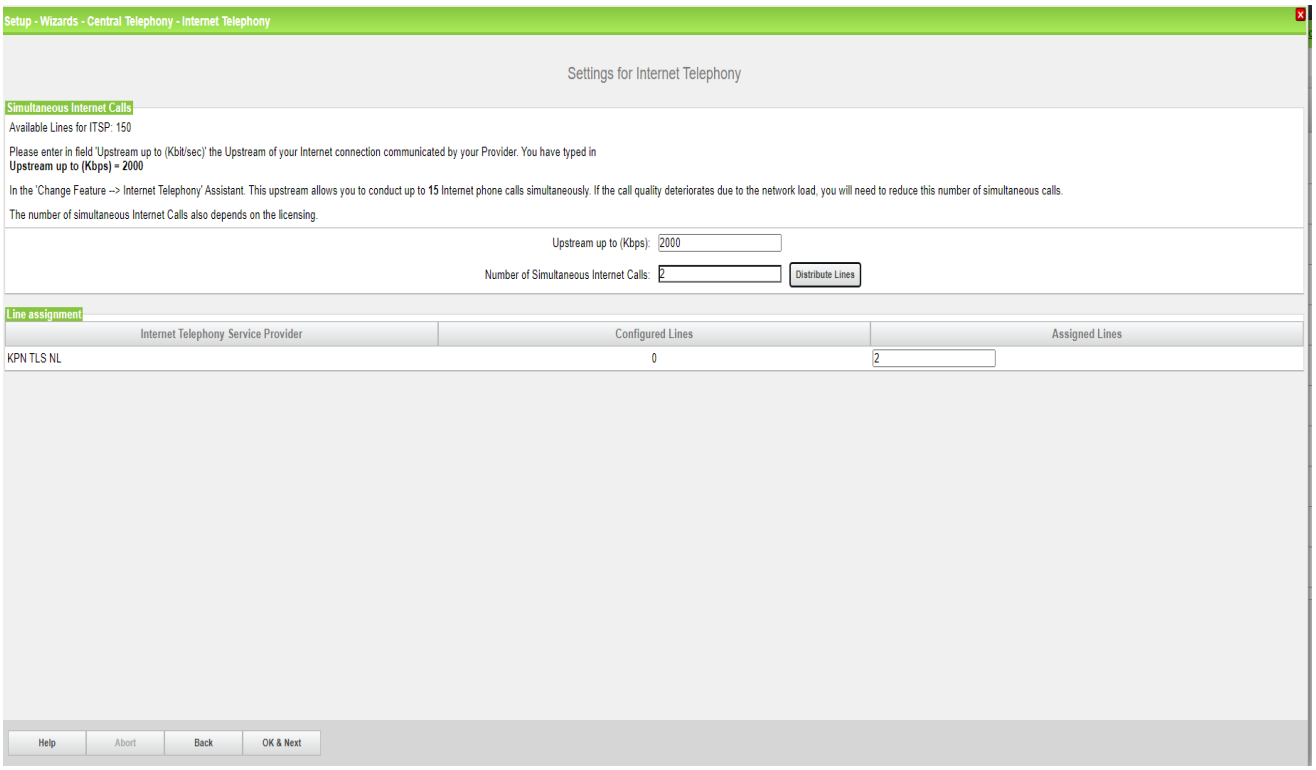


Click [OK & Next]

Define bandwidth (# Trunks)

The amount of simultaneous Internet (**Assigned Lines**) calls must be aligned with the **Maximum Active Calls** assigned to the Trunk Group on the Routit Beheer Portal.

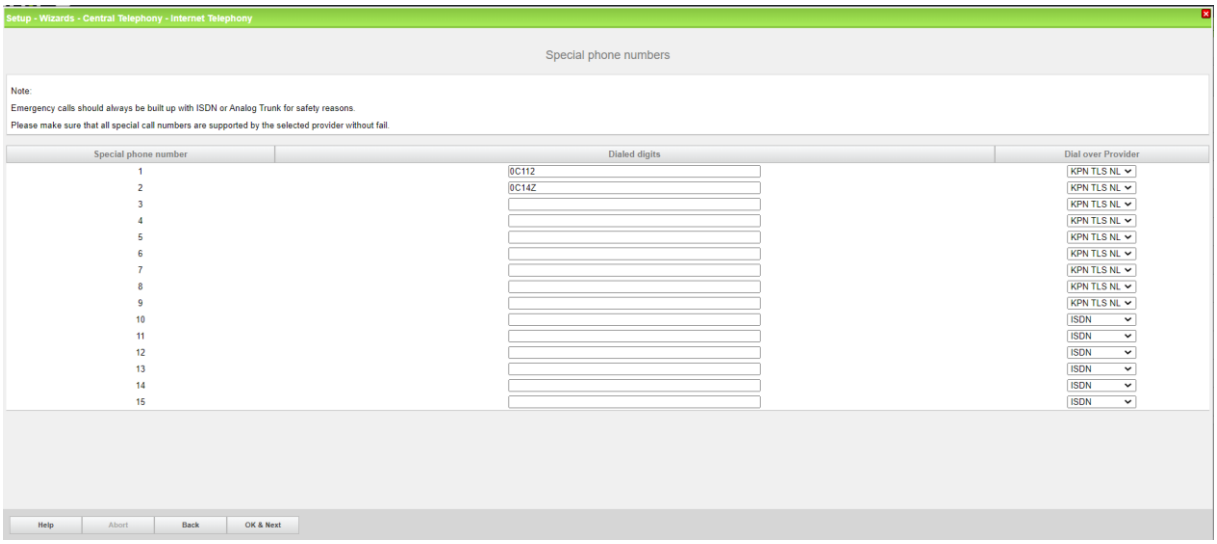




Click [OK & Next]

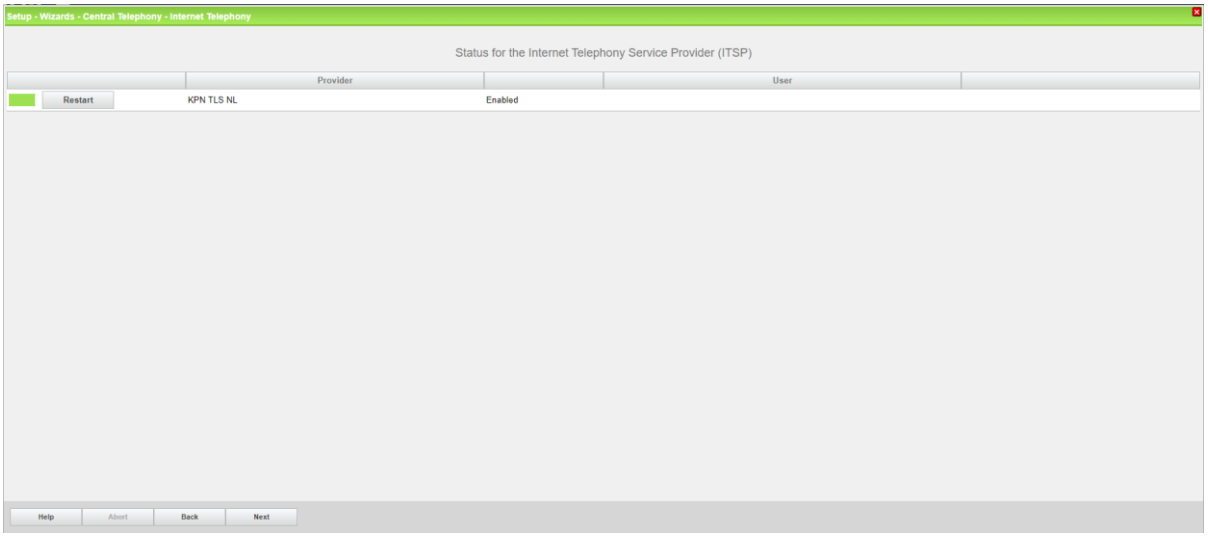
Special phone numbers

In this dialog it is possible to route special phone numbers.



Click [OK & Next]

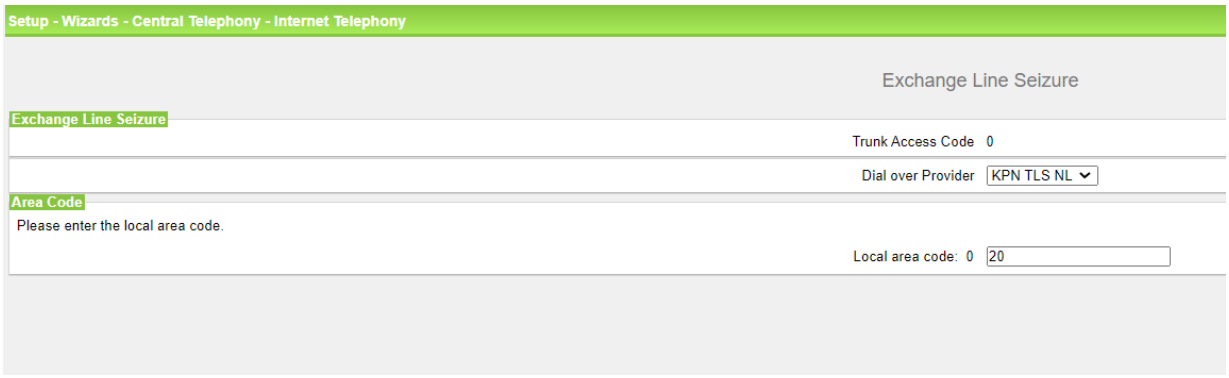
On next page status of ITSP is displayed.



Click [Next]

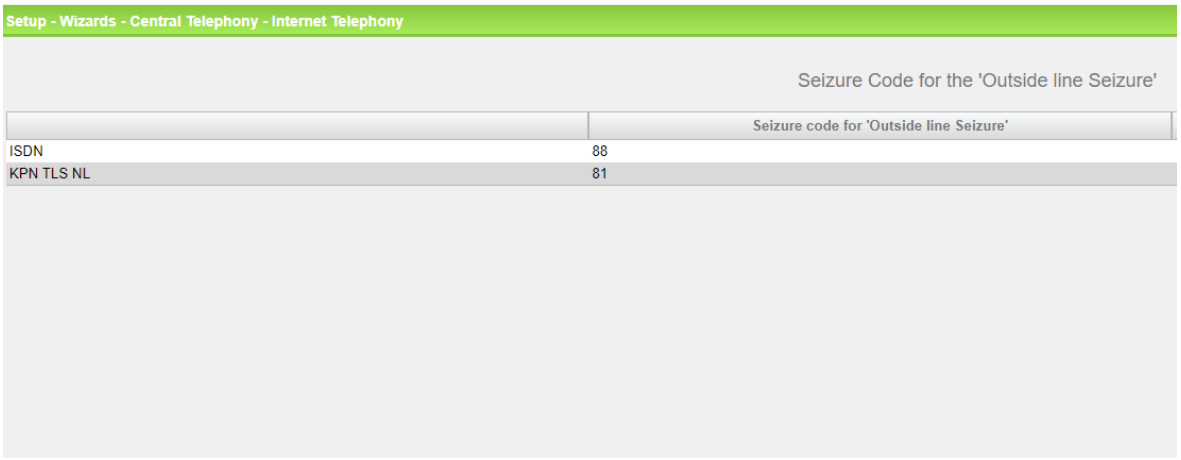
„Exchange Line Seizure“:

Select which trunk will access code 0. Enter the local area code without prefix digits (needed only when local area code was not entered in first step PBX number)



Click [OK & Next]

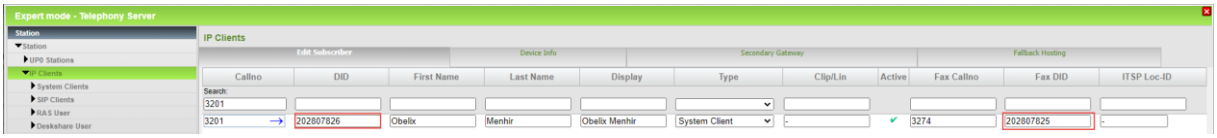
Overview with all configured „Outside line Seizure“ are displayed.



Click [OK & Next] and on the next page [Finish]

DID configuration

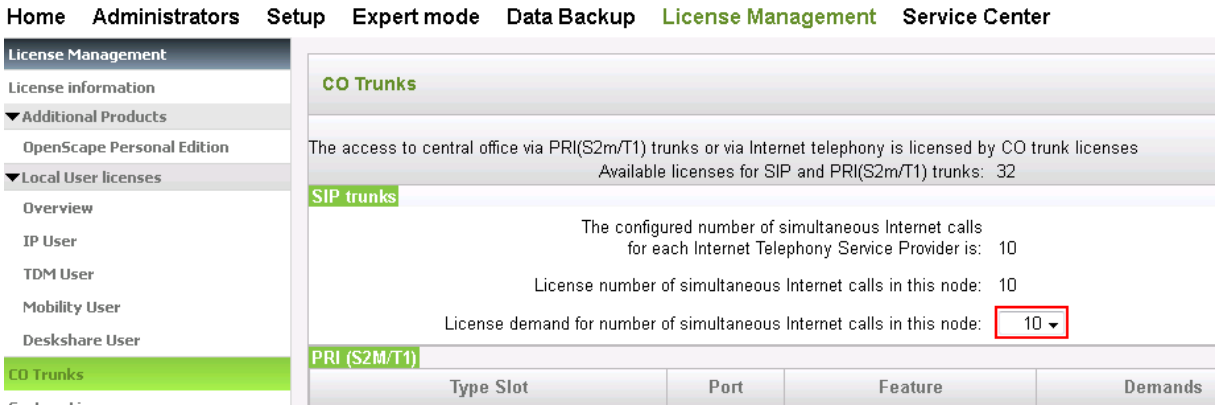
In the DID Section, the full DID will need to be entered without the country code.



Additional Configuration

License

Add the “S2M/SIP Trunk” license to the SIP-Trunk



Codec Parameters

Go to Expert Mode → Telephony Server → Voice Gateway → Codec Parameters

To comply with the requirements of the ITSP the following codec parameters **MUST** be changed:

1. G.729A and G.729AB are **NOT** supported by Routit/KPN and **SHOULD** be disabled.