OpenScape Business

How to Configure SIP Trunk for Jaguar Network - France

Table of Contents

Table of History

Date	Version	Changes
10.10.2019	1.0	First version for V2R7.1
10.09.2024	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 Jaguar Network

Example of info provided by Jaguar

Primary trunk : siprouting.trunking.private.**mar02**.as30781.net (mar -> Marseille)
Rescue trunk : siprouting.trunking.private.**par01**.as30781.net (par -> Paris)
Login : ST0123456
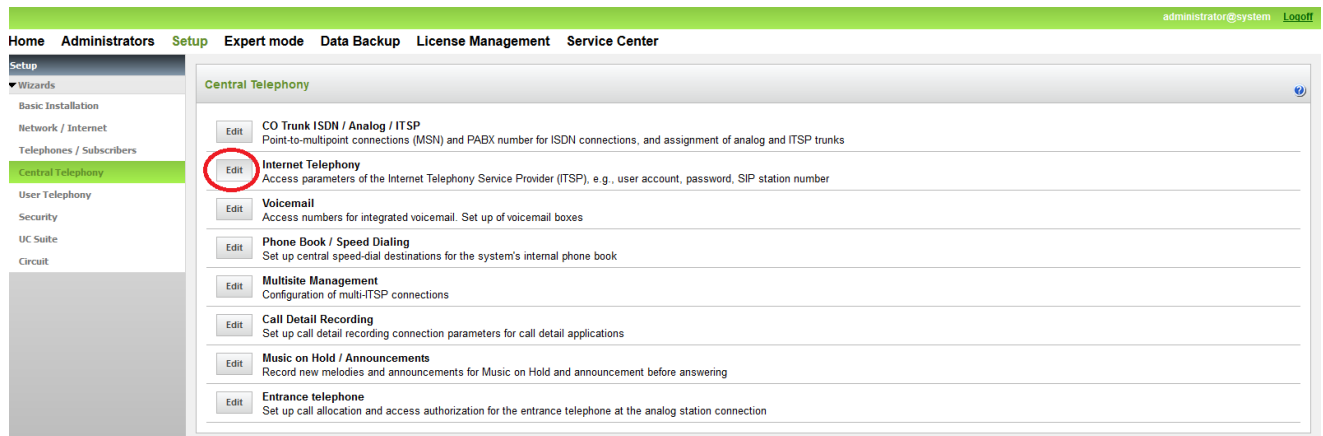**Password :** 123abc!xyz
NDI : 0970660130
NDS : 0970660131 to 0970660134
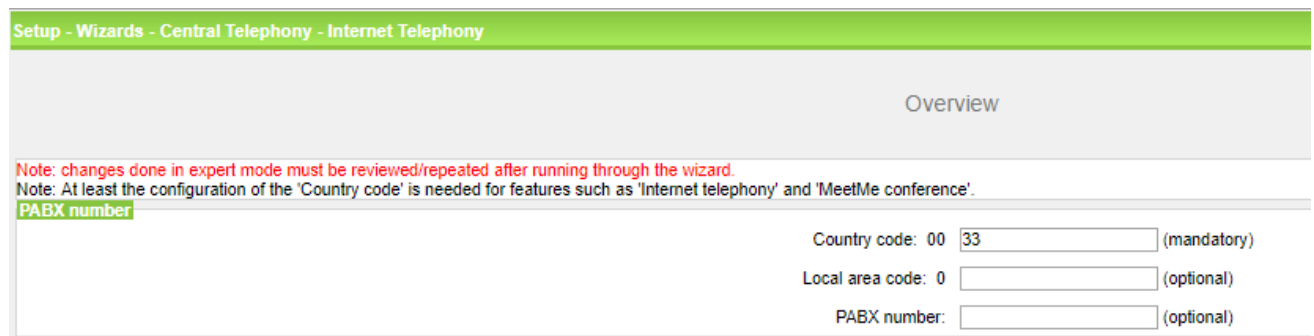**Codecs :** G711a , G729, G711u
Number of channels: 8

Trunk Configuration Data provided by Jaguar Network

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: France and select primary trunk location e.g. "Jaguar Network Marseille"
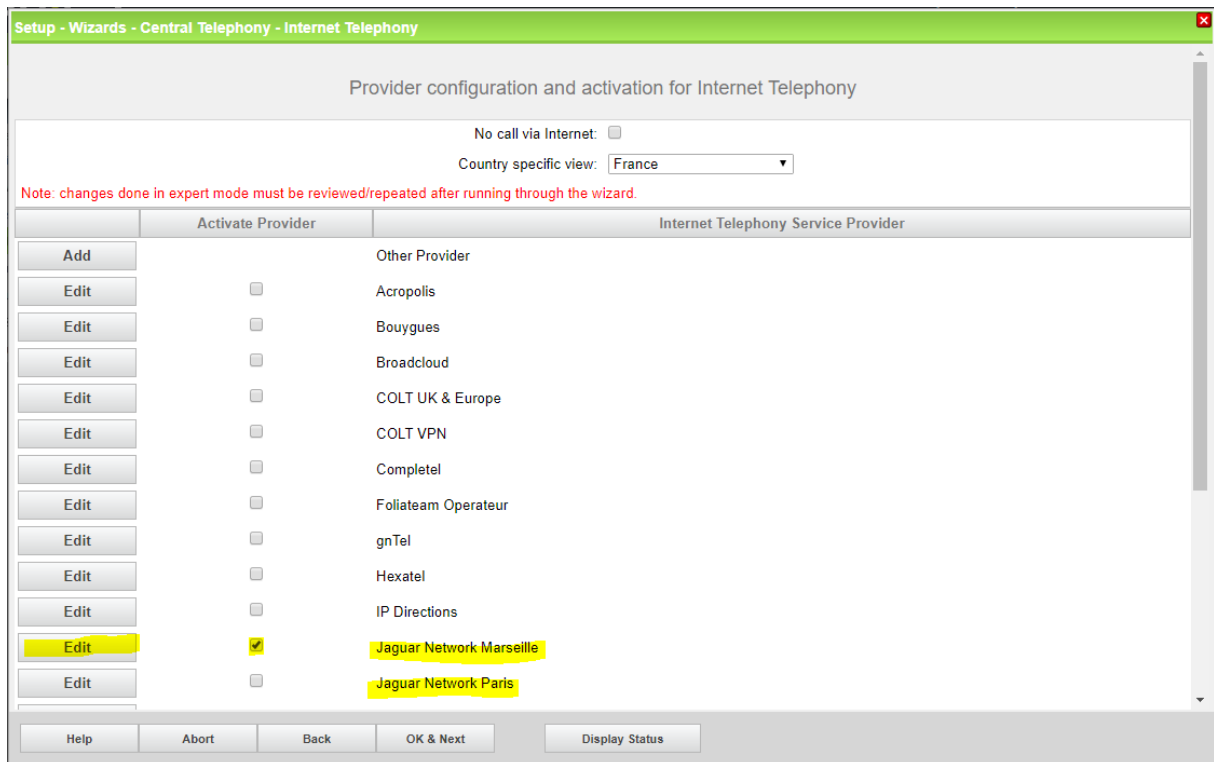
Which of the two locations (Paris or Marseille) needs to be selected for primary is defined by Jaguar in the data received for the trunk configuration

Activate Provider and click on [Edit].

Nothing needs to be entered in this page, the server addresses are predefined:

Click [OK & Next].

In the next dialog the specific customer SIP Userdata will be configured.
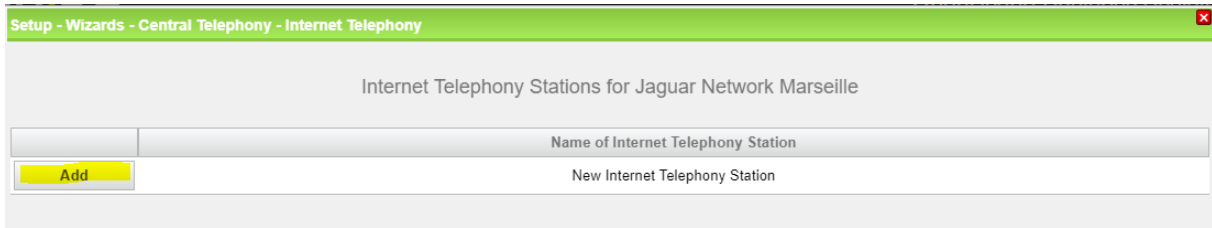
Click on [Add].

Data provided by the technician:

**Internet telephony station**:   **Username** is inserted here (e.g: 0970660130)

Authorization name: **Username** is inserted here (e.g: ST001043)
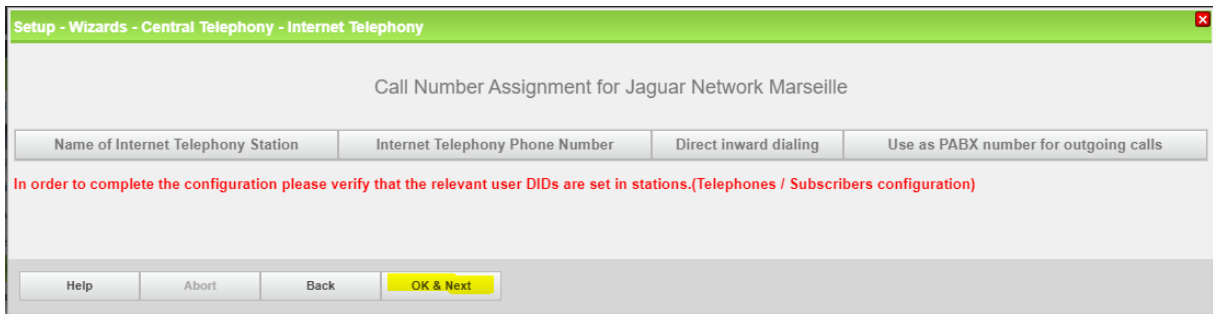
Password: **Password** provided by Jaguar Network

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: 0970660130). Usually the **Lead Number** is entered here.
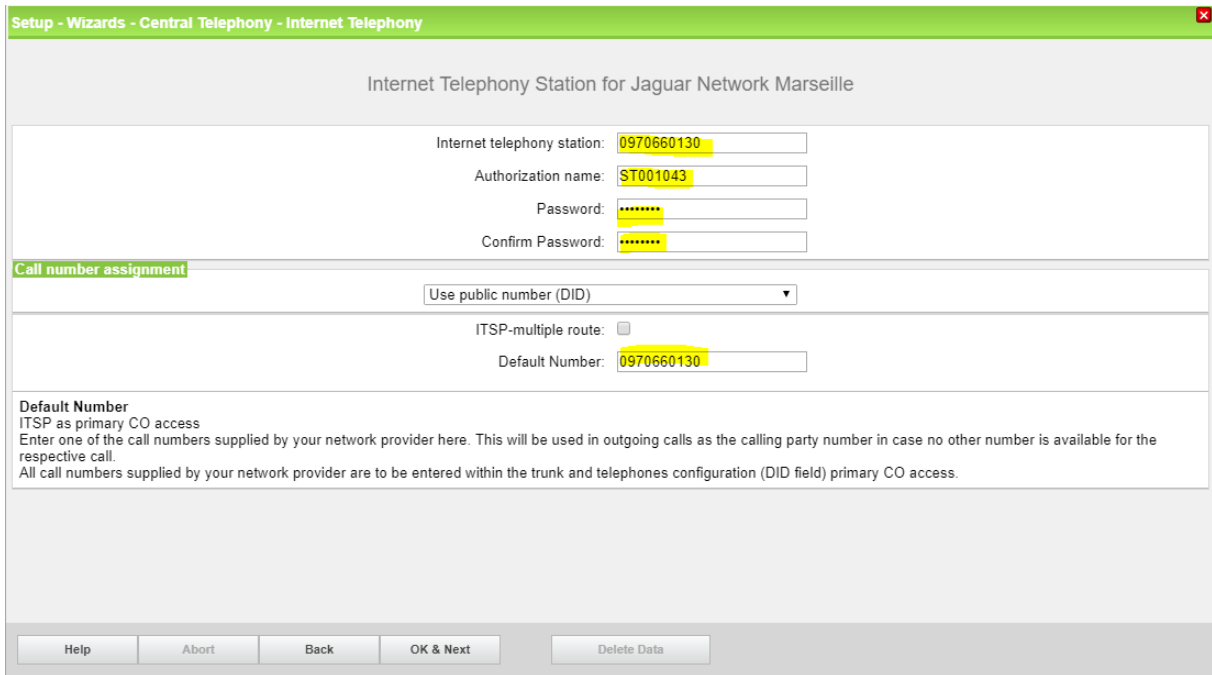
Enter the relevant data and click [OK & Next].
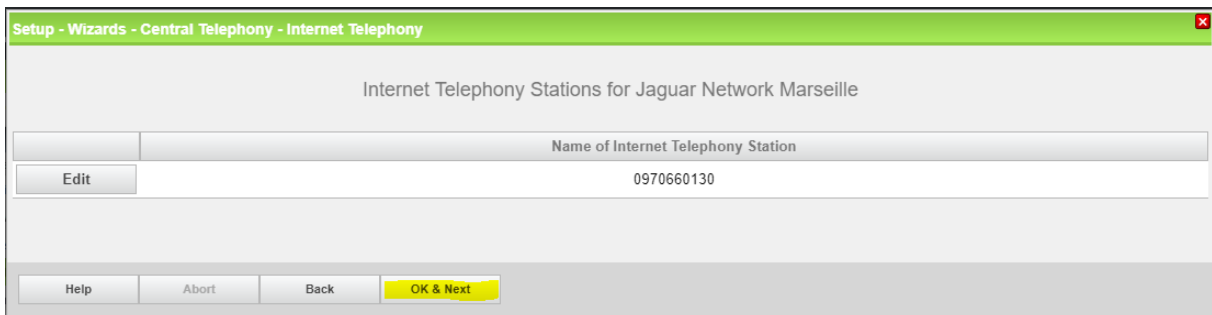
Click [OK & Next]

Click [OK & Next] (no input needed)

The next page displays the different ITSPs again. Now it is time to activate the "rescue trunk"

Activate Provider and click on [Edit].

Nothing needs to be entered in this page, the server addresses are predefined:

Click [OK & Next].

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

Click on [Add].

The Internet telephony station MUST be unique, so please use either a unique string or take the Username with a suffix

Data provided by the technician:

Internet telephony station: **Username with suffix** is inserted here (e.g: 0970660130-rescue) (different from entry in primary trunk !)

Authorization name: **Username** (same entry as in primary trunk)

Password: **Password (**same entry as in primary trunk)

Default number: Lead number of connection **(**same entry as in primary trunk)
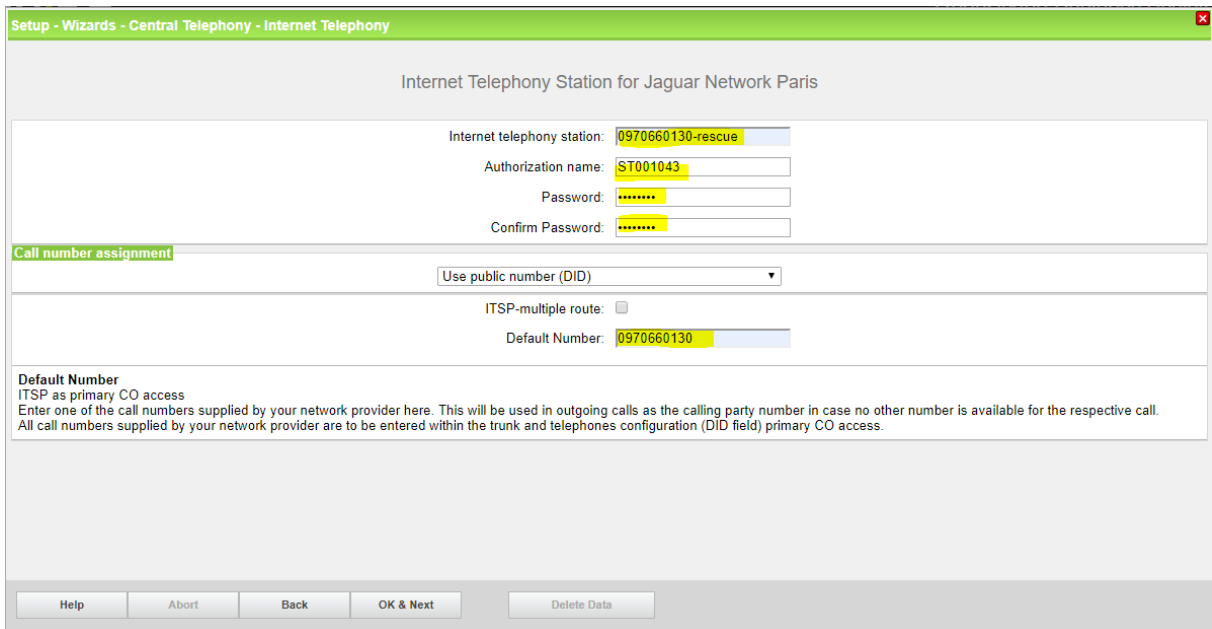
Enter the relevant data and click [OK & Next].
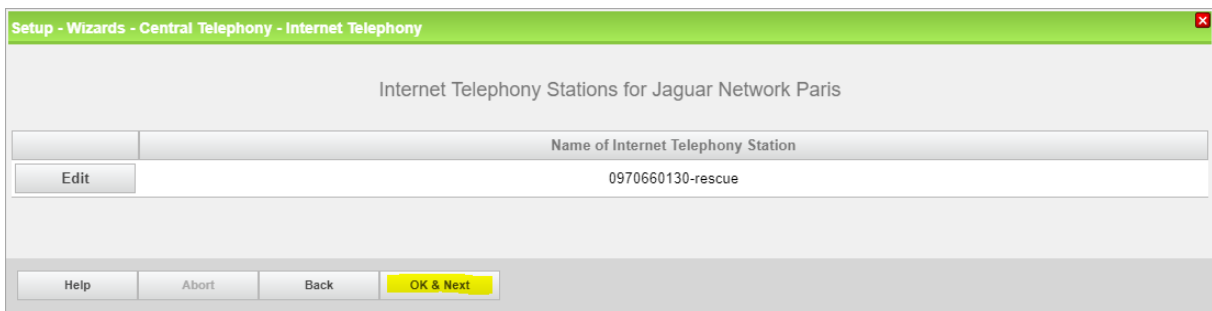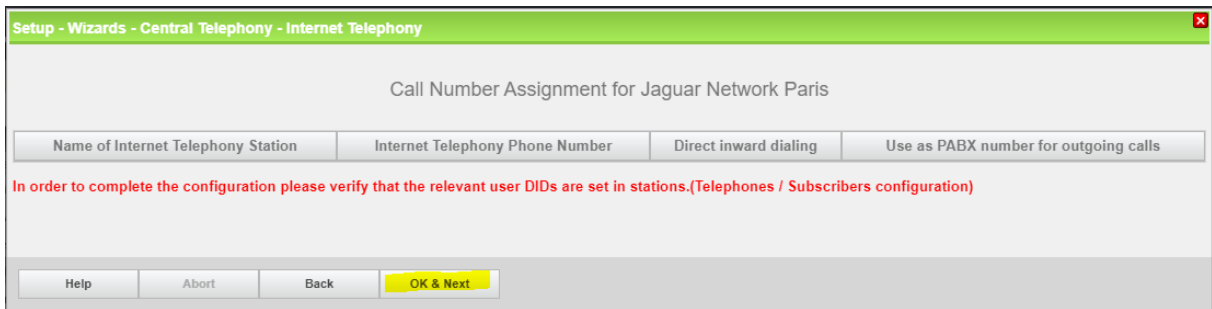
Click [OK & Next]

Click [OK & Next] (no input needed)

The next page displays the different ITSPs again.
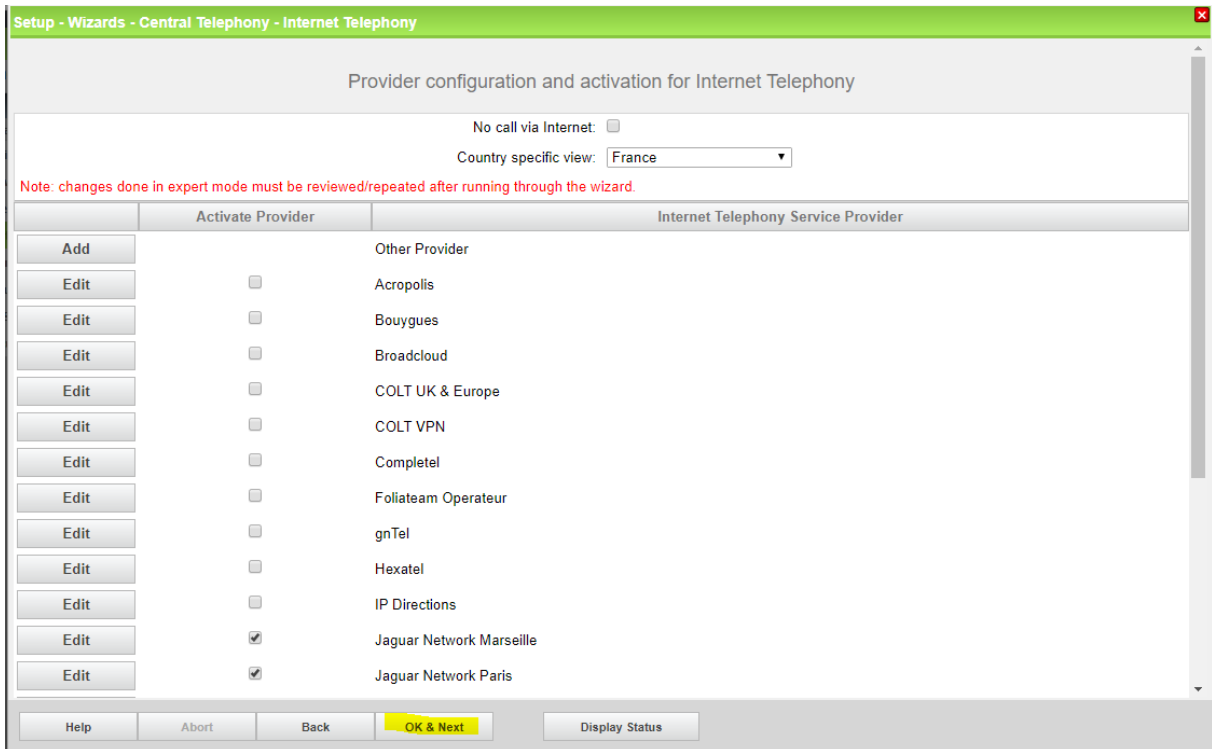
Click [OK & Next]

Define bandwidth (# Trunks)

The amount of simultaneous Internet calls (**Assigned Lines**) must be aligned with the **Number of channels** assigned by Jaguar Network for this particular trunk. The information is provided from the technician at the time of the installation of the service.

Click [OK & Next]

Special phone numbers

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

Please make sure that the numbers are routed to the primary trunk

Click [OK & Next]

On next page status of ITSP is displayed.

Click [Next]

„Exchange Line Seizure": Select the primary trunk with 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.
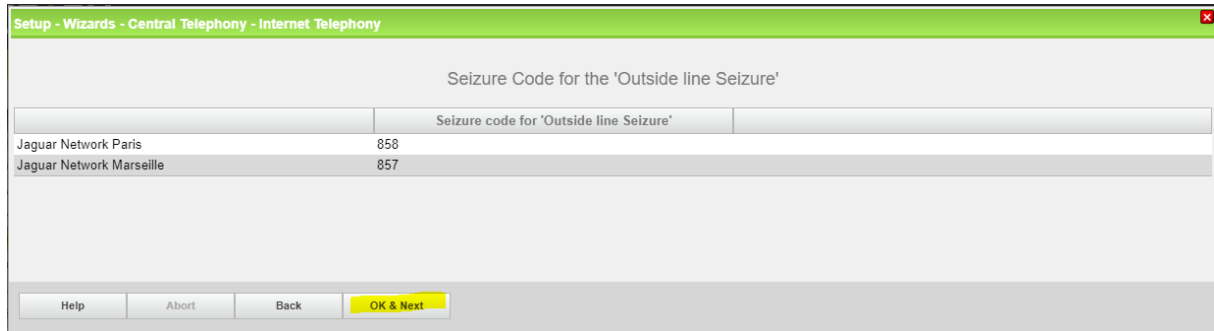
Click [OK & Next] and on the next page [Finish]

DID configuration

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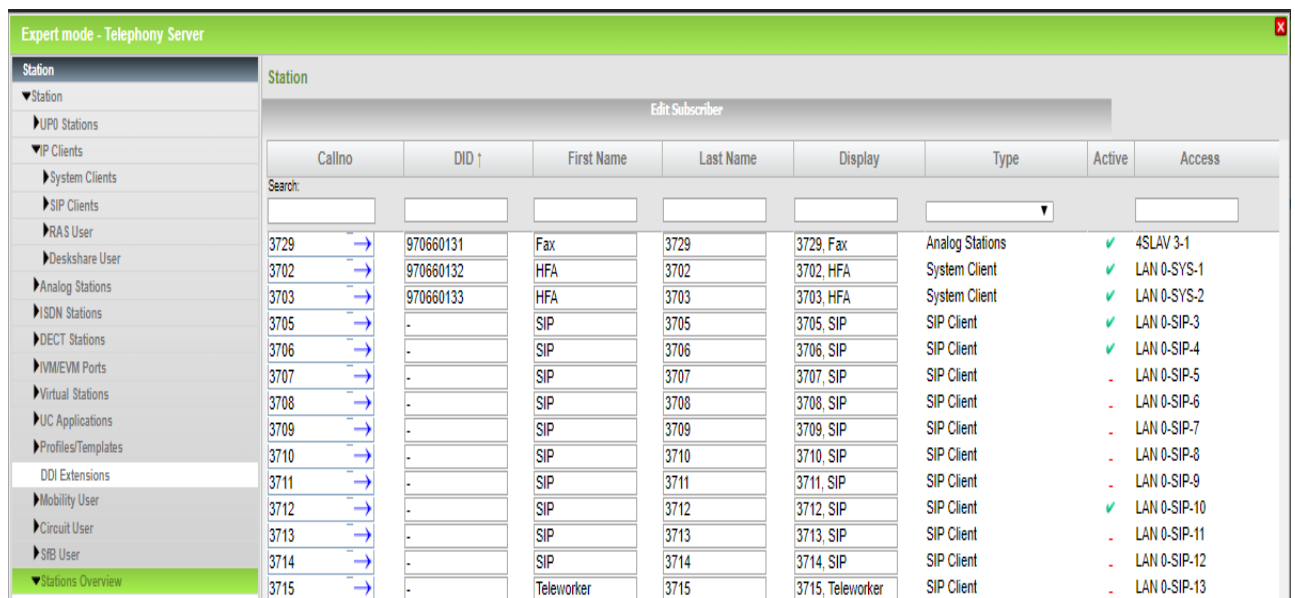
Additional Configuration

License

Add the "S2M/SIP Trunk" license to the SIP-Trunk

Known limitations and restrictions:

Limitation:
In cases where an active call has negotiated a single codec (e.g. G.711 only) Jaguar does not support renegotiating the media parameters to use a different one (e.g. G.729). As a consequence it is not recommended to configure an OpenScpe business endpoint to use G.729 only. G.711 must be configured at least with 2nd priority.

Mandatory configuration in Expert Mode

For the usage of the Jaguar trunk the following configuration is mandatory:

- LCR overflow route configuration
- SIP Parameters
- SIP port configuration
- T.38 must be disabled in system

LCR

For the rescue trunk the routing tables in LCR needs to be configured manually

1. Note all routing tables used in the dial plan entries for the primary route (e.g. 8,9,30,40 in the example)

2. These routing tables must be used in the dial plan entries of the rescue trunk as well:

3. Add the Route of the rescue trunk in the Routing Table and select the same Dial Rule as for the primary trunk. You may choose a warning for the overflow.
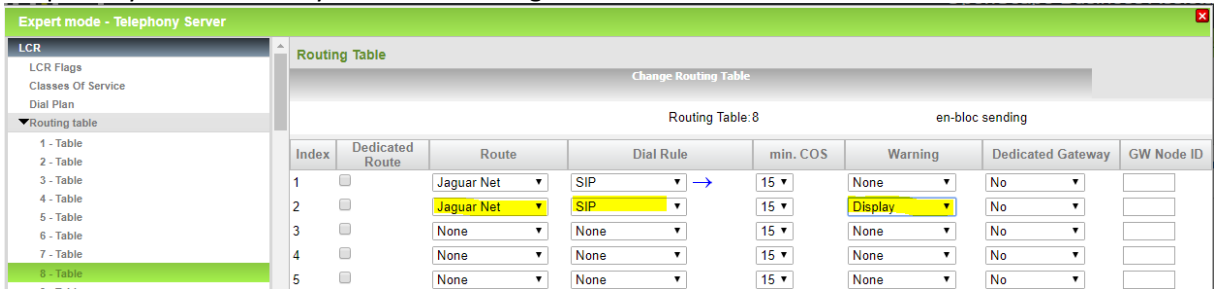

4. Repeat this step for all routing tables used for the Jaguar trunk ((e.g. 8,9,30,40 in the example)
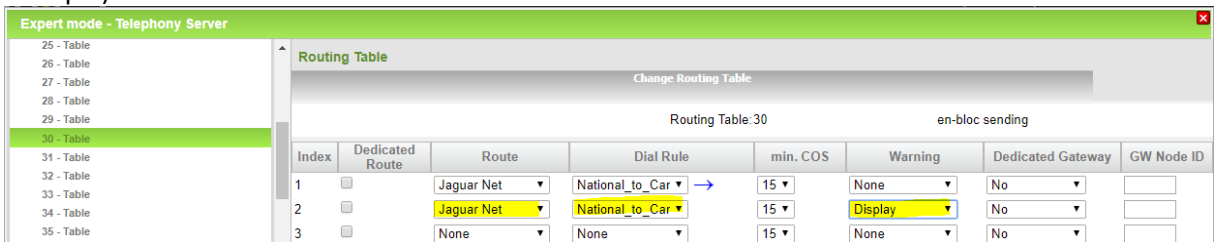
SIP Parameter

If a trunk goes out of service the system needs 32 sec (SIP timeout) to initiate the call to the overflow route. Once a destination is detected as out of service it will not be used for "*Blocking time for unreachable destination*". This timer is set to 60 sec in default and must be increased in a rescue route is available. A value of 1800 (30 min) is recommended.
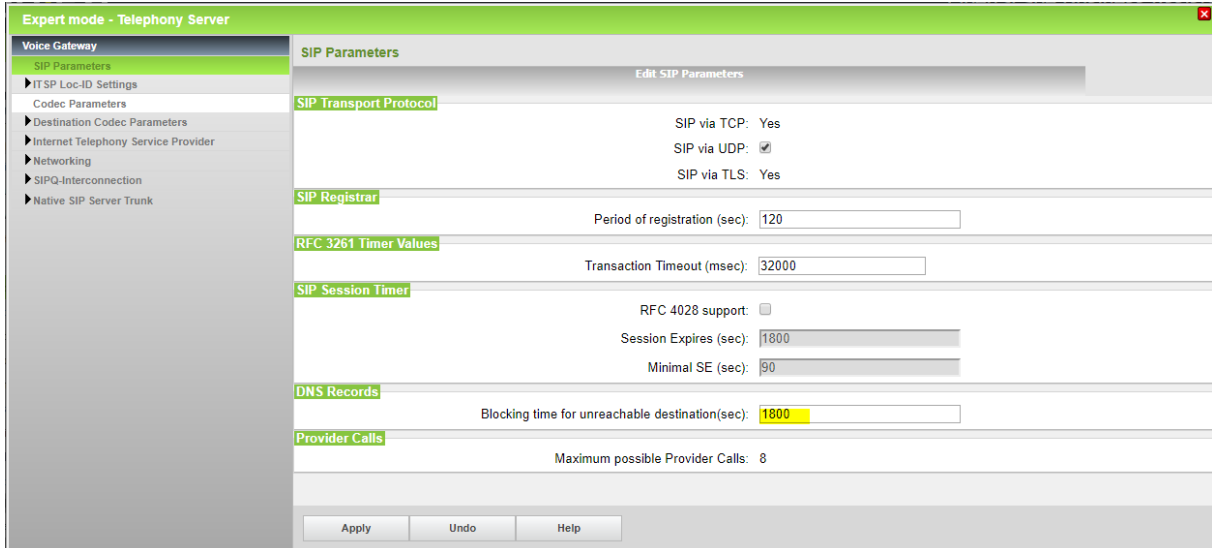
This change needs a system restart.

Port management

Go to Expert Mode → Telephony Server → Port Management

To comply with the requirements of the Jaguar Network the EXT_SIP port **MUST** be configured with 5060 (default is 5070).

The internal SIP port should be set to a different port (e.g. 5070). Having internal and external port with the same value is possible but may lead to significant security risks.

After the ports are changed OSBiz **MUST** be restarted.

Codec Parameters

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

To comply with the requirements of the Jaguar Network the following codec parameter **MUST** be changed:

1. Unsupported G729AB codec must be disabled.

2. T38 fax protocol is not supported by Jaguar Network, fax is supported via G.711 only. For this you MUST disable T38 protocol