Aarenet System and IPPBX settings to connect Yeastar MyPBX U100 IP-PBX through SIP Trunk

Revision History

Autor	Date	Info	Version
F.Remmers	12.09.2017	Initial Version	1.0

Content

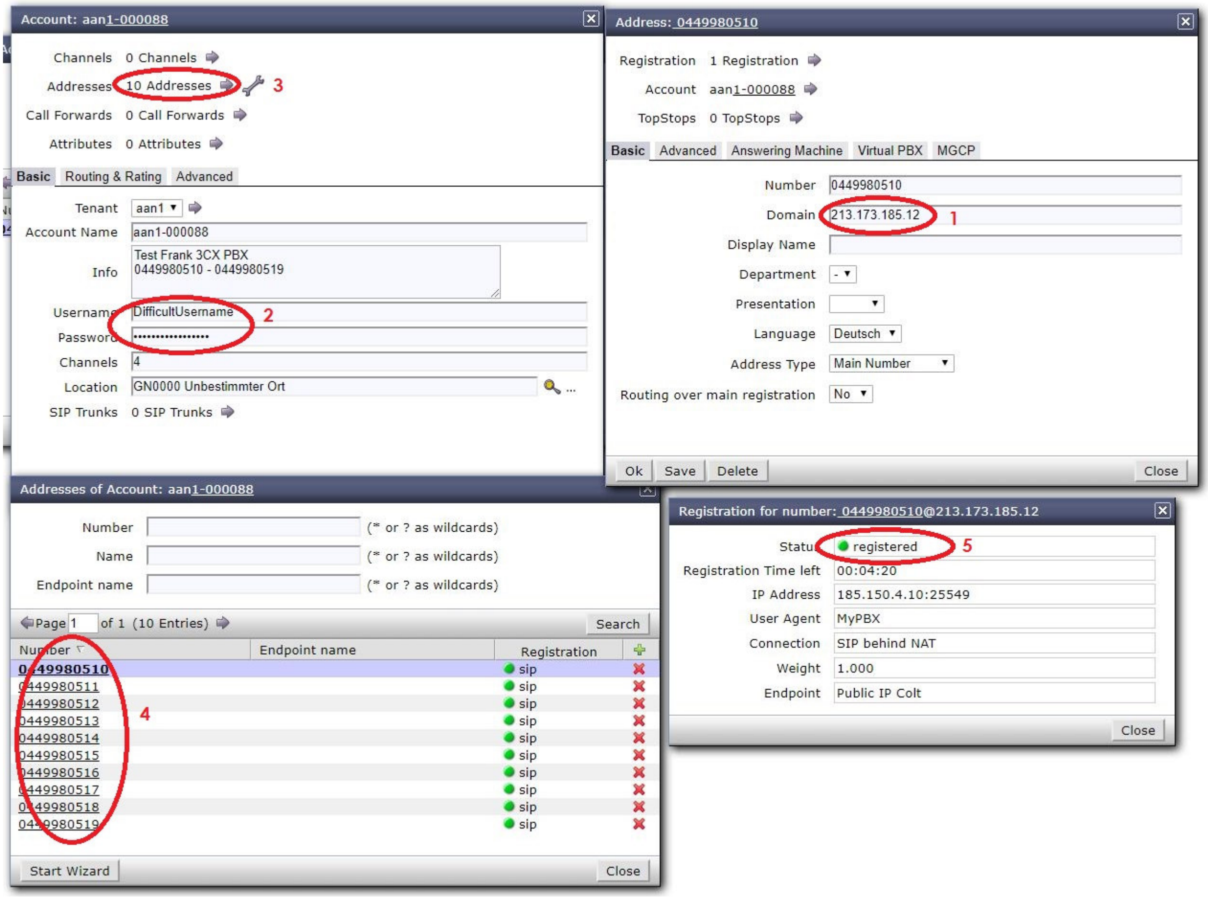
Aarenet advised base settings

Settings can be system specific and/or SIP phone specific. If deviating values are used, connection issues may result. All information informative and without warranty. The settings can be different for different Aarenet systems. Basic setup of a SIP Trunk on the Aarenet system is not part of this document.

Advised system / SIP phone settings:

- Voice Codec G711A
- FAX Codec: G711A
- Hold Methode: direction attribute „sendonly“
- DTMF Methode: RFC 2833
- Session Timer: 1760s
- SIP Registration Expiry: 300s

Aarenet SIP Trunk Config Center Settings



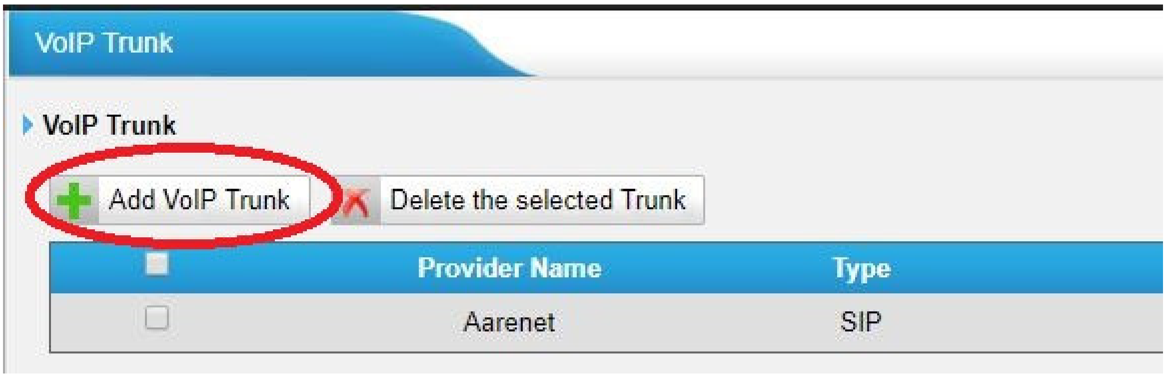
1. IP Adress for SIP registration
2. Username / Password info
3. Info 10 DDI Number
4. List with single DDI
5. Confirmation registration Yeastar MyPBX on SIP Trunk

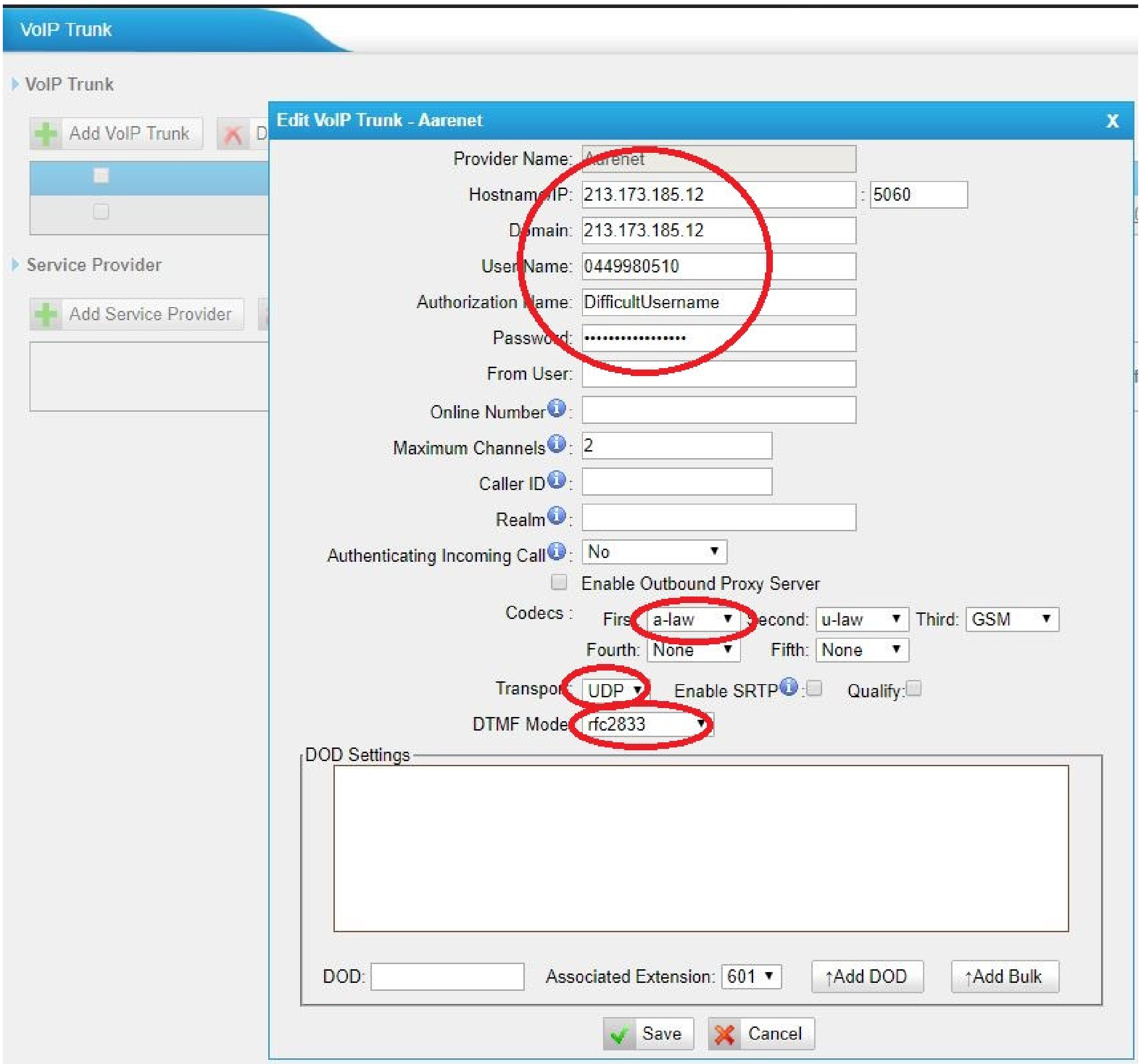
Yeastar MyPBX U100 direct SIP

Setup	MyPBX direct on Aarenet SIP Trunk
Devices in use	Siemens 2010, Yealink T46G
External	079xxx6113, 079xxx4594
Tested	
Incoming calls	OK
Incoming calls with CLIR	OK
Outgoing calls	OK
Internal calls	OK
User Groups	OK
Fax	Not tested
DECT	Not tested
Registration	OK
Session Refresh timer	OK default 300 sec.
DTMF outgoing	OK
Early media to mobile (disconnected)	OK
CF external to internal	OK, using usergroups and «announce»
Call to 161	OK
Call to 0900 55 33 11	OK
3 party conference	OK
Transfer with announcement	OK
Transfer without announcement	OK
Swap calls	OK

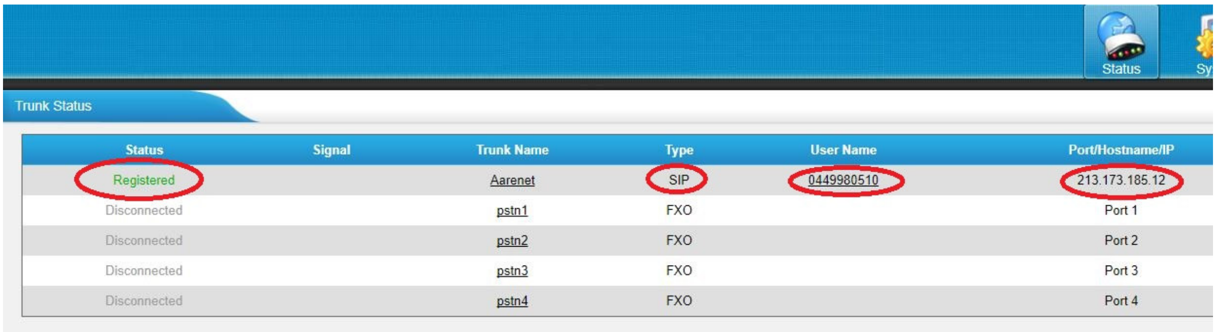
Important: Please make sure that no ALG is activated in the pbx nor in the NAT Router.

Step 1. Add SIP Trunk





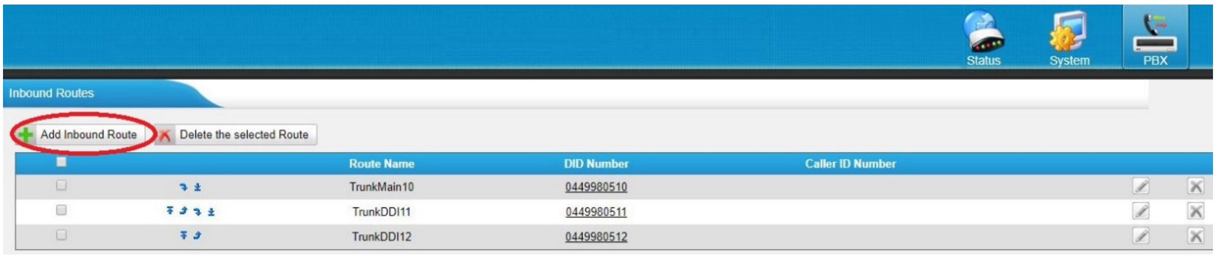
Make sure the credentials from the config center are correct. Select correct codec order, Transport protocol and DTMF mode.



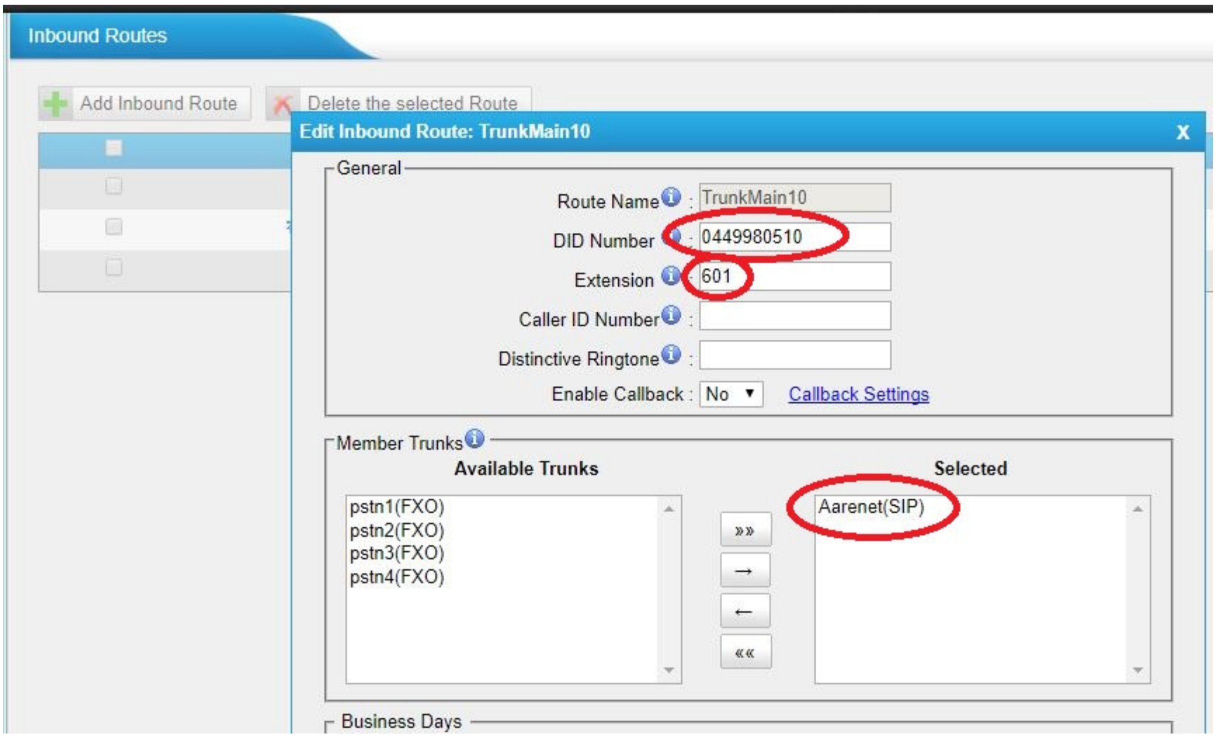
The Status overview shows an active SIP Trunk on the Aarenet system

Step 2. Allocate DDI Nummern to subscriber

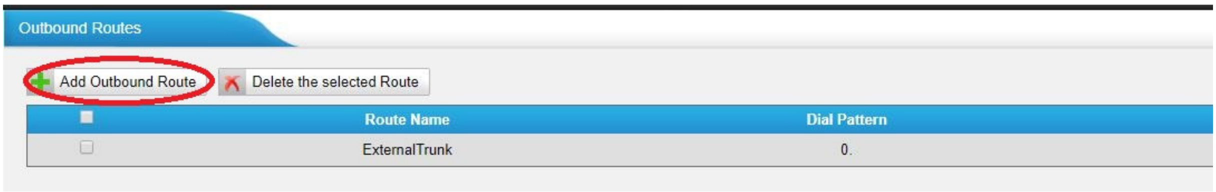
This is done through the programming of inbound routes.

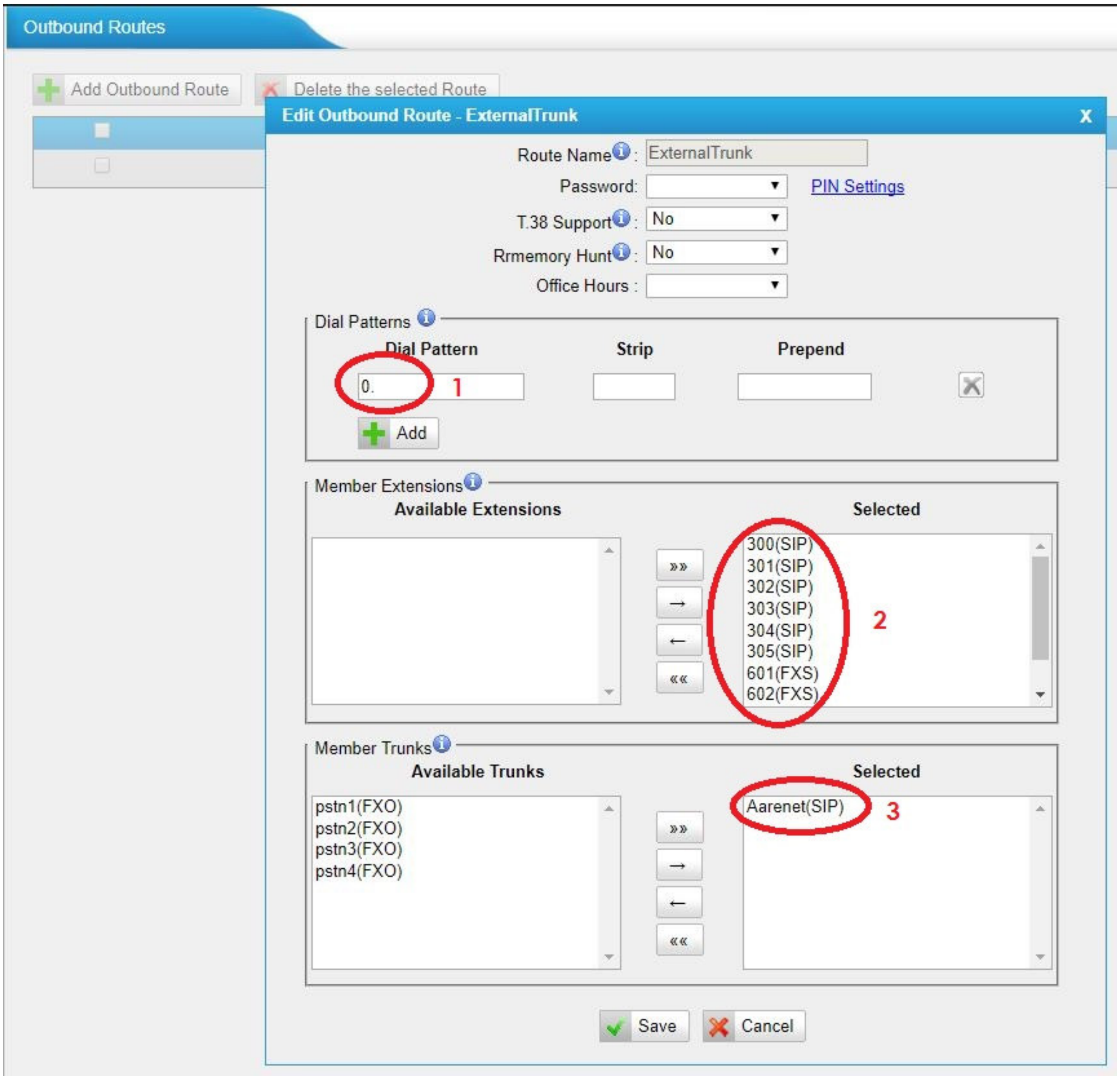


Below Route (TrunkMain10) routes the number 0449980510 from Aarenet SIP trunk to the internal extension 601



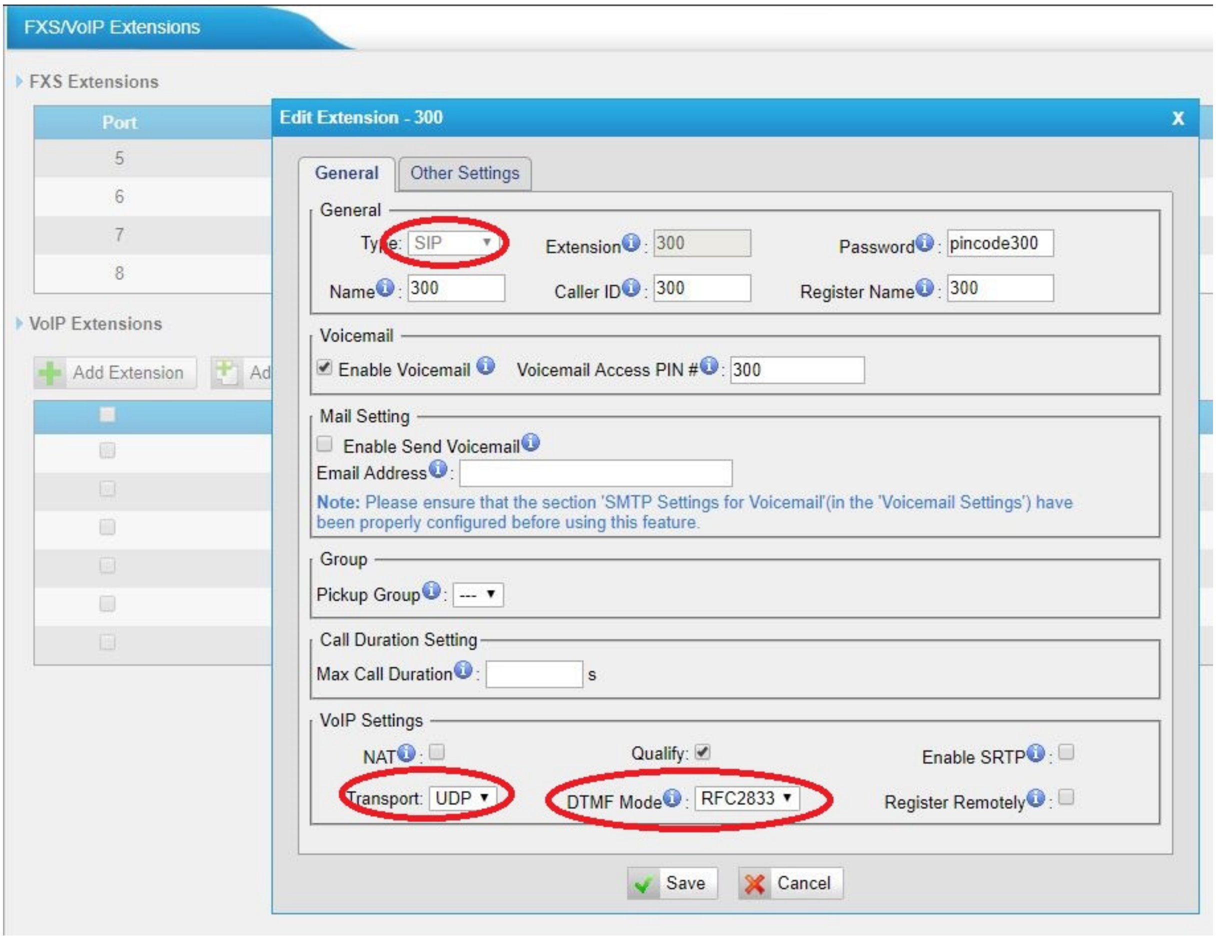
Step 3. Outgoing traffic – allocate trunk /outbound rules





Example: all calls starting with 0, made with one oft he allocated devices are routed through Aarenet(SIP) trunk.

Step 4. Codecs and DTMF on device level



Please make sure that all relevant settings are set on each single device. Settings may deviate per device type and manufacturer.

Step 5. SIP Registration expiry

No information on SIP registration expiry settings found. The basic settings did not affect the performed tests.