



## **Alcatel Lucent Application Partner Program Inter-Working Report**

**Partner: Zenitel**  
**Application type: VoIP DoorPhone**  
**Application name: TCIS-6, TCIS-2 and TCIS-1**  
**Alcatel-Lucent Platform: OmniPCX Enterprise**



The product and version listed have been tested with the Alcatel-Lucent Communication Server and the version specified hereinafter. The tests concern only the inter-working between the Application Partner product and the Alcatel-Lucent Communication platforms. The inter-working report is valid until the Application Partner issues a new version of such product (incorporating new features or functionality), or until Alcatel-Lucent issues a new version of such Alcatel-Lucent product (incorporating new features or functionality), whichever first occurs.

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## Tests Identification

Date of the tests	September 2013
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Alcatel-Lucent Communication Platform	OmniPCX Enterprise
Alcatel-Lucent compatibility release	R10.1.1 - J2.603.20.i R11.0 - K1.400.12.d
Partner's application version	V3.0.3.4
Application Category	Terminals

Author(s): Residori Florian

Reviewer(s): Denis Lienhart

### History:

Edition 1: 01/09/2013: Creation of document

## Test results

Passed

Refused

Postponed

Passed with restrictions

Refer to the section 6 for a summary of the test results.

## IWR validity extension

None

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# 1 Introduction

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This document is the result of the certification tests performed between the AAPP member's application and Alcatel-Lucent's platform.

It certifies proper inter-working with the AAPP member's application.

Information contained in this document is believed to be accurate and reliable at the time of printing. However, due to ongoing product improvements and revisions, Alcatel-Lucent cannot guarantee accuracy of printed material after the date of certification nor can it accept responsibility for errors or omissions. Updates to this document can be viewed on:

- the Technical Support page of the Enterprise Business Portal (<https://businessportal.alcatel-lucent.com>) in the Application Partner Interworking Reports corner (restricted to Business Partners)
- the Application Partner portal (<https://applicationpartner.alcatel-lucent.com>) with free access.

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## 2 Validity of the InterWorking Report

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This InterWorking report specifies the products and releases which have been certified.

This inter-working report is valid unless specified until the AAPP member issues a new major release of such product (incorporating new features or functionalities), or until Alcatel-Lucent issues a new major release of such Alcatel-Lucent product (incorporating new features or functionalities), whichever first occurs.

A new release is identified as following:

- a “Major Release” is any x. enumerated release. Example Product 1.0 is a major product release.
- a “Minor Release” is any x.y enumerated release. Example Product 1.1 is a minor product release

The validity of the InterWorking report can be extended to upper major releases, if for example the interface didn't evolve, or to other products of the same family range. Please refer to the “IWR validity extension” chapter at the beginning of the report.

*Note: The InterWorking report becomes automatically obsolete when the mentioned product releases are end of life.*

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## 3 Limits of the Technical support

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Technical support will be provided only in case of a valid InterWorking Report (see chapter 0 “Validity of the InterWorking Report”) and in the scope of the features which have been certified. That scope is defined by the InterWorking report via the tests cases which have been performed, the conditions and the perimeter of the testing as well as the observed limitations. All this being documented in the IWR. The certification does not verify the functional achievement of the AAPP member’s application as well as it does not cover load capacity checks, race conditions and generally speaking any real customer’s site conditions.

Any possible issue will require first to be addressed and analyzed by the AAPP member before being escalated to Alcatel-Lucent.

For any request outside the scope of this IWR, Alcatel-Lucent offers the “On Demand Diagnostic” service where assistance will be provided against payment.

For more details, please refer to Appendix F “AAPP Escalation Process”.

### 3.1 Case of additional Third party applications

In case at a customer site an additional third party application NOT provided by Alcatel-Lucent is included in the solution between the certified Alcatel-Lucent and AAPP member products such as a Session Border Controller or a firewall for example, Alcatel-Lucent will consider that situation as to that where no IWR exists. Alcatel-Lucent will handle this situation accordingly (for more details, please refer to Appendix F “AAPP Escalation Process”).

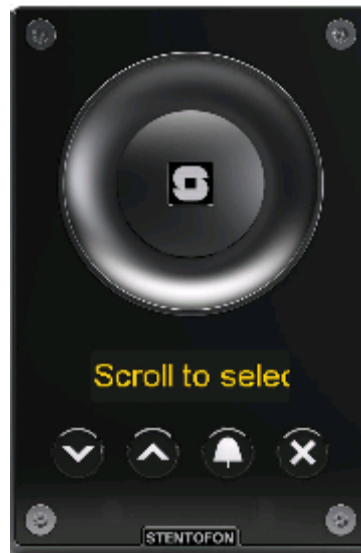
## 4 Application information

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<b>Application type:</b>	Door Phone
<b>Application commercial name:</b>	TCIS-6 ,TCIS-2 and TCIS-1
<b>Application version:</b>	V3.0.3.4
<b>Interface type:</b>	SIP / Ethernet
<b>Interface version (if relevant):</b>	
<b>Brief application description:</b>	

All IP stations in the STENTOFON Turbine series utilize the latest technology to create unparalleled audio quality. Some of the many features include: HD voice quality, Open Duplex, Active Noise Cancellation, MEMS microphone, a 10W Class D amplifier and our unique speaker grille design. These features, in conjunction with STENTOFON's 65+ years of experience with acoustic technology are only a few of the many factors that contribute to our superior audio quality.

### TCIS – 6





TCIS - 2

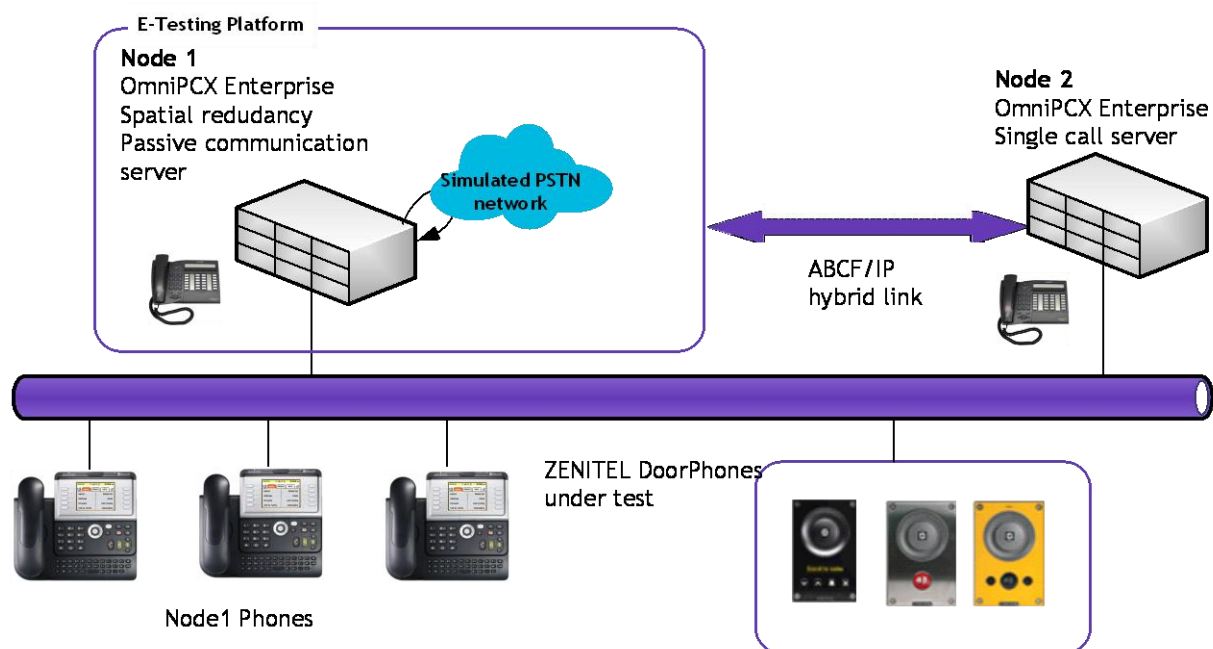


TCIS - 1



## 5 Tests environment

Figure 1 Tests Environment



## 5.1 Hardware configuration

- **OmniPCX Enterprise:**
  - CS (Call Server Processing Unit)
  - GD (Gateway driver processing Unit)
  - PRA T2 (ISDN Access)
  - MIX 2/4/4 (ISDN T0, digital & analog interfaces)
  - IPTouch, UA and Analog sets

## 5.2 Software configuration

**Alcatel-Lucent Communication Platform:** OmniPCX Enterprise R10.1.1 (J2.603.20.i), R11.0 (K1.400.12.d)

- **Partner Application:** V3.0.3.4

## 5.3 Video Testing

These DoorPhones doesn't have camera and hence video calls are not applicable.

## 6 Summary of test results

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### 6.1 Summary of main functions supported

Features	Status	Comments
Initialization including network configuration (static)	OK	
SIP registration	OK	
SIP authentication	OK	
Outgoing Call	OK	
Incoming Call	OK	
Trigger the relay during Outgoing call (DTMF code = 01)	OK	
Trigger the relay during Incoming call (DTMF code = 02)	OK	
Features During Conversation	OK	
Disconnect call after phone hang up	OK	
Transparent Video with SIP device	NA	

## 6.2 Summary of problems

NIL

## 6.3 Summary of limitations

- Spatial redundancy with alternate proxy is not fully supported. Zenitel tries to use the first proxy even after the switchover. No calls are possible until a new registration. The doorphone should be deployed with spatial redundancy with DNS method.
- There is no led for the door status in TCIS-2 model.
- There is no timeout for disconnection in all the models. If we call the DoorPhone and it is not responding, Zenitel doorphone stays ringing. The calling user needs to end the call.

## 6.4 Notes, remarks

- These DoorPhones doesn't have camera and hence video calls are not applicable.
- RFC2833 is used for DTMF signaling.

### **Environment setup for Generic Test:**

- The phone is configured as SIP Device
- It is configured as Administrator + Normal

## 7 Test Result Template

The results are presented as indicated in the example below:

Test Case Id	Test Case	N/A	OK	NOK	Comment
1	<b>Test case 1</b> <ul style="list-style-type: none"> <li>Action</li> <li>Expected result</li> </ul>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2	<b>Test case 2</b> <ul style="list-style-type: none"> <li>Action</li> <li>Expected result</li> </ul>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The application waits for PBX timer or phone set hangs up
3	<b>Test case 3</b> <ul style="list-style-type: none"> <li>Action</li> <li>Expected result</li> </ul>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Relevant only if the CTI interface is a direct CSTA link
4	<b>Test case 4</b> <ul style="list-style-type: none"> <li>Action</li> <li>Expected result</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No indication, no error message
...	...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Test Case Id:** a feature testing may comprise multiple steps depending on its complexity. Each step has to be completed successfully in order to conform to the test.

**Test Case:** describes the test case with the detail of the main steps to be executed the and the expected result

**N/A:** when checked, means the test case is not applicable in the scope of the application

**OK:** when checked, means the test case performs as expected

**NOK:** when checked, means the test case has failed. In that case, describe in the field "Comment" the reason for the failure and the reference number of the issue either on Alcatel-Lucent side or on Application Partner side

**Comment:** to be filled in with any relevant comment. Mandatory in case a test has failed especially the reference number of the issue.

## 8 Test Results

### 8.1 Connectivity and Setup

These tests shall verify that the different components are properly connected and can communicate together (the external application and the Alcatel-Lucent Communication Platform is connected and the interface link is operational).

Test Case Id	Test Case	N/A	OK	NOK	Comment
1	Door Phone IP configuration in DHCP mode	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2	Door Phone IP configuration in Static mode	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3	<p><b>SIP registration</b></p> <p>Configure DoorPhone with following parameters :</p> <ul style="list-style-type: none"> <li>- Local IP address and mask</li> <li>- OXE IP address and port 5060</li> <li>- Extension Number and SIP password</li> </ul> <p>Deactivate SIP authentication on OXE</p> <p>Check the registration on the DoorPhone and on the wireshark Traces</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4	SIP re-registration after timer expiry	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5	<p><b>SIP registration</b></p> <p>Configure DoorPhone with following parameters :</p> <ul style="list-style-type: none"> <li>- Local IP address and mask</li> <li>- OXE IP address and port 5060</li> <li>- Extension number and SIP password</li> </ul> <p>Activate SIP authentication on OXE</p> <p>Check the registration on the DoorPhone and on the wireshark traces.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6	<p><b>SIP set registration to OXE using a DNS or alternate proxy</b></p> <p>The phone is configured to use a domain name as registrar / proxy server address. The DNS IP addresses are the OXE CPU address.</p> <p>In case of alternate proxy possibilities, the main and alternate proxy addresses are the OXE CPU address.</p> <p>Tests are performed when first Call Server is active and then when second Call Server is active</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

## 8.2 Duplication and Robustness

### 8.2.1 Test results

Check how the system will react in case of a CPU reboot, switchover or link failure etc.  
 The test system is configured with spatial redundancy (duplicate call servers on two different IP subnetworks).

Spatial redundancy can be configured in two ways:

- “Alternate Proxy method”: Specify both CS MAIN addresses as primary and alternative proxy respectively. Requires that on non availability of primary proxy, secondary proxy is used. Requires ability to accept incoming calls from secondary proxy.
- “DNS method”: Do not specify a proxy address, only SIP domain. Specify the CS MAIN address as first and second DNS server, respectively. Requires that (at least on non availability of current proxy) a new DNS request is issued for every message. Only MAIN CS will respond. Requires ability to accept incoming calls from secondary CS when it becomes new MAIN.

For each configuration, check:

Can new outgoing calls be made immediately after switchover?

Are existing calls maintained after switchover?

Are incoming calls (from new MAIN CS) accepted immediately after switchover?

Can existing call be modified (transfer, hang-up, etc.) after switchover?

Check if a session that has been started before switchover is maintained after switchover, i.e. does the new MAIN CS send session updates and is this accepted by the client?

Test Case Id	Test Case	N/A	OK	NOK	Comments
1	Spatial redundancy with alternate proxy method				
A	<p><b>Spatial redundancy, using “Alternate Proxy method”, two SIP sets in conversation</b>                      Configure Zenitel doorphone to use two SIP proxies (OXE call server a and OXE call server b IP addresses).</p> <p>With Zenitel call another OXE user (IPTouch for example). Answer the call and check audio and display.</p> <p>Switchover to standby call server using OXE “bascul” command (check first the database replication using OXE “twin” command). Check that the existing call is maintained.</p> <p>Wait for a “session timer” expiration (this timer is negotiated between the INVITE and the OK message). Check that the call is maintained after this timer expiration.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	



Test Case Id	Test Case	N/A	OK	NOK	Comments
B	<p><b>Spatial redundancy, using “Alternate Proxy method”, one SIP set in conversation with a external party</b> Configure Zenitel doorphone to use two SIP proxies (OXE call server a and OXE call server b IP addresses).</p> <p>Zenitel doorphone calls a PSTN user. Answer the call and check audio and display. Switchover to standby call server using OXE “bascul” command (check first the database replication using OXE “twin” command). Check that the call is maintained.</p> <p>Wait for a “session timer” expiration (this timer is negotiated between the INVITE and the OK message). Check that the call is maintained after this timer expiration.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C	<p><b>Spatial redundancy, using “Alternate Proxy method”, call after the switchover</b> Configure Zenitel doorphone to use two SIP proxies (OXE call server a and OXE call server b IP addresses).</p> <p>Switchover to standby call server using OXE “bascul” command (check first the database replication using OXE “twin” command).</p> <p>Just after the switchover, with Zenitel doorphone call another OXE user (IPTouch for example). Answer the call and check audio and display.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Zenitel tries to use the first proxy. No calls are possible until a new registration.
D	<p><b>Spatial redundancy, using “Alternate Proxy method”, call after the switchover and a registration timeout</b> Configure Zenitel doorphone to use two SIP proxies (OXE call server a and OXE call server b IP addresses).</p> <p>Switchover to standby call server using OXE “bascul” command (check first the database replication using OXE “twin” command).</p> <p>Wait for a Registration period timeout. After this period, with Zenitel doorphone call another OXE user (IPTouch for example). Answer the call and check audio and display.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2	Spatial redundancy with alternate DNS method				

Test Case Id	Test Case	N/A	OK	NOK	Comments
A	<p><b>Spatial redundancy, using “DNS method” and OXE used as DNS server, two SIP sets in conversation</b>            Configure Zenitel doorphone to use to use one SIP proxies (OXE call server node name). Configure Zenitel doorphone to use two DNS servers (OXE call server a and OXE call server b IP addresses).</p> <p>With Zenitel call another OXE user (IPTouch for example). Answer the call and check audio and display.</p> <p>Switchover to standby call server using OXE “bascul” command (check first the database replication using OXE “twin” command). Check that the existing call is maintained.</p> <p>Wait for a “session timer” expiration (this timer is negotiated between the INVITE and the OK message). Check that the call is maintained after this timer expiration.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NTP server should be configured with an IP address.
B	<p><b>Spatial redundancy, using “DNS method” and OXE used as DNS server, one SIP set in conversation with a external party</b>            Configure Zenitel doorphone to use to use one SIP proxies (OXE call server node name). Configure Zenitel doorphone to use two DNS servers (OXE call server a and OXE call server b IP addresses).</p> <p>Zenitel doorphone calls a PSTN user. Answer the call and check audio and display. Switchover to standby call server using OXE “bascul” command (check first the database replication using OXE “twin” command). Check that the call is maintained.</p> <p>Wait for a “session timer” expiration (this timer is negotiated between the INVITE and the OK message). Check that the call is maintained after this timer expiration.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NTP server should be configured with an IP address.
C	<p><b>Spatial redundancy, using “DNS method” and OXE used as DNS server, call after the switchover</b>            Configure Zenitel doorphone to use to use one SIP proxies (OXE call server node name). Configure Zenitel doorphone to use two DNS servers (OXE call server a and OXE call server b IP addresses).</p> <p>Switchover to standby call server using OXE “bascul” command (check first the database replication using OXE “twin” command).</p> <p>Just after the switchover, with Zenitel doorphone call another OXE user (IPTouch for example). Answer the call and check audio and display.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NTP server should be configured with an IP address.

Test Case Id	Test Case	N/A	OK	NOK	Comments
D	<p><b>Spatial redundancy, using “DNS method” and OXE used as DNS server, call after the switchover and a registration timeout</b>            Configure Zenitel doorphone to use to use one SIP proxies (OXE call server node name). Configure Zenitel doorphone to use two DNS servers (OXE call server a and OXE call server b IP addresses).</p> <p>Switchover to standby call server using OXE “bascul” command (check first the database replication using OXE “twin” command).</p> <p>Wait for a Registration period timeout. After this period, with Zenitel doorphone call another OXE user (IPTouch for example). Answer the call and check audio and display.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NTP server should be configured with an IP address.
E	<p><b>Spatial redundancy, using “DNS method” with a delegation DNS server, two SIP sets in conversation</b>            Configure Zenitel doorphone to use to use one SIP proxies (OXE call server node name). Configure Zenitel doorphone to use to use one DNS server (An external DNS server delegates the DNS request to OXE call server a and OXE call server b).</p> <p>With Zenitel call another OXE user (IPTouch for example). Answer the call and check audio and display.</p> <p>Switchover to standby call server using OXE “bascul” command (check first the database replication using OXE “twin” command). Check that the existing call is maintained.</p> <p>Wait for a “session timer” expiration (this timer is negotiated between the INVITE and the OK message). Check that the call is maintained after this timer expiration.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
F	<p><b>Spatial redundancy, using “DNS method” with a delegation DNS server, one SIP set in conversation with a external party</b>            Configure Zenitel doorphone to use to use one SIP proxies (OXE call server node name). Configure Zenitel doorphone to use to use one DNS server (An external DNS server delegates the DNS request to OXE call server a and OXE call server b).</p> <p>Zenitel doorphone calls a PSTN user. Answer the call and check audio and display. Switchover to standby call server using OXE “bascul” command (check first the database replication using OXE “twin” command). Check that the call is maintained.</p> <p>Wait for a “session timer” expiration (this timer is negotiated between the INVITE and the OK message). Check that the call is maintained after this timer expiration.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Test Case Id	Test Case	N/A	OK	NOK	Comments
G	<p><b>Spatial redundancy, using “DNS method” with a delegation DNS server, call after the switchover</b>            Configure Zenitel doorphone to use to use one SIP proxies (OXE call server node name). Configure Zenitel doorphone to use to use one DNS server (An external DNS server delegates the DNS request to OXE call server a and OXE call server b).</p> <p>Switchover to standby call server using OXE “bascul” command (check first the database replication using OXE “twin” command).</p> <p>Just after the switchover, with Zenitel doorphone call another OXE user (IPTouch for example). Answer the call and check audio and display.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H	<p><b>Spatial redundancy, using “DNS method” with a delegation DNS server, call after the switchover and a registration timeout</b>            Configure Zenitel doorphone to use to use one SIP proxies (OXE call server node name). Configure Zenitel doorphone to use to use one DNS server (An external DNS server delegates the DNS request to OXE call server a and OXE call server b).</p> <p>Switchover to standby call server using OXE “bascul” command (check first the database replication using OXE “twin” command).</p> <p>Wait for a Registration period timeout. After this period, with Zenitel doorphone call another OXE user (IPTouch for example). Answer the call and check audio and display.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3	Switchover to PCS				
A	<p><b>Passive call server backup, using “Alternate Proxy method”, two SIP sets in conversation</b>            Configure Zenitel doorphone to use two SIP proxies (OXE call server a and OXE call server PCS IP addresses). Zenitel doorphone is part of IP domain with a PCS backup.</p> <p>With Zenitel doorphone call another OXE user (IPTouch for example). Answer the call and check audio and display.</p> <p>Stop OXE call server a and call server b. Check that the existing call is maintained.</p> <p>Wait for a “session timer” expiration (this timer is negotiated between the INVITE and the OK message). Check that the call is maintained after this timer expiration.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Test Case Id	Test Case	N/A	OK	NOK	Comments
B	<p><b>Passive call server backup, using “Alternate Proxy method”, one SIP set in conversation with a external party</b>            Configure Zenitel doorphone to use two SIP proxies (OXE call server a and OXE call server PCS IP addresses). Zenitel doorphone is part of IP domain with a PCS backup.</p> <p>Zenitel doorphone call a PSTN user.            Answer the call and check audio and display.            Stop OXE call server a and call server b. Check that the call is maintained.</p> <p>Wait for a “session timer” expiration (this timer is negotiated between the INVITE and the OK message).            Check that the call is maintained after this timer expiration.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C	<p><b>Passive call server backup, using “Alternate Proxy method”, call after the switchover</b>            Configure Zenitel doorphone to use two SIP proxies (OXE call server a and OXE call server PCS IP addresses). Zenitel doorphone is part of IP domain with a PCS backup.</p> <p>Stop OXE call server a and call server b.</p> <p>Just after the switchover, with Zenitel doorphone call another OXE user (IPTouch for example). Answer the call and check audio and display.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Zenitel tries to use the first proxy. No calls are possible until a new registration.
4	Partner SIP endpoint reboot				
A	<p><b>Partner SIP set reboot</b>            Reboot Zenitel doorphone. When Zenitel doorphone comes back in service, call another OXE user (IPTouch for example).</p> <p>Check that Zenitel doorphone is registered and the call establishment.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5	Network failure				
A	<p><b>Temporary Link between OXE and the partner SIP set</b>            Disconnect the link between Zenitel doorphone and OXE. Check that SIPset-1 becomes out of service after a keep-alive or a registration period.</p> <p>When Zenitel doorphone comes back in service, call Zenitel doorphone.            Reconnect the link between Zenitel doorphone and OXE. Check that Zenitel doorphone becomes in service registration period.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

### 8.2.2 Recommendation

Zenitel doorphone supports spatial redundancy via “DNS method” and delegation dns server and supports PCS. The next tests will be done with the OXE domain name configured as SIP proxy/registrar.

### 8.3 Calls from DoorPhone

These tests check that the phones can interact with the DoorPhone.

Test Case Id	Test Case	N/A	OK	NOK	Comment
1	Call from DoorPhone to IP Touch  Configure the system law to A-law Check that the call is established in G711 A-law Check audio quality and hold option  Release the call from IP Touch	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2	Call from DoorPhone to UA Phone  Configure the system law to A-law Check that the call is established in G711 A-law Check audio quality and hold option  Release the call from UA Phone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3	Call from DoorPhone to SIP device  Configure the system law to A-law Check that the call is established in G711 A-law Check audio quality and hold option  Release the call from SIP device	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4	Call from DoorPhone to IP Touch  Configure the system law to $\mu$ -law Check that the call is established in G711 $\mu$ -law Check audio quality and hold option  Release the call from IP Touch	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5	Call from DoorPhone to UA Phone  Configure the system law to $\mu$ -law Check that the call is established in G711 $\mu$ -law Check audio quality and hold option  Release the call from UA Phone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6	Call from DoorPhone to SIP device  Configure the system law to $\mu$ -law Check that the call is established in G711 $\mu$ -law Check audio quality and hold option  Release the call from SIP device	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7	Call from DoorPhone to IP Touch  Wait for the DoorPhone timer to release the call	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Timer can be configured in the GUI of the Doorphone and the call is released properly after the specified time.
8	Call from DoorPhone to UA Phone  Wait for the DoorPhone timer to release the call	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9	Call from DoorPhone to SIP device  Wait for the DoorPhone timer to release the call	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

<p>10</p>	<p>Call from DoorPhone to IP Touch Open the latch by DTMF (Call is released)</p>	<p><input type="checkbox"/></p>	<p><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p>	<p>We checked the circuit continuity with the help of Multimeter.</p> <p>The door latch LED is present only in two models TCIS-6 &amp; TCIS-1 and not in TCIS-2.</p> <p>When we press the dtmf for opening the door the LED glows and if we press the dtmf for closing then the LED stops.</p>
<p>11</p>	<p>Call from DoorPhone to UA Open the latch by DTMF(Call is released)</p>	<p><input type="checkbox"/></p>	<p><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p>	
<p>12</p>	<p>Call from DoorPhone to SIP device Open the latch by DTMF(Call is released)</p>	<p><input type="checkbox"/></p>	<p><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p>	

## 8.4 Calls to DoorPhone

These tests check that the phones can interact with the DoorPhone.

Test Case Id	Test Case	N/A	OK	NOK	Comment
1	Call to DoorPhone from IP Touch Check audio quality Release the call from IP Touch	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2	Call to DoorPhone from UA Phone Check audio quality Release the call from UA Phone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3	Call to DoorPhone from SIP device Check audio quality Release the call from SIP device	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4	Call to DoorPhone from IP Touch Wait for the DoorPhone timer to release the call	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5	Call to DoorPhone from UA Phone Wait for the DoorPhone timer to release the call	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6	Call to DoorPhone from SIP device Wait for the DoorPhone timer to release the call	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7	Call to DoorPhone from IP Touch Open the latch by DTMF (Call is released)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	When we press the dtmf for opening the door the LED glows and if we press the dtmf for closing then the LED stops.
8	Call to DoorPhone from UA Phone Open the latch by DTMF(Call is released)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9	Call to DoorPhone from SIP device Open the latch by DTMF(Call is released)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
10	Call to DoorPhone from IP Touch Check that the call can be continued after pressing digit from IPTouch	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11	Call to DoorPhone from UA Phone Check that the call can be continued after pressing digit from UA Phone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12	Call to DoorPhone from SIP device Check that the call can be continued after pressing digit from SIP device	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13	Call to DoorPhone from IP Touch Check that the mode (day/night mode) of the DoorPhone can be changed from IP Touch.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
14	Call to DoorPhone from UA Phone Check that the mode (day/night mode) of the DoorPhone can be changed from UA Phone	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



15	<p>Call to DoorPhone from SIP device</p> <p>Check that the mode (day/night mode) of the DoorPhone can be changed from SIP device</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
16	<p>Call to DoorPhone from SIP device</p> <p>Configure the DoorPhone to answer the incoming INVITE with a 180 RINGING.</p> <p>Check ring back tone on the SIP device.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
17	<p>Call to DoorPhone from SIP device</p> <p>Configure the DoorPhone to answer the incoming INVITE with a 183 SESSION PROGRESS.</p> <p>Check ring back tone on the SIP device.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
18	<p>Call from external number(T0/T2) to DoorPhone</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
19	<p>Call from attendant to DoorPhone</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
20	<p>Incoming external call (T0/T2 for example) to an attendant phone set which transfers the call to the Door Phone.</p> <p>Call is properly established.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

## 8.5 In conversation scenarios

Test Case Id	Test Case	N/A	OK	NOK	Comment
1	Call from DoorPhone to UA Phone after the call is attended press the DTMF prefix and On the DoorPhone press the same call button (it releases the first call, and the second one gets busy)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2	Call from DoorPhone to busy UA Phone Check that the call is released (gets busy)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3	Call from DoorPhone to IP Touch Put on hold Take back the call and check the audio Open the Latch Release the call	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4	Call from DoorPhone to UA Phone Put on hold Take back the call and check the audio Open the Latch Release the call	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5	Call from DoorPhone to SIP device Put on hold Take back the call and check the audio Open the Latch Release the call	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6	Call from DoorPhone to IP Touch From IPTouch call UA Phone (answer) and press transfer button in IP Touch Check the audio Open the Latch Release the call	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7	Make call forwarding from SIP device to other extension. Call from DoorPhone to SIP device. Check the audio Open the Latch Release the call	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8	OXE Call Server CPU switches over while SIP phone in idle.  Check the SIP phone behavior after a switch from the OXE main to standby CPU. The phone must be able to make and receive a call after the switch over.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9	OXE Call Server CPU switch over while SIP phone in conversation with an IPTouch.  Check the SIP phone behavior after a switch from the OXE main to standby CPU. The call is still active. The phone can make and receive a second call and switch from one to another. After on hook, the phone must be able to make and receive a call after the switch over.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	DoorPhone is getting registered to the main OXE with the managed registration timer and calls can be made.

<p><b>10</b></p>	<p>OXE Call Server reboot while SIP phone in idle.</p> <p>Check the phone behavior when the OXE Call Server reboots (without standby CPU). As soon as the Call Server is running again, the phone is able to make and receive a call.</p>	<p><input type="checkbox"/></p>	<p><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p>	
<p><b>11</b></p>	<p>OXE Call Server reboot while SIP phone in conversation with an IPTouch.</p> <p>Check the phone behavior when the OXE Call Server reboots (without standby CPU). The call is released. As soon as the Call Server is running again, the phone is able to make and receive a call</p>	<p><input type="checkbox"/></p>	<p><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p>	

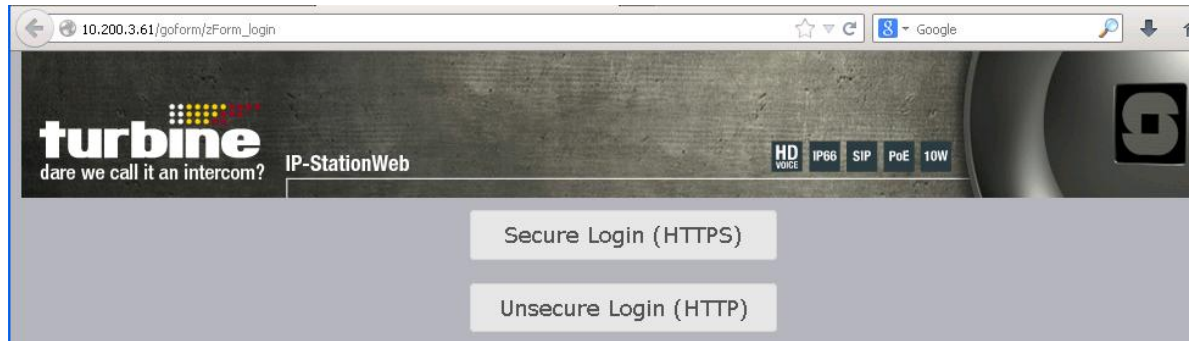
## 8.6 Video calls

Test Case Id	Test Case	N/A	OK	NOK	Comment
1	Call from DoorPhone to SIP device (Counterpath Bria) Check that the call is established in audio and video Open the Latch Release the call	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	Call to DoorPhone from SIP device (Counterpath Bria) Check that the call is established in audio and video Open the Latch Release the call	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	Call from DoorPhone to SIP device (My IC 8082) Check that the call is established in audio and video Open the Latch Release the call	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	Call from DoorPhone to SIP device (My IC 8082) Check that the call is established in audio and video Open the Latch Release the call	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

## 9 Appendix A : Partner Application Description

### Configure the DoorPhone using the web interface

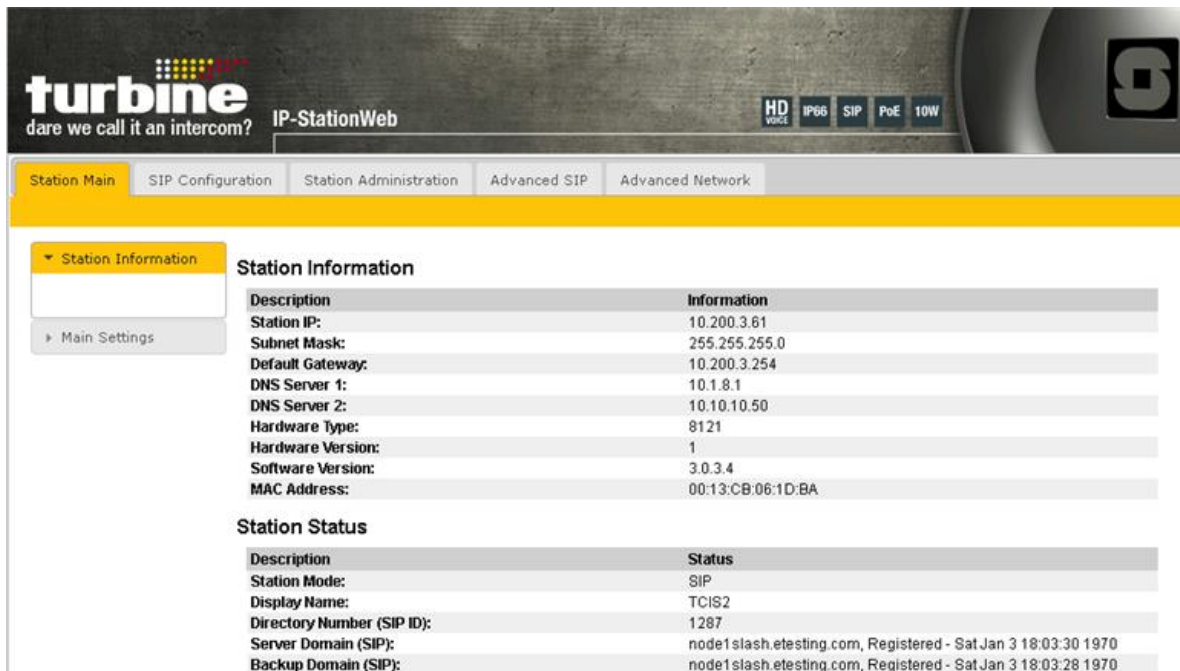
1. Open a web browser
2. Enter the TCIS DoorPhone IP address <http://10.200.3.61> in the address bar. You will get the below screen



3. Click on any one above to start the configuration
4. Enter the username "admin" and the password "alphaadmin"

# 10 Appendix B: Partner Application: Configuration Requirements

## Main Page Details



The screenshot displays the turbine IP-StationWeb interface. The header includes the turbine logo with the tagline "dare we call it an intercom?", the text "IP-StationWeb", and feature icons for HD VOICE, IP66, SIP, PoE, and 10W. A navigation bar contains tabs for Station Main, SIP Configuration, Station Administration, Advanced SIP, and Advanced Network. The main content area is divided into two sections: Station Information and Station Status.

**Station Information**

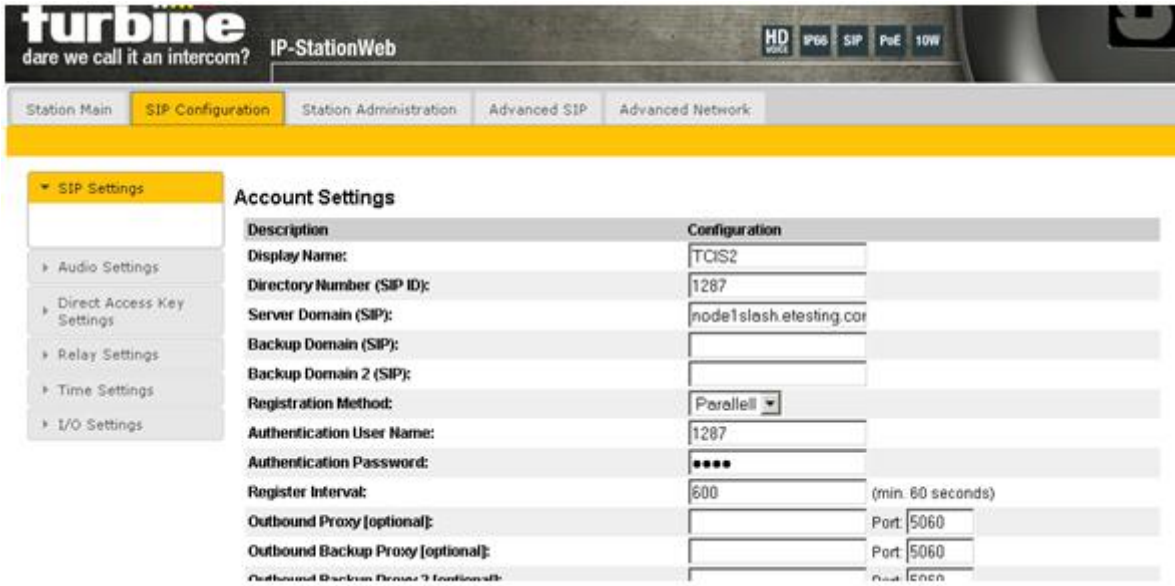
Description	Information
Station IP:	10.200.3.61
Subnet Mask:	255.255.255.0
Default Gateway:	10.200.3.254
DNS Server 1:	10.1.8.1
DNS Server 2:	10.10.10.50
Hardware Type:	8121
Hardware Version:	1
Software Version:	3.0.3.4
MAC Address:	00:13:CB:06:1D:BA

**Station Status**

Description	Status
Station Mode:	SIP
Display Name:	TCIS2
Directory Number (SIP ID):	1287
Server Domain (SIP):	node1slash.etesting.com, Registered - Sat Jan 3 18:03:30 1970
Backup Domain (SIP):	node1slash.etesting.com, Registered - Sat Jan 3 18:03:28 1970

**SIP Configuration**

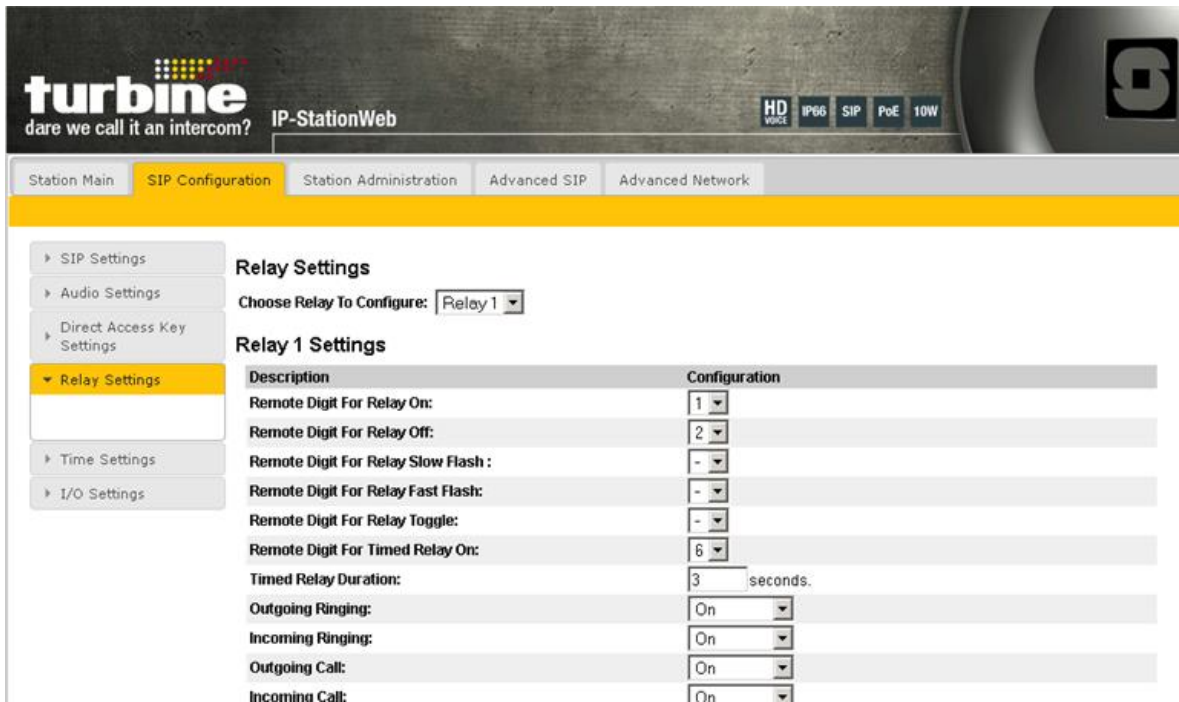
Click on “SIP Configuration” and configure the OXE parameters:



The screenshot shows the 'SIP Configuration' page in the turbine IP-StationWeb interface. The 'Account Settings' section is active, displaying a table of configuration parameters for a SIP account.

Description	Configuration
Display Name:	TCIS2
Directory Number (SIP ID):	1287
Server Domain (SIP):	node1slash.etesting.com
Backup Domain (SIP):	
Backup Domain 2 (SIP):	
Registration Method:	Parallel
Authentication User Name:	1287
Authentication Password:	••••
Register Interval:	600 (min. 60 seconds)
Outbound Proxy [optional]:	Port: 5060
Outbound Backup Proxy [optional]:	Port: 5060
Outbound Backup Proxy 2 [optional]:	Port: 5060

Configure the code for relay opening and closing in Relay settings.



The screenshot shows the 'Relay Settings' page in the turbine IP-StationWeb interface. The 'Relay 1 Settings' section is active, displaying a table of configuration parameters for Relay 1.

Choose Relay To Configure: Relay 1

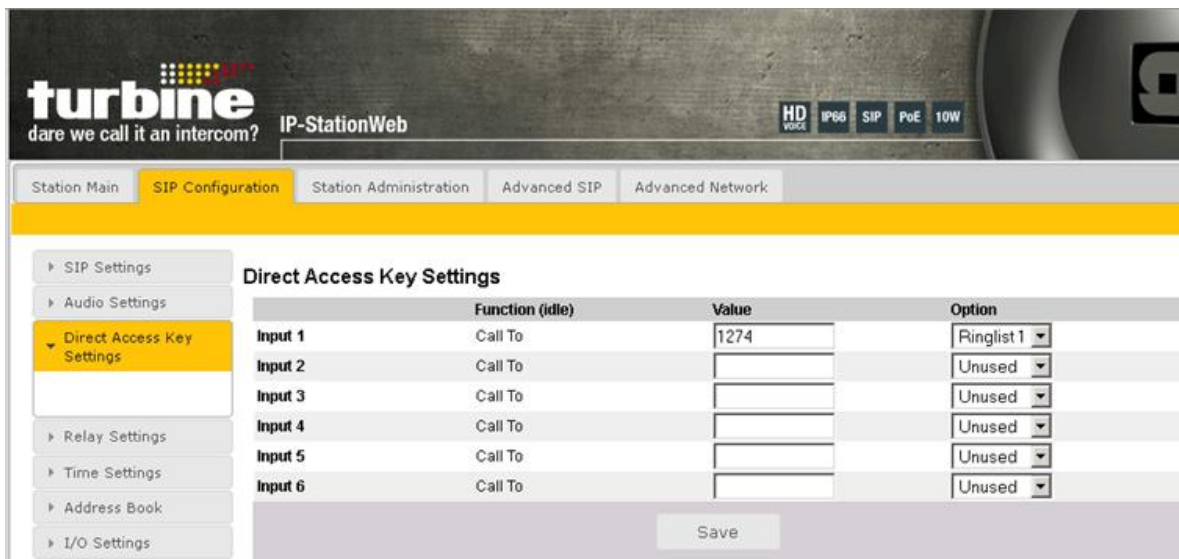
Description	Configuration
Remote Digit For Relay On:	1
Remote Digit For Relay Off:	2
Remote Digit For Relay Slow Flash :	-
Remote Digit For Relay Fast Flash:	-
Remote Digit For Relay Toggle:	-
Remote Digit For Timed Relay On:	6
Timed Relay Duration:	3 seconds.
Outgoing Ringing:	On
Incoming Ringing:	On
Outgoing Call:	On
Incoming Call:	On

**Codec Configuration:**

**Call Settings**

Description	Configuration
Enable Auto Answer:	<input type="checkbox"/>
Auto Answer Delay:	<input type="text" value="2"/> seconds. Max 30 seconds.
Delay Call Setup:	<input type="text" value="1"/> seconds. Max 60 seconds. Delays call setup using DAK/Input buttons.
Overlap dialing:	<input type="checkbox"/>
DTMF method:	<input type="text" value="RFC 2833"/>
RTP Timeout value:	<input type="text" value="15"/> seconds. 0 = RTP Timeout Disabled.
Codec g722:	<input type="text" value="Low Priority"/>
Codec g711a:	<input type="text" value="Medium Priority"/>
Codec g711u:	<input type="text" value="High Priority"/>

**User configuration to dial and call:**



The screenshot shows the turbine IP-StationWeb interface. The top navigation bar includes 'Station Main', 'SIP Configuration', 'Station Administration', 'Advanced SIP', and 'Advanced Network'. The 'SIP Configuration' section is active, and the 'Direct Access Key Settings' page is displayed. The page features a sidebar with navigation options: SIP Settings, Audio Settings, Direct Access Key Settings (selected), Relay Settings, Time Settings, Address Book, and I/O Settings. The main content area shows a table for Direct Access Key Settings with columns for Input, Function (idle), Value, and Option. A 'Save' button is located at the bottom of the table.

Input	Function (idle)	Value	Option
Input 1	Call To	<input type="text" value="1274"/>	<input type="text" value="Ringlist 1"/>
Input 2	Call To	<input type="text"/>	<input type="text" value="Unused"/>
Input 3	Call To	<input type="text"/>	<input type="text" value="Unused"/>
Input 4	Call To	<input type="text"/>	<input type="text" value="Unused"/>
Input 5	Call To	<input type="text"/>	<input type="text" value="Unused"/>
Input 6	Call To	<input type="text"/>	<input type="text" value="Unused"/>



# 11 Appendix C: Alcatel-Lucent Communication Platform: configuration requirements

## Configuration of OmniPCX Enterprise

### Creation of a SIP Device user:

```
Review/Modify: Users
Node Number (reserved) : 101
Directory Number : 1269
Directory name : 1269_
Directory First Name : -----
UTF-8 Directory Name : -----
UTF-8 Directory First Name : -----
Location Node : 1
Shelf Address : 255
Board Address : 255
Equipment Address : 255
Set Type + SIP device
Entity Number : 1
Set Function + Default
Profile Name : -----
Key Profiles + None
Domain Identifier : 0
Language ID : 1
Secret Code : ****
          : ****
```

### Creation of the trunk group: add a trunk group under mgr / Trunk groups.

```
Node Number (reserved) : 101
Trunk Group ID : 100
Instance (reserved) : 1
Trunk Group Type + T2
T2 Specification + SIP
Public Network Ref. : -----
VG for non-existent No. + YES
Entity Number : 0
Supervised by Routing + NO
VPN Cost Limit for Incom.Calls : 0
Immediate Trk Listening if VPNCall + YES
VPN TS % : 50
CSTA-Monitored + NO
```

Configuration of the SIP gateway: under mgr / SIP

```
Node Number (reserved) : 101
Instance (reserved) : 1
Instance (reserved) : 1

SIP Subnetwork : 10
SIP Trunk Group : 100
IP Address : 10.10.10.50
Machine name - Host : node1slash
SIP Proxy Port Number : 5060
SIP Subscribe Min Duration : 15
SIP Subscribe Max Duration : 5060
Session Timer : 300
Min Session Timer : 100
Session Timer Method + UPDATE
DNS local domain name : etesting.com
DNS type + DNS SRV
SIP DNS1 IP Address : 10.1.8.1
SIP DNS2 IP Address : 10.10.10.50
SDP in 18x + True
Cac SIP-SIP + False
```

Configuration of the SIP proxy: under mgr / SIP

```
Node Number (reserved) : 101
Instance (reserved) : 1
Instance (reserved) : 1

SIP initial time-out : 500
SIP timer T2 : 4000
Dns Timer overflow : 5000
Recursive search + True
Minimal authentication method + SIP None
Authentication realm : -----
Only authenticated incoming calls + False
Framework Period : 3
Framework Nb Message By Period : 25
Framework Quarantine Period : 1800
TCP when long messages + True
```

## 12 Appendix D: Partner escalation process

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Please contact the Customer service for any queries :

Customer service: +47 4000 2700

Opening hours 08.00 - 16.00 (CET / +1 UTC)

---

## 13 Appendix E: AAPP program

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### 13.1 Alcatel-Lucent Application Partner Program (AAPP)

The Application Partner Program is designed to support companies that develop communication applications for the enterprise market, based on Alcatel-Lucent's product family. The program provides tools and support for developing, verifying and promoting compliant third-party applications that complement Alcatel-Lucent's product family. Alcatel-Lucent facilitates market access for compliant applications.

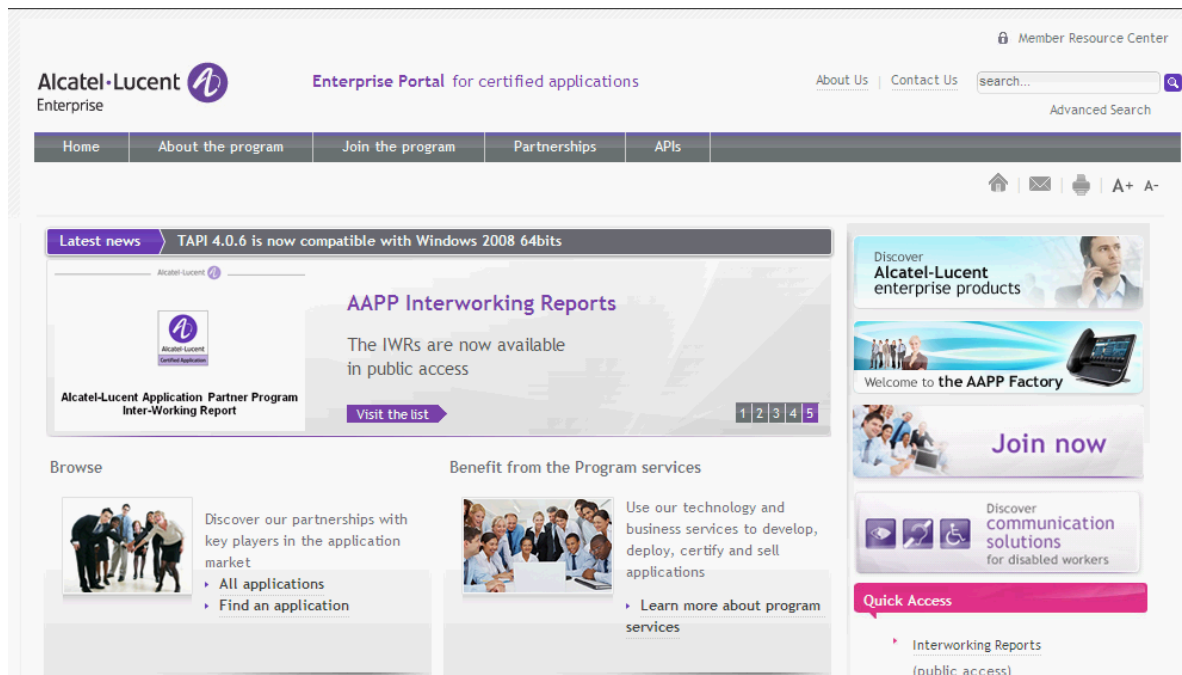
The Alcatel-Lucent Application Partner Program (AAPP) has two main objectives:

- **Provide easy interfacing for Alcatel-Lucent communication products:** Alcatel-Lucent's communication products for the enterprise market include infrastructure elements, platforms and software suites. To ensure easy integration, the AAPP provides a full array of standards-based application programming interfaces and fully-documented proprietary interfaces. Together, these enable third-party applications to benefit fully from the potential of Alcatel-Lucent products.
- **Test and verify a comprehensive range of third-party applications:** to ensure proper inter-working, Alcatel-Lucent tests and verifies selected third-party applications that complement its portfolio. Successful candidates, which are labelled Alcatel-Lucent Compliant Application, come from every area of voice and data communications.

The Alcatel-Lucent Application Partner Program covers a wide array of third-party applications/products designed for voice-centric and data-centric networks in the enterprise market, including terminals, communication applications, mobility, management, security, etc.

## Web site

The Application Partner Portal is a website dedicated to the AAPP program and where the InterWorking Reports can be consulted. Its access is free at <http://applicationpartner.alcatel-lucent.com>



Alcatel-Lucent Enterprise **Enterprise Portal** for certified applications

Member Resource Center

About Us | Contact Us search... Advanced Search

Home | About the program | Join the program | Partnerships | APIs

Latest news TAPI 4.0.6 is now compatible with Windows 2008 64bits

**AAPP Interworking Reports**

The IWRs are now available in public access

Visit the list

Browse

Benefit from the Program services

Discover our partnerships with key players in the application market

- All applications
- Find an application

Use our technology and business services to develop, deploy, certify and sell applications

- Learn more about program services

Discover Alcatel-Lucent enterprise products

Welcome to the AAPP Factory

Join now

Discover communication solutions for disabled workers

Quick Access

- Interworking Reports (public access)

## 13.2 Alcatel-Lucent.com

You can access the Alcatel-Lucent website at this URL: <http://www.Alcatel-Lucent.com/>

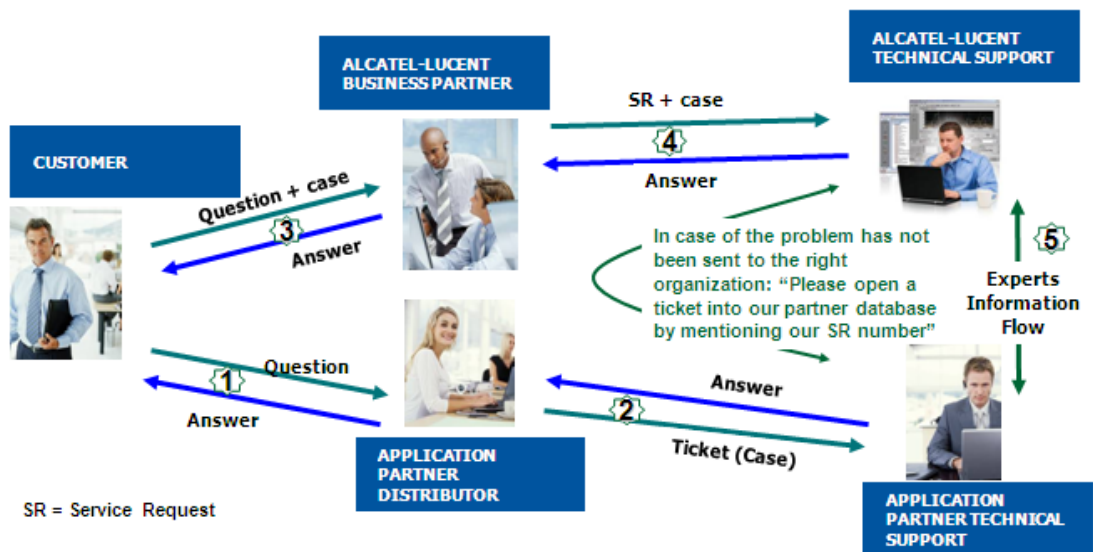
# 14 Appendix F: AAPP Escalation process

## 14.1 Introduction

The purpose of this appendix is to define the escalation process to be applied by the Alcatel-Lucent Business Partners when facing a problem with the solution certified in this document.

The principle is that Alcatel-Lucent Technical Support will be subject to the existence of a valid InterWorking Report within the limits defined in the chapter "Limits of the Technical support".

In case technical support is granted, Alcatel-Lucent and the Application Partner, are engaged as following:



(\* ) The Application Partner Business Partner can be a Third-Party company or the Alcatel-Lucent Business Partner itself

## 14.2 Escalation in case of a valid Inter-Working Report

The InterWorking Report describes the test cases which have been performed, the conditions of the testing and the observed limitations.

This defines the scope of what has been certified.

If the issue is in the scope of the IWR, both parties, Alcatel-Lucent and the Application Partner, are engaged:

Case 1: the responsibility can be established 100% on Alcatel-Lucent side.

In that case, the problem must be escalated by the ALU Business Partner to the Alcatel-Lucent Support Center using the standard process: open a ticket (eService Request –eSR)

Case 2: the responsibility can be established 100% on Application Partner side.

In that case, the problem must be escalated directly to the Application Partner by opening a ticket through the Partner Hotline. In general, the process to be applied for the Application Partner is described in the IWR.

Case 3: the responsibility can not be established.

In that case the following process applies:

- The Application Partner shall be contacted first by the Business Partner (responsible for the application, see figure in previous page) for an analysis of the problem.
- The Alcatel-Lucent Business Partner will escalate the problem to the Alcatel-Lucent Support Center only if the Application Partner has demonstrated with traces a problem on the Alcatel-Lucent side or if the Application Partner (not the Business Partner) needs the involvement of Alcatel-Lucent.

In that case, the Alcatel-Lucent Business Partner must provide the reference of the Case Number on the Application Partner side. The Application Partner must provide to Alcatel-Lucent the results of its investigations, traces, etc, related to this Case Number.

Alcatel-Lucent reserves the right to close the case opened on his side if the investigations made on the Application Partner side are insufficient or do not exist.

**Note:** Known problems or remarks mentioned in the IWR will not be taken into account.

For any issue reported by a Business Partner outside the scope of the IWR, Alcatel-Lucent offers the “On Demand Diagnostic” service where Alcatel-Lucent will provide 8 hours assistance against payment.

**IMPORTANT NOTE 1:** The possibility to configure the Alcatel-Lucent PBX with ACTIS quotation tool in order to interwork with an external application is not the guarantee of the availability and the support of the solution. The reference remains the existence of a valid InterWorking Report.

Please check the availability of the Inter-Working Report on the AAPP (URL: <https://private.applicationpartner.alcatel-lucent.com>) or Enterprise Business Portal (Url: [Enterprise Business Portal](#)) web sites.

**IMPORTANT NOTE 2:** Involvement of the Alcatel-Lucent Business Partner is mandatory, the access to the Alcatel-Lucent platform (remote access, login/password) being the Business Partner responsibility.

## 14.3 Escalation in all other cases

These cases can cover following situations:

1. An InterWorking Report exist but is not valid (see Chap 0 “Validity of an Interworking Report”)
2. The 3<sup>rd</sup> party company is referenced as AAPP participant but there is no official InterWorking Report (no IWR published on the Enterprise Business Portal for Business Partners or on the Alcatel-Lucent Application Partner web site) ,
3. The 3<sup>rd</sup> party company is NOT referenced as AAPP participant

In all these cases, Alcatel-Lucent offers the “On Demand Diagnostic” service where Alcatel-Lucent will provide 8 hours assistance against payment.



## 14.4 Technical Support access

The Alcatel-Lucent **Support Center** is open 24 hours a day; 7 days a week:

- e-Support from the Application Partner Web site (if registered Alcatel-Lucent Application Partner): <http://applicationpartner.alcatel-lucent.com>
- e-Support from the Alcatel-Lucent Business Partners Web site (if registered Alcatel-Lucent Business Partners): <https://businessportal.alcatel-lucent.com> click under "Let us help you" the *eService Request* link
- e-mail: [Ebg\\_Global\\_Supportcenter@alcatel-lucent.com](mailto:Ebg_Global_Supportcenter@alcatel-lucent.com)
- Fax number: +33(0)3 69 20 85 85
- Telephone numbers:

Alcatel-Lucent Business Partners Support Center for countries:

Country	Supported language	Toll free number
France	French	+800-00200100
Belgium		
Luxembourg		
Germany	German	
Austria		
Switzerland		
United Kingdom	English	
Italy		
Australia		
Denmark		
Ireland		
Netherlands		
South Africa		
Norway		
Poland		
Sweden		
Czech Republic		
Estonia		
Finland		
Greece		
Slovakia		
Portugal		
Spain	Spanish	

For other countries:

English answer: + 1 650 385 2193  
 French answer: + 1 650 385 2196  
 German answer: + 1 650 385 2197  
 Spanish answer: + 1 650 385 2198

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