



## **Avaya Solution & Interoperability Test Lab**

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### **Application Notes for Configuring Avaya Communication Server 1000E R7.5 with ESTOS ECSTA 3.0.1 - Issue 1.0**

#### **Abstract**

These Application Notes describe the configuration steps required for Avaya Communication Server 1000E R7.5 with ESTOS ECSTA 3.0. 1

Information in these Application Notes has been obtained through DevConnect compliance testing and additional technical discussions. Testing was conducted via the DevConnect Program at the Avaya Solution and Interoperability Test Lab.

# 1. Introduction

These Application Notes describe the configuration steps to integrate Avaya Communication Server 1000E with ESTOS ECSTA. ESTOS ECSTA offers a Telephony Service Provider for Microsoft Telephony Application Programming Interface 2.1 (also 2.2 and 3.0). This Telephony Application Programming Interface driver implements a central communication between a Personal Computer and the Avaya Communication Server 1000E. ESTOS ECSTA uses the Computer-telephony Integration feature of Communication Server 1000E Node. Digital, Analog and UniStim IP endpoints are hosted on Communication Server 1000E

## 2. General Test Approach and Test Results

The general test approach was to configure the ESTOS ECSTA to communicate with the Avaya Communication Server 1000E (CS1000E) as implemented on a customer's premises. ESTOS Ephones were used as Telephony Application Programming Interface (TAPI) clients in conjunction with Microsoft TAPI to control the Avaya Deskphones. See **Figure 1** for a network diagram. The interoperability compliance test included both feature functionality and serviceability tests.

DevConnect Compliance Testing is conducted jointly by Avaya and DevConnect members. The jointly-defined test plan focuses on exercising APIs and/or standards-based interfaces pertinent to the interoperability of the tested products and their functionalities. DevConnect Compliance Testing is not intended to substitute full product performance or feature testing performed by DevConnect members, nor is it to be construed as an endorsement by Avaya of the suitability or completeness of a DevConnect member's solution.

### 2.1. Interoperability Compliance Testing

Feature functionality testing included

- Acquire a variety of Avaya Desk Phones
- Redirect calls
- Internal/External calls to TAPI clients
- Conference calls
- Transfers - Blind/Consult
- Hold/Unhold

### 2.2. Test Results

All testcases were executed and passed successfully.

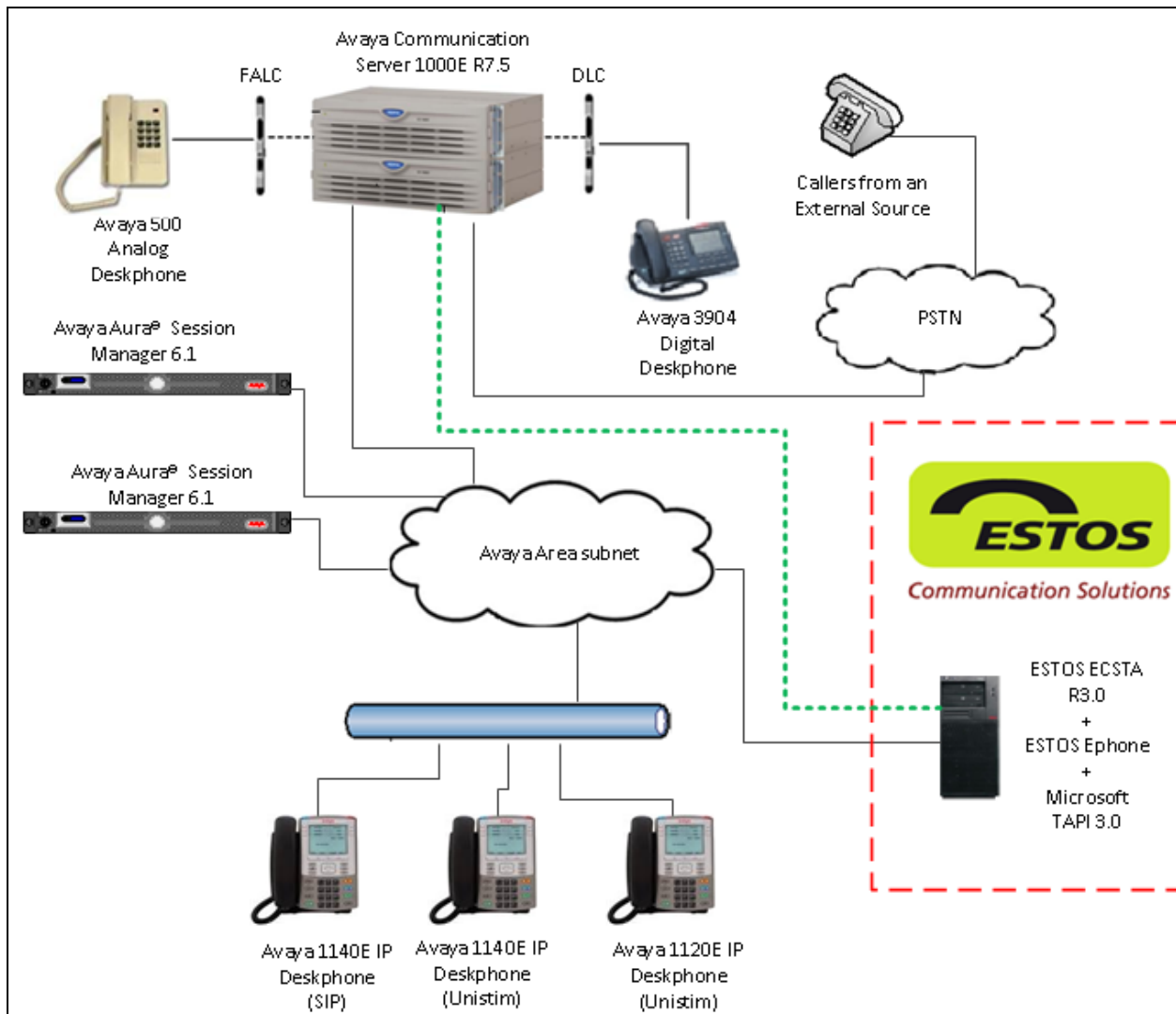
### 2.3. Support

Technical Support can be obtained for ESTOS products as follows:

- Online: <http://www.estos.com/contact/online-support-request.html>
- Phone: + 49 (8151) 36856-177

### 3. Reference Configuration

**Figure 1** Illustrates the network topology used during compliance testing. The Avaya solution consists of a CS1000E. The CTI feature is enabled on the CS1000E Node. ESTOS ECSTA clients are running on a Windows 2008 R2 64bit server in a VM Ware environment. Avaya 1140 series IP, Avaya Digital 3904 and Avaya 500 Analog sets were configured on the CS1000E server and were acquired by the ESTOS TAPI clients. During compliance testing ESTOS Ephones were used to as TAPI clients in conjunction with Microsoft TAPI to control the Avaya Deskphones. An Avaya SIP phone which was configured on the CS1000E was also used to make and receive calls on the TAPI clients. Inbound and outbound calls to the PSDN were made using a simulated PSTN. **Note:** All voice was handled by the Avaya Deskphones.



**Figure 1: Avaya Communication Server 1000E and ESTOS ECSTA Reference Configuration**

## 4. Equipment and Software Validated

The following equipment and software were used for the sample configuration provided:

<b>Avaya Equipment</b>	<b>Software / Firmware Version</b>
Call Processor Pentium Mobile (CPPM) Avaya Media Gateway NTDW60	Avaya Communication Server 1000E R7.5 FPGA AA18
Avaya S8800 Server running Avaya Aura® System Manager	Avaya Aura® System Manager R6.1 Build 6.1.0023
Avaya S8800 Server running Avaya Aura® Session Manager	Avaya Aura® Session Manager R6.1 Build 6.1.0012
Avaya Flexible Analog Line Card	NT5K02QC
Avaya Digital Line Card	NT8D02
Avaya 1100 series IP Telephones • 1140e	0625C8A (UniStim 5.0) SIP FW 04.00.04.00.bin
Avaya 3904 Digital set	F/W 2.4
Avaya Analog set	NT2N73AA
<b>ESTOS Equipment</b>	<b>Software / Firmware Version</b>
IBM System x3250 M2 server running Windows 2008 Server R2	ESTOS ECSTA Version 3.0.1.209
Microsoft TAPI	Version 3.0

## 5. Configure Avaya Communication Server 1000E

The configuration operations illustrated in this section were performed using terminal access to the CS1000E over a telnet session. It is implied a working system is already in place. For all other provisioning information such as Installation and Configuration, please refer to the product documentation in **Section 9. Appendix A** has a list of all CS1000E patches, deplist and service packs loaded on the system. The configuration operations described in this section can be summarized as follows:

- Verify Licence
- Configure ELAN
- Configure Value Added Service (VAS)
- Configure Deskphones to be acquired by CTI clients
- Configure Node

**Note:** In the telnet screenshots below only the unique prompt inputs are shown. To accept default values carriage return at all other prompts.

## 5.1. Verify Licence

A SIP CTI Licence is required to allow the ESTOS ECSTA solution to interoperate with the CS1000E. To ensure the CS1000E is licensed for SIP CTI use **LD 22** and type **SLT** at the **REQ** prompt. Check for **SIP CTI TR87** (In bold below). If there are no Licences please contact your Avaya representative.

### LD22

REQ	SLT				
System type is - Communication Server 1000E/CPPM Linux					
CPPM - Pentium M 1.4 GHz					
IPMGs Registered:					1
IPMGs Unregistered:					0
IPMGs Configured/unregistered:					0
TRADITIONAL TELEPHONES	2000	LEFT	1992	USED	8
DECT USERS	2000	LEFT	2000	USED	0
IP USERS	4000	LEFT	3982	USED	18
BASIC IP USERS	2000	LEFT	1998	USED	2
TEMPORARY IP USERS	2000	LEFT	2000	USED	0
DECT VISITOR USER	2000	LEFT	2000	USED	0
ACD AGENTS	2000	LEFT	1995	USED	5
MOBILE EXTENSIONS	2000	LEFT	1999	USED	1
TELEPHONY SERVICES	2000	LEFT	2000	USED	0
CONVERGED MOBILE USERS	2000	LEFT	2000	USED	0
AVAYA SIP LINES	2000	LEFT	1997	USED	3
THIRD PARTY SIP LINES	2000	LEFT	1998	USED	2
PCA	2000	LEFT	2000	USED	0
ITG ISDN TRUNKS	2000	LEFT	2000	USED	0
H.323 ACCESS PORTS	2000	LEFT	1990	USED	10
AST	2000	LEFT	1982	USED	18
SIP CONVERGED DESKTOPS	2000	LEFT	2000	USED	0
<b>SIP CTI TR87</b>	<b>2000</b>	<b>LEFT</b>	<b>1993</b>	<b>USED</b>	<b>7</b>
SIP ACCESS PORTS	2000	LEFT	1970	USED	30
RAN CON	2000	LEFT	2000	USED	0
MUS CON	2000	LEFT	2000	USED	0
IP RAN CON	2000	LEFT	2000	USED	0
IP MUS CON	2000	LEFT	2000	USED	0
IP MEDIA SESSIONS	2000	LEFT	1997	USED	3
TNS	10000	LEFT	9812	USED	188
ACDN	24000	LEFT	23979	USED	21
AML	16	LEFT	12	USED	4
IDLE_SET_DISPLAY Cores3 Rls	7.5				
LTID	2000	LEFT	2000	USED	0
RAN RTE	512	LEFT	510	USED	2
ATTENDANT CONSOLES	100	LEFT	99	USED	1
IP ATTENDANT CONSOLES	2000	LEFT	1999	USED	1
BRI DSL	10000	LEFT	10000	USED	0

MPH DSL	100	LEFT	100	USED	0
DATA PORTS	2000	LEFT	2000	USED	0
PHANTOM PORTS	2000	LEFT	1996	USED	4
TRADITIONAL TRUNKS	2000	LEFT	1965	USED	35
ELC ACCESS PORTS	2000	LEFT	2000	USED	0
DCH	255	LEFT	252	USED	3

## 5.2. Configure ELAN

Use the **CHG** command in **LD17** to configure an ELAN to communicate to the ESTOS ECSTA server.

### LD17

Prompt	Response	Description
>	LD 17	Enter Overlay 17
<b>REQ</b>	<b>chg</b>	Change
<b>TYPE</b>	<b>adan</b>	Change the Action Device and Number
<b>ADAN</b>	<b>new elan 32</b>	Create New ELAN
<b>CTYP</b>	<b>elan</b>	Card type is ELAN
<b>DES</b>	<b>Estos</b>	Description

## 5.3. Configure Value Added Service (VAS)

Use the **CHG** command in **LD17** to configure VAS to communicate to the ESTOS ECSTA server. AT the **ELAN** prompt enter **32** as was configured in **Section 5.2**.

### LD 17

Prompt	Response	Description
>	LD 17	Enter Overlay 17
<b>REQ</b>	<b>chg</b>	Change
<b>TYPE</b>	<b>vas</b>	Value added service
<b>VAS</b>	<b>new</b>	Create new VAS
<b>VSID</b>	<b>32</b>	VAS ID
<b>ELAN</b>	<b>32</b>	ELAN number
<b>SECU</b>	<b>yes</b>	Security

## 5.4. Configure Deskphones to be acquired by CTI clients

Each Deskphone to be acquired by the CTI clients need the following configured: **CLS = T87A**, **AST = 0**, **IPGI = 1**. Use the **CHG** command in **LD 20** to change the values if the Deskphone is already configured. If adding the Deskphone for the first time use the **NEW** command also in **LD 20**. The example below shows how to change the configuration for a digital Deskphone. For Analog and IP UniStim Deskphone the same procedure is used.

### LD 20

Prompt	Response	Description
>	LD 20	Enter Overlay 20
REQ	chg	Change Data
TYPE	3904	3904 Telephone set type
TN	4 0 9 0	Terminal number
CUST	0	Customer Number
CLS	T87A	Class of Service
AST	0	Key Assignments of Telephone set
IAPG	1	Event Group for UCM Message

## 5.5. Configure Node

The Node configuration is implemented using Element Manger. Open the Element manager Web page and log on using the appropriate credentials (not shown). Once the main Element Manager page is open select **IP Network** → **Nodes: Servers, Media Cards**. Double click the Node to configure, (During compliance testing **Node 3** was used).

**Note:** the Node IP Address used during compliance testing was **47.166.92.219**.

The screenshot shows the AVAYA CS1000 Element Manager web interface. The left sidebar contains a navigation tree with 'IP Network' expanded to show 'Nodes: Servers, Media Cards'. The main content area displays 'IP Telephony Nodes' with a table of nodes. Node 3 is selected and highlighted with a red box. The table columns are Node ID, Components, Enabled Applications, ELAN IP, Node/TLAN IPv4, Node/TLAN IPv6, and Status. Below the table, there are checkboxes for 'Nodes', 'Component servers and cards', and 'IPv6 address'.

Node ID	Components	Enabled Applications	ELAN IP	Node/TLAN IPv4	Node/TLAN IPv6	Status
3	1	SIP Line, LTPS, PD, IP Media Services, Gateway (SIPGw, H323Gw)	-	47.166.92.219	-	Synchronized

Once the **Node Details** page opens scroll down using the scroll bar on the left of the page to **applications** (Not shown)

**AVAYA CS1000 Element Manager**

Managing: 172.18.20.14 Username: admin2  
System » IP Network » IP Telephony Nodes » Node Details

**Node Details (ID: 3 - SIP Line, LTPS, PD, IP Media Services, Gateway ( SIPGw, H323Gw ))**

Node ID:  \* (0-9999)

Call server IP address:  \*      TLAN address type:  IPv4 only  IPv4 and IPv6

**Embedded LAN (ELAN)**      **Telephony LAN (TLAN)**

Gateway IP address:  \*      Node IPv4 address:  \*

Subnet mask:  \*      Subnet mask:  \*

Node IPv6 address:

\* Required Value.     

At **Applications** select **Gateway (SIPGw & H323Gw)**.

**AVAYA CS1000 Element Manager**

Managing: 172.18.20.14 Username: admin2  
System » IP Network » IP Telephony Nodes » Node Details

**Node Details (ID: 3 - SIP Line, LTPS, PD, IP Media Services, Gateway ( SIPGw, H323Gw ))**

Subnet mask:  \*      Subnet mask:  \*

Node IPv6 address:

**IP Telephony Node Properties**

- [Voice Gateway \(VGW\) and Codecs](#)
- [Quality of Service \(QoS\)](#)
- [LAN](#)
- [SNTP](#)
- [Numbering Zones](#)
- [MCDN Alternative Routing Treatment \(MALT\) Causes](#)

**Applications (click to edit configuration)**

- [SIP Line](#)
- [Terminal Proxy Server \(TPS\)](#)
- [Gateway \(SIPGw & H323Gw\)](#)
- [Personal Directories \(PD\)](#)
- [Presence Publisher](#)
- [IP Media Services](#)

\* Required Value.



Once the Node ID Virtual Trunk Gateway Configuration Details page opens scroll down using the scroll bar on the left of the page to **SIP CTI Services** (Not shown).

The screenshot displays the AVAYA CS1000 Element Manager interface. The top header shows the AVAYA logo and the title 'CS1000 Element Manager'. Below the header, the user information 'Managing: 172.18.20.14 Username: admin2' and the breadcrumb 'System » IP Network » IP Telephony Nodes » Node Details » Virtual Trunk Gateway Configuration' are visible. The main content area is titled 'Node ID: 3 - Virtual Trunk Gateway Configuration Details' and features a tabbed interface with 'General', 'SIP Gateway Settings', 'SIP Gateway Services', and 'H.323 Gateway Settings'. The 'General' tab is active, showing the 'Vtrk gateway application' set to 'SIPGw and H.323Gw' and a checked option to 'Enable gateway service on this node'. Other fields include 'SIP domain name: dpp.nortel', 'Local SIP port: 5060', 'Gateway endpoint name: cores3', 'Gateway password', 'H.323 ID: cores3', and 'Application node ID: 3'. A 'Virtual Trunk Network Health Monitor' section is also present, with a 'Monitor IP addresses' checkbox and an 'Add' button. A red arrow points to a scroll bar on the right side of the configuration area. The bottom of the page includes a 'Save' button, a 'Cancel' button, and a note: 'Note: Changes made on this page will NOT be transmitted until the Node is also saved.'

At **SIP CTI Services** check the **Enable CTI service** check box, uncheck the **TLS endpoints only** check box, and select **phone-context=dialstring** from the **Calling device URI format** dropdown box. Click the **Save** button to save the configurations. Once the **Save** button is clicked the **Node Details** page will open.

**Note:** Changes made on this page will **NOT** be transmitted until the Node is also saved.

**AVAYA CS1000 Element Manager**

Managing: 172.18.20.14 Username: admin2  
System » IP Network » IP Telephony Nodes » Node Details » Virtual Trunk Gateway Configuration

**Node ID: 3 - Virtual Trunk Gateway Configuration Details**

General | SIP Gateway Settings | **SIP Gateway Services** | H.323 Gateway Settings

Invite message for MV set: sip:convergeddesktop@;nortelconverged=conditionalfork  
Notify message for converged desktop: sip:convergeddesktop@

**SIP CTI Service:**  Enable CTI service  TLS endpoints only

CTI settings  
Customer number: 0  
Maximum associations per DN: 3  
International calls:  Place as national  
For calls within this country.

Dial plan prefixes  
National:   
International:   
Location code call:   
Special number:   
Subscriber:

CTI CLID presentation  
Dialing plan: CDP  
**Calling device URI format: phone-context=dialstring**

\* Required Value. Note: Changes made on this page will NOT be transmitted until the Node is also saved. **Save** Cancel

Once the **Node Details** page opens click the **Save** button.

**AVAYA CS1000 Element Manager**

Managing: 172.18.20.14 Username: admin2  
System » IP Network » IP Telephony Nodes » Node Details

**Node Details (ID: 3 - SIP Line, LTPS, PD, IP Media Services, Gateway ( SIPGw, H323Gw ))**

Node ID: 3 \* (0-9999)  
Call server IP address: 172.18.20.14 \*  
TLAN address type:  IPv4 only  IPv4 and IPv6

**Embedded LAN (ELAN)**  
Gateway IP address: 172.18.20.1 \*  
Subnet mask: 255.255.255.128 \*  
**Telephony LAN (TLAN)**  
Node IPv4 address: 47.166.92.219 \*  
Subnet mask: 255.255.255.224 \*  
Node IPv6 address:

\* Required Value. **Save** Cancel

Once the **Node Saved** page opens click on the **Transfer** button.

When the **Synchronize Configuration Files** page opens click on the **Start Sync** button.

Once the Synchronization Status changes to Synchronized, click on the **Restart Applications** button.

**Note:** After clicking the **Restart Applications** button all applications will restart including IP Deskphones. This may take up to 5 minutes.

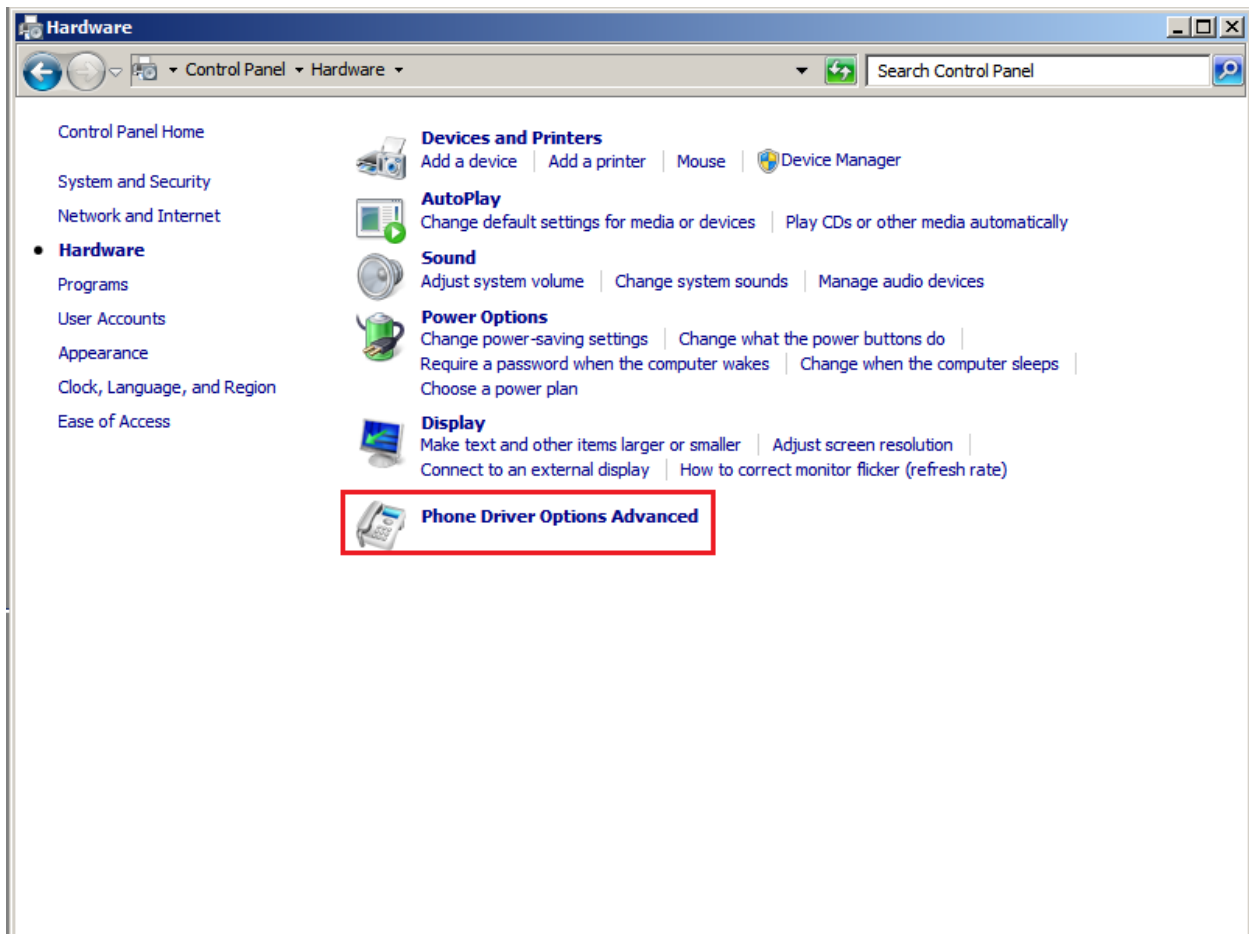
## 6. Configuration of ESTOS ECSTA

This section provides the procedures to configure ESTOS ECSTA. It is implied that the ECSTA is already installed. It is also assumed that the Microsoft TAPI is installed. For all other provisioning information such as initial installation, please refer to the product documentation in **Section 9**.

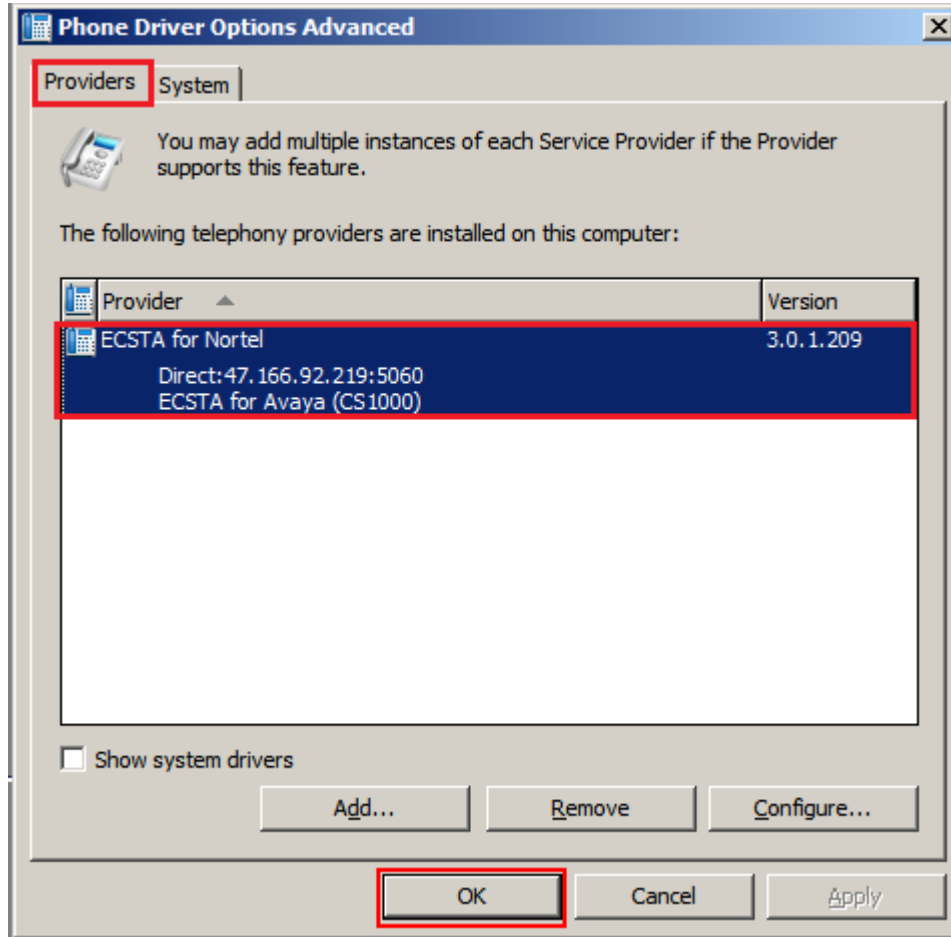
**Note:** The installation and configuration of the ESTOS Ephone which was used as the TAPI client during compliance testing is outside the scope of this document.

### 6.1. Configure Phone Driver Options

The configuration of the ESTOS ECSTA is configured using the **Phone drivers Options Advanced** found in **Start → Control Panel → Hardware** (not shown), double click on **Phone drivers Options Advanced**.

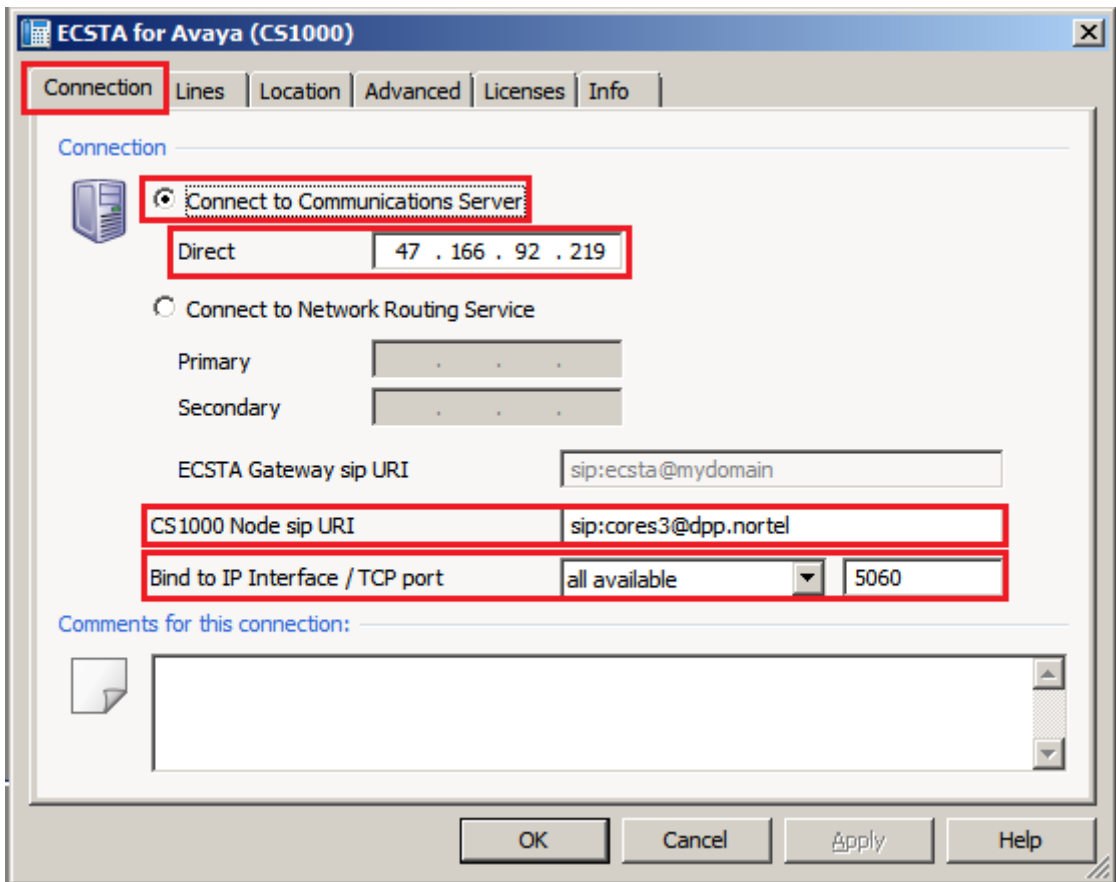


Once the **Phone drivers Options Advanced** window opens select **ECSTA for Nortel** and click on the **OK** button.

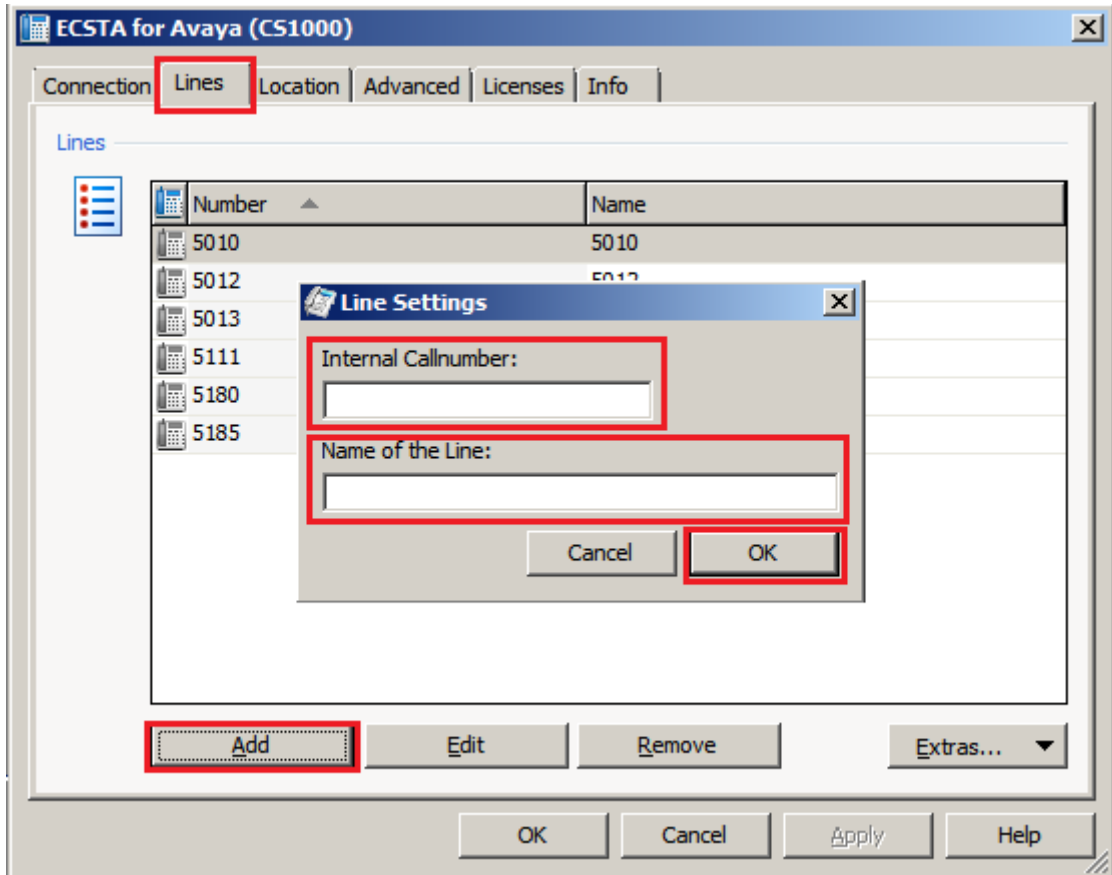


Once the **ECSTA for Avaya (CS1000)** window opens select the **Connection** tab, click on the **Connect to Communication server** Radio button. In the **Direct** window enter the **Node IP Address** found in **Section 5.5**. In the **CS1000 Node sip URI** window enter **sip:cores3@dpp.nortel**. From the **Bind to IP Interface / TCP port** window select **all available** from the dropdown box and enter port **5060**.

**Note:** The **CS1000 Node sip URI** is made up of the **Gateway Endpoint** name and **SIP domain name** found in **Section 5.5**.



Once the **Connection** details are filled in, click on the **Lines** tab. The Deskphones to be acquired by the ECSTA need to be entered here. Click on the **Add** button. When the **Line Settings** window opens enter the Deskphone number in the **Internal Callnumber** box, also enter the name of the Deskphone in the **Name of the Line** box. Click on the **OK** button to save the Line settings. Click on the **Add** button to enter any subsequent Line Settings.



Once the **Lines** details are filled in, click on the **Location** tab. The Phone Number Range to be acquired by the ECSTA is entered in this tab. In the **First Extension (Phone Number)** and **Last Extension (Phone Number)** boxes enter the first and last Deskphone number to be acquired. In the **phone-context=** box enter **dialstring**. Click the **OK** button to save all the configuration changes.

ECSTA for Avaya (CS1000)

Connection | Lines | **Location** | Advanced | Licenses | Info

Location

Use Location

Country Code  1 for USA

Area Code  212 NY City

Local Office Code  1234 for Company

Phone Number Range

First Extension (Phone Number)	<input type="text" value="5000"/>	e.g. 10
Last Extension (Phone Number)	<input type="text" value="5185"/>	e.g. 350
phone-context=	<input type="text" value="dialstring"/>	Domain or 'dialstring'

Phone Number Format

You may apply rules for the formatting of phone numbers.



## 7. Verification Steps

This section provides tests that can be performed to verify correct configuration of the Avaya and ESTOS ECSTA solution.

### 7.1. Verify Avaya Communication Server 1000E Deskphones are acquired.

The following step can ensure that the CS1000E Deskphones are acquired by the ECSTA. Using the Terminal number (TN) of the Deskphone acquired use the **PRT** command in LD 20 to verify it is acquired correctly. At the **TYPE** prompt enter **TNB** and at the **TN** prompt enter the TN of the Deskphone (i.e. **4 0 9 0**). Press Enter 4 times until the complete configuration of the Deskphone is output. At the **AACS**, **ACQ**, **ASID**, **SFNB**, **SFRB**, **USFB**, **CALB**, and **FCTB** prompts something similar as shown in the extract below should be seen.

#### LD 20

Prompt	Response	Description
>	LD 20	Enter Overlay 20
REQ	PRT	Print Data
TYPE	TNB	Terminal number
TN	4 0 9 0	Terminal number
(Return)		
(Return)		
(Return)		
(Return)		
AACS	YES	
ACQ	AS: TN	
ASID	16	
SFNB	2 5 6 7 8 9 10 11 12 13 15 16 17 18 19 21 23	
SFRB	1 2 15	
USFB	1 3 4 5 6 7 9 10 12 13 14 15	
CALB	1 3 4 5 6 8 9 10 11 12	
FCTB	0 1	

## 7.2. Verify ESTOS ECSTA connection to Avaya Communication Server 1000E Node

Navigate to the ESTOS log files contained in `c:\ecstaCS1000` and open `general5_0.txt`. Verify connectivity with the CS1000E Node (**47.166.92.219**) on port **5060** by the Ephone test tool controlling extension **5013** via ECSTA, as shown in the log extract below. **LineOpen** confirms successful connection.

```
connection.09.07.2012 15:21:35:124;32;5013;TSPI_lineOpen begin
09.07.2012 15:21:35:124;32;5013;TSPI_lineOpen success
09.07.2012 15:21:35:124;32;TSPI_lineSetDefaultMediaDetection;5013 MediaModes
00000004
09.07.2012 15:21:35:124;32;ETspBase::ConnectionWatchFunction;PBX Connect is
required
09.07.2012 15:21:35:124;32;ETspBase::Connect;SIP: Host 47.166.92.219, Port
5060
09.07.2012 15:21:35:186;32;ETspBase::ConnectionWatchFunction;Connect result:
00000000
09.07.2012 15:21:35:280;32;5013;LineOpen 00000000
```

## 8. Conclusion

A full and comprehensive set of feature functional test cases were performed during Compliance testing. ESTOS ECSTA 3.0.1.209 is considered compliant with Avaya Communication Server 1000E R7.5 All test cases have passed and met the objectives outlined in **Section 2**.

## 9. Additional References

These documents form part of the Avaya official technical reference documentation suite. Further information may be had from <http://support.avaya.com> or from your Avaya representative.

[1] *Software Input Output Reference — Administration Avaya Communication Server 1000 7.5, NN43001-611, 05.09 September 2011*

[2] *Element Manager System Reference – Administration Avaya Communication Server 1000 7.5, NN43001-632, 05.13 November 2011*

Product documentation for ESTOS products can be found at <http://www.estos.de>

# Appendix A: Avaya Communication Server 1000E Software

## Avaya Communication Server 1000E call server deplists

VERSION 4121

RELEASE 7

ISSUE 50 Q +

DepList 1: core Issue: 01 (created: 2012-03-14 13:55:18 (est))

### IN-SERVICE PEPS

PAT#	CR #	PATCH REF #	NAME	DATE	FILENAME	SPECINS
000	wi00969890	ISS1:1OF1	p31664_1	20/08/2012	p31664_1.cpl	YES
001	wi00974635	ISS1:1OF1	p31695_1	20/08/2012	p31695_1.cpl	YES
002	wi00958776	ISS1:1OF1	p31542_1	20/08/2012	p31542_1.cpl	YES
003	wi00925218	ISS1:1OF1	p30675_1	20/08/2012	p30675_1.cpl	NO
004	wi00881777	ISS1:1OF1	p25747_1	20/08/2012	p25747_1.cpl	NO
005	wi00862574	ISS1:1OF1	p30870_1	20/08/2012	p30870_1.cpl	NO
006	wi00879322	ISS1:1OF1	p30954_1	20/08/2012	p30954_1.cpl	NO
007	wi00976209	ISS1:1OF1	p31717_1	20/08/2012	p31717_1.cpl	YES
008	wi00984178	ISS1:1OF1	p31786_1	20/08/2012	p31786_1.cpl	NO
009	wi00959284	ISS1:1OF1	p31531_1	20/08/2012	p31531_1.cpl	NO
010	wi00905660	ISS1:1OF1	p27968_1	20/08/2012	p27968_1.cpl	NO
011	wi00897082	ISS1:1OF1	p31124_1	20/08/2012	p31124_1.cpl	NO
012	wi00897096	ISS1:1OF1	p30676_1	20/08/2012	p30676_1.cpl	NO
013	wi00855423	ISS1:1OF1	p31328_1	20/08/2012	p31328_1.cpl	YES
014	wi00896680	ISS1:1OF1	p30357_1	20/08/2012	p30357_1.cpl	NO
015	wi00937672	ISS1:1OF1	p31276_1	20/08/2012	p31276_1.cpl	NO
016	wi00859123	ISS1:1OF1	p30648_1	20/08/2012	p30648_1.cpl	NO
017	wi00949273	ISS1:1OF1	p31411_1	20/08/2012	p31411_1.cpl	NO
018	wi00840590	ISS1:1OF1	p30767_1	20/08/2012	p30767_1.cpl	NO
019	wi00978007	ISS1:1OF1	p31737_1	20/08/2012	p31737_1.cpl	NO
020	wi00865477	ISS1:1OF1	p30897_1	20/08/2012	p30897_1.cpl	YES
021	wi00900668	ISS1:1OF1	p30456_1	20/08/2012	p30456_1.cpl	NO
022	wi00906163	ISS1:1OF1	p31205_1	20/08/2012	p31205_1.cpl	NO
023	wi00949627	ISS1:1OF1	p31462_1	20/08/2012	p31462_1.cpl	NO
024	wi00875701	ISS1:1OF1	p30942_1	20/08/2012	p30942_1.cpl	NO
025	wi00937114	ISS1:1OF1	p31310_1	20/08/2012	p31310_1.cpl	NO
026	wi00858335	ISS1:1OF1	p30819_1	20/08/2012	p30819_1.cpl	NO
027	wi00869243	ISS1:1OF1	p30848_1	20/08/2012	p30848_1.cpl	NO
028	wi00896394	ISS1:1OF1	p30807_1	20/08/2012	p30807_1.cpl	NO
029	wi00925208	ISS1:1OF1	p30986_1	20/08/2012	p30986_1.cpl	NO
030	wi00835294	ISS1:1OF1	p30565_1	20/08/2012	p30565_1.cpl	NO
031	wi00962211	ISS1:1OF1	p31580_1	20/08/2012	p31580_1.cpl	NO
032	wi00945997	ISS1:1OF1	p31641_1	20/08/2012	p31641_1.cpl	NO
033	wi00907697	ISS1:1OF1	p31227_1	20/08/2012	p31227_1.cpl	NO
034	wi00886321	ISS1:1OF1	p31009_1	20/08/2012	p31009_1.cpl	NO
035	wi00854130	ISS1:1OF1	p30443_1	20/08/2012	p30443_1.cpl	NO
036	wi00873382	ISS1:1OF1	p30832_1	20/08/2012	p30832_1.cpl	NO
037	WI00927300	ISS1:1OF1	p30999_1	20/08/2012	p30999_1.cpl	NO
038	wi00982243	ISS1:1OF1	p31797_1	20/08/2012	p31797_1.cpl	NO
039	wi00898327	ISS1:1OF1	p31136_1	20/08/2012	p31136_1.cpl	NO
040	wi00832106	ISS1:1OF1	p30550_1	20/08/2012	p30550_1.cpl	NO
041	wi00900096	ISS1:1OF1	p31006_1	20/08/2012	p31006_1.cpl	NO
042	wi00959820	ISS1:1OF1	p31562_1	20/08/2012	p31562_1.cpl	NO

043	wi00895090	ISS1:1OF1	p31105_1	20/08/2012	p31105_1.cpl	NO
044	wi00967509	ISS1:1OF1	p31294_1	20/08/2012	p31294_1.cpl	NO
045	wi00890475	p30952	p31048_1	20/08/2012	p31048_1.cpl	NO
046	wi00852365	ISS1:1OF1	p30707_1	20/08/2012	p30707_1.cpl	NO
047	wi00957252	ISS1:1OF1	p31530_1	20/08/2012	p31530_1.cpl	NO
048	wi00887744	ISS2:1OF1	p31026_2	20/08/2012	p31026_2.cpl	NO
049	WI00853473	ISS1:1OF1	p30625_1	20/08/2012	p30625_1.cpl	NO
050	wi00905600	ISS1:1OF1	p31201_1	20/08/2012	p31201_1.cpl	NO
051	WI00889786	ISS1:1OF1	p30750_1	20/08/2012	p30750_1.cpl	NO
052	wi00827950	ISS2:1OF1	p30471_2	20/08/2012	p30471_2.cpl	NO
053	wi00843623	ISS1:1OF1	p30731_1	20/08/2012	p30731_1.cpl	YES
054	wi00960809	ISS1:1OF1	p31564_1	20/08/2012	p31564_1.cpl	NO
055	wi00898200	ISS1:1of1	p31274_1	20/08/2012	p31274_1.cpl	NO
056	wi00938555	ISS1:1OF1	p30881_1	20/08/2012	p30881_1.cpl	YES
057	wi00964006	ISS1:1OF1	p31595_1	20/08/2012	p31595_1.cpl	YES
058	wi00865477	ISS1:1OF1	p30898_1	20/08/2012	p30898_1.cpl	YES
059	wi00905297	ISS1:1OF1	p31195_1	20/08/2012	p31195_1.cpl	NO
060	wi00839255	ISS1:1OF1	p30591_1	20/08/2012	p30591_1.cpl	NO
061	wi00960133	ISS2:1OF1	p31557_2	20/08/2012	p31557_2.cpl	NO
062	wi00967754	ISS1:1OF1	p31653_1	20/08/2012	p31653_1.cpl	YES
063	wi00943172	ISS1:1OF1	p31402_1	20/08/2012	p31402_1.cpl	NO
064	wi00877367	ISS1:1OF1	p30534_1	20/08/2012	p30534_1.cpl	NO
065	wi00857566	ISS1:1OF1	p30766_1	20/08/2012	p30766_1.cpl	NO
066	wi00948274	ISS1:1OF1	p31365_1	20/08/2012	p31365_1.cpl	NO
067	wi00841980	ISS1:1OF1	p30618_1	20/08/2012	p30618_1.cpl	NO
068	wi00897176	ISS1:1OF1	p30418_1	20/08/2012	p30418_1.cpl	NO
069	wi00865477	ISS1:1OF1	p30892_1	20/08/2012	p30892_1.cpl	YES
070	wi00931028	ISS1:1OF1	p31354_1	20/08/2012	p31354_1.cpl	YES
071	wi00875425	ISS1:1OF1	p30943_1	20/08/2012	p30943_1.cpl	NO
072	wi00968531	ISS1:1OF1	p31645_1	20/08/2012	p31645_1.cpl	NO
073	wi00895181	ISS1:1OF1	p31106_1	20/08/2012	p31106_1.cpl	NO
074	wi00973241	ISS1:1OF1	p31715_1	20/08/2012	p31715_1.cpl	NO
075	wi00948931	ISS1:1OF1	p31407_1	20/08/2012	p31407_1.cpl	NO
076	wi00968157	ISS1:1OF1	p31637_1	20/08/2012	p31637_1.cpl	NO
077	wi00871969	ISS1:1OF1	p30768_1	20/08/2012	p30768_1.cpl	NO
078	wi00967510	ISS1:1OF1	p31147_1	20/08/2012	p31147_1.cpl	NO
079	wi00891626	ISS1:1OF1	p31051_1	20/08/2012	p31051_1.cpl	YES
080	wi00946558	ISS1:1OF1	p31358_1	20/08/2012	p31358_1.cpl	NO
081	wi00839821	ISS1:1OF1	p30619_1	20/08/2012	p30619_1.cpl	NO
082	WI00839794	ISS1:1OF1	p28647_1	20/08/2012	p28647_1.cpl	NO
083	WI00843571	ISS1:1OF1	p30627_1	20/08/2012	p30627_1.cpl	NO
084	wi00856991	ISS1:1OF1	p17588_1	20/08/2012	p17588_1.cpl	NO
085	wi00842409	ISS1:1OF1	p30621_1	20/08/2012	p30621_1.cpl	NO
086	wi00927321	ISS1:1OF1	p31286_1	20/08/2012	p31286_1.cpl	YES
087	wi00974272	ISS1:1OF1	p31690_1	20/08/2012	p31690_1.cpl	YES
088	wi00880386	ISS1:1OF1	p30977_1	20/08/2012	p30977_1.cpl	NO
089	wi00865477	ISS1:1OF1	p30896_1	20/08/2012	p30896_1.cpl	YES
090	wi00838073	ISS1:1OF1	p30588_1	20/08/2012	p30588_1.cpl	NO
091	wi00965838	ISS1:1OF1	p31623_1	20/08/2012	p31623_1.cpl	NO
092	wi00879526	ISS1:1OF1	p31007_1	20/08/2012	p31007_1.cpl	NO
093	wi00958682	ISS1:1OF1	p31540_1	20/08/2012	p31540_1.cpl	NO
094	wi00969581	ISS1:1OF1	p31661_1	20/08/2012	p31661_1.cpl	YES
095	wi00973858	ISS1:1OF1	p31691_1	20/08/2012	p31691_1.cpl	NO
096	wi00946282	ISS1:1OF1	p31204_1	20/08/2012	p31204_1.cpl	NO
097	wi00863876	ISS1:1OF1	p30787_1	20/08/2012	p30787_1.cpl	NO

098	wi00908933	ISS1:1OF1	p31239_1	20/08/2012	p31239_1.cpl	NO
099	wi00856702	ISS1:1OF1	p30573_1	20/08/2012	p30573_1.cpl	NO
100	wi00975133	ISS1:1OF1	p31731_1	20/08/2012	p31731_1.cpl	NO
101	wi00932948	ISS1:1OF1	p31077_1	20/08/2012	p31077_1.cpl	NO
102	wi00969208	ISS1:1OF1	p31656_1	20/08/2012	p31656_1.cpl	NO
103	WI00836292	ISS1:1OF1	p30554_1	20/08/2012	p30554_1.cpl	NO
104	wi00908598	ISS1:1OF1	p31235_1	20/08/2012	p31235_1.cpl	NO
105	wi00880836	ISS1:1OF1	p30976_1	20/08/2012	p30976_1.cpl	NO
106	WI00854150	ISS1:1OF1	p30468_1	20/08/2012	p30468_1.cpl	NO
107	wi00894243	ISS1:1OF1	p31087_1	20/08/2012	p31087_1.cpl	NO
108	wi00877592	ISS1:1OF1	p30880_1	20/08/2012	p30880_1.cpl	NO
109	wi00871739	ISS1:1OF1	p30856_1	20/08/2012	p30856_1.cpl	NO
110	wi00688381	ISS1:1OF1	p30104_1	20/08/2012	p30104_1.cpl	NO
111	wi00955753	ISS1:1OF1	p31733_1	20/08/2012	p31733_1.cpl	NO
112	wi00850521	ISS1:1OF1	p30709_1	20/08/2012	p30709_1.cpl	YES
113	wi00932204	ISS2:1OF1	p31305_2	20/08/2012	p31305_2.cpl	NO
114	wi00906022	ISS1:1OF1	p31202_1	20/08/2012	p31202_1.cpl	NO
115	wi00860279	ISS1:1OF1	p30789_1	20/08/2012	p30789_1.cpl	NO
116	wi00959457	ISS1:1OF1	p31551_1	20/08/2012	p31551_1.cpl	NO
117	wi00852389	ISS1:1OF1	p30641_1	20/08/2012	p30641_1.cpl	NO
118	wi00941500	ISS1:1OF1	p31394_1	20/08/2012	p31394_1.cpl	NO
119	wi00834382	ISS1:1OF1	p30548_1	20/08/2012	p30548_1.cpl	NO
120	wi00883604	ISS1:1OF1	p30973_1	20/08/2012	p30973_1.cpl	NO
121	wi00921295	ISS1:1OF1	p31265_1	20/08/2012	p31265_1.cpl	NO
122	wi00946876	ISS1:1OF1	p31430_1	20/08/2012	p31430_1.cpl	NO
123	wi00909476	ISS1:1OF1	p31340_1	20/08/2012	p31340_1.cpl	NO
124	wi00923899	ISS1:1OF1	p31270_1	20/08/2012	p31270_1.cpl	NO
125	wi00856410	ISS1:1OF1	p30749_1	20/08/2012	p30749_1.cpl	NO
126	wi00859499	ISS1:1OF1	p30694_1	20/08/2012	p30694_1.cpl	NO
127	wi00951837	ISS1:1OF1	p31485_1	20/08/2012	p31485_1.cpl	NO
128	wi00978883	ISS1:1OF1	p31770_1	20/08/2012	p31770_1.cpl	NO
129	wi00950575	ISS1:1OF1	p31724_1	20/08/2012	p31724_1.cpl	NO
130	wi00869695	ISS1:1OF1	p30654_1	20/08/2012	p30654_1.cpl	NO
131	wi00899584	ISS1:1OF1	p30809_1	20/08/2012	p30809_1.cpl	NO
132	wi00891621	ISS1:1OF1	p31037_1	20/08/2012	p31037_1.cpl	NO
133	wi00969039	ISS1:1OF1	p31643_1	20/08/2012	p31643_1.cpl	NO
134	wi00942734	ISS1:1OF1	p31409_1	20/08/2012	p31409_1.cpl	NO
135	wi00865477	ISS1:1OF1	p30893_1	20/08/2012	p30893_1.cpl	YES
136	wi00930649	ISS1:1OF1	p31570_1	20/08/2012	p31570_1.cpl	NO
137	wi00841273	ISS1:1OF1	p30713_1	20/08/2012	p30713_1.cpl	NO
138	wi00826075	ISS1:1OF1	p30452_1	20/08/2012	p30452_1.cpl	NO
139	wi00959463	ISS1:1OF1	p31528_1	20/08/2012	p31528_1.cpl	NO
140	wi00929140	ISS1:1OF1	p31284_1	20/08/2012	p31284_1.cpl	NO
141	wi00824257	ISS1:1OF1	p30447_1	20/08/2012	p30447_1.cpl	NO
142	WI00836334	ISS1:1OF1	p30481_1	20/08/2012	p30481_1.cpl	NO
143	wi00936714	ISS1:1OF1	p31379_1	20/08/2012	p31379_1.cpl	NO
144	wi00903381	ISS1:1OF1	p30421_1	20/08/2012	p30421_1.cpl	NO
145	wi00839134	ISS1:1OF1	p30698_1	20/08/2012	p30698_1.cpl	YES
146	wi00962557	ISS1:1OF1	p31581_1	20/08/2012	p31581_1.cpl	NO
147	wi00853178	ISS1:1OF1	p30719_1	20/08/2012	p30719_1.cpl	NO
148	WI00928455	ISS1:1OF1	p31297_1	20/08/2012	p31297_1.cpl	NO
149	wi00903437	ISS1:1OF1	p31167_1	20/08/2012	p31167_1.cpl	NO
150	wi00884699	ISS1:1OF1	p31000_1	20/08/2012	p31000_1.cpl	YES
151	wi00932958	ISS1:1OF1	p31115_1	20/08/2012	p31115_1.cpl	NO
152	wi00896420	ISS1:1OF1	p30867_1	20/08/2012	p30867_1.cpl	NO

153	wi00865477	ISS1:1OF1	p30894_1	20/08/2012	p30894_1.cpl	YES
154	wi00925141	ISS1:1OF1	p30802_1	20/08/2012	p30802_1.cpl	NO
155	wi00857362	ISS1:1OF1	p30782_1	20/08/2012	p30782_1.cpl	NO
156	wi00956788	ISS1:1OF1	p31638_1	20/08/2012	p31638_1.cpl	NO
157	wi00924886	ISS1:1OF1	p31062_1	20/08/2012	p31062_1.cpl	YES
158	wi00854415	ISS1:1OF1	p30593_1	20/08/2012	p30593_1.cpl	NO
159	wi00930864	ISS1:1OF1	p31325_1	20/08/2012	p31325_1.cpl	NO
160	wi00968448	ISS1:1OF1	p31648_1	20/08/2012	p31648_1.cpl	YES
161	wi00962955	ISS1:1OF1	p31585_1	20/08/2012	p31585_1.cpl	NO
162	wi00977393	ISS1:1OF1	p31744_1	20/08/2012	p31744_1.cpl	YES
163	wi00868729	ISS1:1OF1	p31163_1	20/08/2012	p31163_1.cpl	NO
164	wi00951427	ISS1:1OF1	p31478_1	20/08/2012	p31478_1.cpl	NO
165	wi00894443	ISS1:1OF1	p31093_1	20/08/2012	p31093_1.cpl	NO
166	wi00956885	ISS1:1OF1	p31489_1	20/08/2012	p31489_1.cpl	NO
167	wi00968353	ISS1:1OF1	p31412_1	20/08/2012	p31412_1.cpl	NO
168	wi00836182	ISS1:1OF1	p30450_1	20/08/2012	p30450_1.cpl	NO
169	wi00961267	ISS1:1OF1	p30288_1	20/08/2012	p30288_1.cpl	NO
170	wi00907707	ISS1:1OF1	p31228_1	20/08/2012	p31228_1.cpl	NO
171	wi00965285	ISS1:1OF1	p31476_1	20/08/2012	p31476_1.cpl	NO
172	wi00903369	ISS1:1OF1	p31165_1	20/08/2012	p31165_1.cpl	NO
173	wi00936935	ISS1:1OF1	p31362_1	20/08/2012	p31362_1.cpl	NO
174	wi00900766	ISS1:1OF1	p31159_1	20/08/2012	p31159_1.cpl	NO
175	wi00943748	ISS1:1OF1	p31516_1	20/08/2012	p31516_1.cpl	NO
176	wi00882293	ISS1:1OF1	p31010_1	20/08/2012	p31010_1.cpl	NO
177	wi00953900	ISS1:1OF1	p31494_1	20/08/2012	p31494_1.cpl	NO
178	wi00949410	ISS1:1OF1	p31248_1	20/08/2012	p31248_1.cpl	NO
179	wi00975659	ISS1:1OF1	p31707_1	20/08/2012	p31707_1.cpl	NO
180	wi00946477	ISS1:1OF1	p31426_1	20/08/2012	p31426_1.cpl	NO

**Avaya Communication Server 1000E Peripheral Software Version (PSWV) data**

PSWV VERSION: PSWV 100  
LCRI: VERSION NUMBER: AA02  
XNET: VERSION NUMBER: AC23  
XPEC: VERSION NUMBER: AC43  
FNET: VERSION NUMBER: AA07  
FPEC: VERSION NUMBER: AA08  
MSDL: VERSION NUMBER: AJ73  
SDI: VERSION NUMBER: AH51  
DCH: VERSION NUMBER: AA72  
AML: VERSION NUMBER: AK81  
BRIL: VERSION NUMBER: AK83  
BRIT: VERSION NUMBER: AK82  
MISP: VERSION NUMBER: AJ71  
MPH: VERSION NUMBER: AH51  
BRSC: VERSION NUMBER: AJ71  
BBRI: VERSION NUMBER: AH54  
PRIE: VERSION NUMBER: AA87  
BRIE: VERSION NUMBER: AK89  
ISIG: VERSION NUMBER: AA33  
SWE1: VERSION NUMBER: BA53  
UKG1: VERSION NUMBER: BA51  
AUS1: VERSION NUMBER: BA49  
DEN1: VERSION NUMBER: BA48  
FIN1: VERSION NUMBER: BA49  
GER1: VERSION NUMBER: BA54

ITA1: VERSION NUMBER: AA54  
NOR1: VERSION NUMBER: BA49  
POR1: VERSION NUMBER: BA49  
DUT1: VERSION NUMBER: BA50  
EIR1: VERSION NUMBER: BA49  
SWI1: VERSION NUMBER: BA53  
BEL1: VERSION NUMBER: BA49  
SPA1: VERSION NUMBER: BA51  
NET1: VERSION NUMBER: BA48  
FRA1: VERSION NUMBER: BA52  
CIS1: VERSION NUMBER: BA48  
ETSI: VERSION NUMBER: BA48  
E403: VERSION NUMBER: BA07  
N403: VERSION NUMBER: BA05  
JTTC: VERSION NUMBER: AC08  
TCNZ: VERSION NUMBER: AA13  
AUBR: VERSION NUMBER: AA14  
AUPR: VERSION NUMBER: AA04  
HKBR: VERSION NUMBER: AA06  
HKPR: VERSION NUMBER: AA08  
SING: VERSION NUMBER: AA15  
THAI: VERSION NUMBER: AA07  
NI02: VERSION NUMBER: AA26  
T1IS: VERSION NUMBER: AA10  
T1ES: VERSION NUMBER: AA09  
ESGF: VERSION NUMBER: AC30  
ISGF: VERSION NUMBER: AC31  
ESGFTI: VERSION NUMBER: AC29  
ISGFTI: VERSION NUMBER: AC31  
INDO: VERSION NUMBER: AA06  
JAPN: VERSION NUMBER: AA16  
MSIA: VERSION NUMBER: AA04  
CHNA: VERSION NUMBER: AA04  
INDI: VERSION NUMBER: AA03  
PHLP: VERSION NUMBER: AA02  
TAIW: VERSION NUMBER: AA03  
EAUS: VERSION NUMBER: AA02  
EGF4: VERSION NUMBER: AC14  
DCH3: VERSION NUMBER: AA10  
PUP3: VERSION NUMBER: AA14  
T1E1: VERSION NUMBER: AA19  
DITI: VERSION NUMBER: AA40  
CLKC: VERSION NUMBER: AA20  
3902: VERSION NUMBER: AA84  
3903: VERSION NUMBER: AA91  
3904: VERSION NUMBER: AA94  
3905: VERSION NUMBER: AA94  
MGC, MGX and MGS:  
CSP VERSION: MGCC CD01  
MSP VERSION: MGCM AB01  
APP VERSION: MGCA BA07  
FPGA VERSION: MGCF AA18  
BOOT VERSION: MGCB BA07  
DSP1 VERSION: DSP1 AB03  
DSP2 VERSION: DSP2 AB03

DSP3 VERSION: DSP3 AB03  
 DSP4 VERSION: DSP4 AB01  
 DSP5 VERSION: DSP5 AA01  
 UDT VERSION NUMBER: AA42

**Signaling server and Linux Patches**

In System service updates: 22

PATCH#	IN_SERVICE	DATE	SPECINS	MOVABLE	NAME
0	Yes	27/04/12	NO	YES	cs1000-baseWeb-7.50.17.16-1.i386.001
1	Yes	27/04/12	NO	YES	cs1000-patchWeb-7.50.17.16-4.i386.000
2	Yes	30/04/12	NO	YES	cs1000-vtrk-7.50.17.16-46.i386.000
3	Yes	01/05/12	NO	YES	cs1000-kcv-7.50.17.16-1.i386.000
4	Yes	31/03/11	NO	YES	cs1000-dbcom-7.50.17-02.i386.000
5	Yes	02/05/12	NO	YES	ipsec-tools-0.6.5-14.e15.3_avaya_1.i386.000
7	Yes	01/05/12	NO	YES	cs1000-shared-pbx-7.50.17.16-1.i386.000
8	Yes	01/05/12	NO	YES	cs1000-bcc-7.50.17.16-51.i386.000
9	Yes	30/04/12	NO	YES	cs1000-ftrpkg-7.50.17.16-9.i386.000
10	Yes	27/04/12	NO	YES	cs1000-linuxbase-7.50.17.16-07.i386.000
11	Yes	30/04/12	NO	YES	cs1000-sps-7.50.17.16-4.i386.000
12	Yes	30/04/12	NO	YES	cs1000-csmWeb-7.50.17.16-3.i386.000
13	Yes	30/04/12	NO	YES	cs1000-mscAnnc-7.50.17.16-1.i386.000
14	Yes	01/05/12	NO	YES	cs1000-mscTone-7.50.17.16-1.i386.000
15	Yes	01/05/12	NO	YES	cs1000-mscMusc-7.50.17.16-2.i386.000
16	Yes	01/05/12	NO	YES	cs1000-dmWeb-7.50.17.16-2.i386.000
17	Yes	01/05/12	NO	YES	cs1000-ipsec-7.50.17.16-1.i386.000
18	Yes	01/05/12	NO	YES	cs1000-tps-7.50.17.16-13.i386.000
19	Yes	01/05/12	NO	YES	cs1000-emWeb_6-0-7.50.17.16-19.i386.000
20	Yes	02/05/12	NO	YES	spiritAgent-6.1-1.0.0.108.208.i386.000
21	Yes	02/05/12	NO	YES	cs1000-EmCentralLogic-7.50.17.16-1.i386.000
22	Yes	02/05/12	NO	YES	cs1000-Jboss-Quantum-7.50.17.16-16.i386.000

Product Release: 7.50.17.00

Base Applications

base	7.50.17	[patched]
NTAFS	7.50.17	
sm	7.50.17	
cs1000-Auth	7.50.17	
Jboss-Quantum	7.50.17	[patched]
lhmonitor	7.50.17	
baseAppUtils	7.50.17	[patched]
dfoTools	7.50.17	
nnm	7.50.17	
cppmUtil	7.50.17	
oam-logging	7.50.17	[patched]
dmWeb	n/a	[patched]
baseWeb	n/a	[patched]
ipsec	n/a	[patched]
Snmp-Daemon-TrapLib	7.50.17	
ISECSH	7.50.17	
patchWeb	n/a	[patched]
EmCentralLogic	n/a	[patched]

Application configuration: CS+SS+EM

Packages:



```
CS+SS+EM
Configuration version:      7.50.17-00
cs                          7.50.17
dbcom                       7.50.17 [patched]
cslogin                     7.50.17
sigServerShare              7.50.17 [patched]
csv                         7.50.17
tps                         7.50.17.16 [patched]
vtrk                       7.50.17.16 [patched]
pd                          7.50.17
sps                         7.50.17.16 [patched]
ncs                         7.50.17
gk                          7.50.17
EmConfig                   7.50.17
emWeb_6-0                   7.50.17 [patched]
emWebLocal_6-0             7.50.17
csmWeb                     7.50.17 [patched]
bcc                         7.50.17 [patched]
ftrpkg                     7.50.17 [patched]
cs1000WebService_6-0      7.50.17
managedElementWebService  7.50.17
mscAnnC                    7.50.17.16 [patched]
mscAttn                    7.50.17
mscConf                    7.50.17
mscMusc                    7.50.17.16 [patched]
mscTone                    7.50.17.16 [patched]
```

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