

HiPath 3000/5000

Technical Bulletin No. 108

Release of HiPath 3000/5000 V8

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1 Introduction

HiPath 3000 V8 is a software only release based on the existing V5.0 hardware platform.

HiPath 5000 RSM V8 is also available but is currently not yet released in the UK. HiPath 5000 ComScendo Service (PCS) is no longer available as of V8.

In addition, OpenScope Office V2 is released with HiPath 3000 V8. OpenScope Office V2 is a unified communications solution for HiPath 3000 based on a Linux PC server. The application is based on the HiPath OpenOffice ME V1 MR4 OpenScope Office application suite (with some restrictions in comparison) with the addition of the contact centre and myAgent client.

A 3-day update classroom instructor lead training course (HP3EV8U) is available for existing HiPath 3000 V7 trained engineers. For engineers not trained on HiPath 3000 a full course is also available for HiPath 3000 V8.

This document will provide an overview of the new features of HiPath 3000 V8 and the method of upgrading from HiPath 3000 V1.2, V3.0, V4.0, V5.0, V6.0 and V7. This document will also include important supplemental information not provided on the official training course.

This document is **NOT** a substitute for the official training provided by Siemens Enterprise Communications Ltd.

IMPORTANT PLEASE NOTE *The following are no longer supported from HiPath 3000 V7:*

HiPath 3700
 HiPath 3750
 optiPoint 400 economy
 optiPoint 400 standard
 optiPoint 600 office (IP mode)
 BS2/2 Base Station
 HiPath optiClient Attendant V7.0

IMPORTANT PLEASE NOTE *optiset E telephones, adapters and modules have 'Conditional Support' from HiPath 3000 V7.*

optiset E telephones, adapters and modules have been declared obsolete and reached milestone M44 on 15/9/2003. Since the launch of HiPath 3000 V7 development no longer test the software for correct operation with optiset E telephones. Only optiPoint 500 and OpenStage T telephones are used for testing. Therefore optiset E telephones, adapters and modules only have 'conditional support' from HiPath 3000 V7. However, as optiset E and optiPoint 500 / OpenStage T telephones share the same U_{PO/E} interface to the system, optiset E telephones, adapters and modules are likely to perform flawlessly in practice.

The following examples will help to explain the meaning of 'Conditional Support' as follows:

#1 *A customer has a fault that requires escalation to development and the system has optiset E telephones, adapters or modules installed. We can escalate the problem as long as the fault is **NOT DIRECTLY** related to an optiset E telephone, adapter or module. This fault will be dealt with without any mention of replacing the optiset E telephones.*

#2 *A customer has a fault that requires escalation to development and the system has optiset E telephones, adapters or modules installed. If the fault is **DIRECTLY** related to an optiset E telephone, adapter or module then we cannot escalate the problem without first substituting the optiset E telephone with an equivalent optiPoint 500 / OpenStage T model and retesting the problem scenario e.g. If the problem is directly related to an optiset E entry, this must first be replaced with the nearest equivalent*

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model of optiPoint 500 / OpenStage T telephone (e.g. an optiPoint 500 entry) to see if the fault is still apparent, if so, the fault can be escalated. This testing may be able to be performed in our lab facility if the problem is easy to reproduce, otherwise it is up to the reseller to supply the optiPoint 500 / OpenStage T telephone and test the scenario on-site.

There is still no absolute guarantee that any software fix provided by development will also resolve the problem on the original optiset E telephone, although it is likely. If the problem then only occurs on the optiset E telephone, it must be replaced with an optiPoint 500 / OpenStage T equivalent at the reseller's expense.

#3 A customer has a problem on a legacy system (e.g. HiPath 3550 V5.0) that has optiset E telephones, adapters or modules installed. The problem may or may not be directly related to one of these telephones (e.g. system restarting). After calling the TAC it is decided that the problem is fixed in HiPath 3550 V8 software. After upgrading the system software to V8 a fault is apparent that is directly related to an optiset E telephone, adapter or module. After investigation it is decided that the fault must be escalated to development in Germany. The same rule applies as in example #2 above i.e. the telephone must be replaced with an equivalent optiPoint 500 / OpenStage T model to see if the fault is still apparent.

NOTE #1 'Conditional Support' only applies to problems that need to be escalated to development; it does not affect access to TAC. The TAC will always assist in diagnosing a problem directly relating to optiset E telephones, adapters and modules. However, if it is proved that the problem is solved by replacing the optiset E telephone, adapter or module with an equivalent optiPoint 500 / OpenStage T model, the cost of replacement **MUST** be borne by the reseller.

2 Licensing

2.1 Licensing HiPath 3000 V8

The HiPath 3000 V8 license concept is the same as for HiPath 3000 V7. When generating a license on the CLS make sure that the system type is HiPath 3000 V8.

NOTE #2 When upgrading a HiPath 3000 V5.0, V6.0 or V7 system to V8 the license **MUST** also be upgraded to HiPath 3000 V8 on the CLS. Unlike previous versions this upgrade is **NOT** free, an upgrade license **MUST** be purchased for a nominal fee. The resultant new license file **MUST** be downloaded and used to license the HiPath 3000 V8 system. A license file for HiPath 3000 V5.0, V6.0 or V7 will simply be ignored by the HiPath 3000 V8 system even if the MAC address is correct.

NOTE #3 On HiPath 3000 V5.0 to V7 the following cards were supplied with 2 B-channels:

HXGS3 (HiPath HG1500)
HXGR3 (HiPath HG1500)
STM12
TS2 (identified as TS2N in HiPath 3000 Manager E)
TS2R (identified as TS2N in HiPath 3000 Manager E)
DIUN2 (first interface **ONLY**)

These B-channels were supported internally on the system but are **NOT** displayed on the CLS. From HiPath 3000 V8 these cards will **NOT** have any B-channels licensed within the system. Consequently **ALL** B-channels **MUST** be assigned on the CLS.

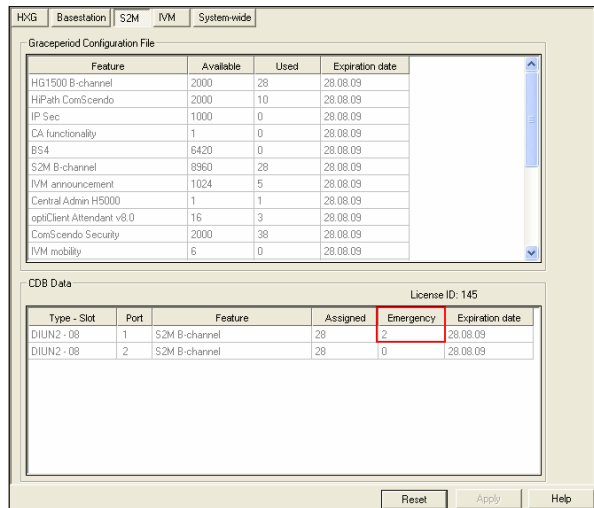
When upgrading from HiPath 3000 V7 to V8 **ONLY** the licenses which are listed on the CLS are converted. This results in a loss of 2 B-channels per card after the upgrade.

To compensate for this loss of assigned B-channels the sales upgrade packages will have extra licenses assigned (8 x HiPath HG1500 B-channels for HXGM3, HXGR3 and STM12 and 4 x primary rate B-channels for TS2N and DIUN2) from August 2009. This will ensure that customers are not worse-off after the upgrade.

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This does **NOT** affect the 'Default License' value that applies if a 30-day grace period license has either not been started or the 30-day grace period license has ended and the system has not been fully licensed, this is the same as HiPath 3000 V5.0 to V7. Using HiPath 3000 Manager E V8 the number of B-channels available in a 'Default License' situation can now be seen under the heading 'Emergency' using the **Licensing...** link in the left-hand pane. On HiPath 3000 V5.0 to V7 systems this is still labelled as 'Base' because these systems still have the extra 'internal' licenses available.



2.2 Licensing HiPath 5000 V8 (Not Currently Released in the UK)

HiPath 5000 RSM V8 requires a license to run beyond the 30-day grace period. This license **MUST** be purchased. On the CLS the **Feature** name for this license is 'H3000 V8 Central Admin H5000'. In HiPath 3000 Manager E the **Feature** is identified as 'Central Admin H5000', this can be seen by clicking on the **Licensing...** link in the left-hand pane and selecting the **System-wide** tab in the right-hand pane.

NOTE #4 HiPath 5000 RSM V8 **CANNOT** be run using a 30-day grace period license if the systems are already fully licensed.

All licenses in a HiPath 5000 RSM network are tied to the control board MAC address of Node 1. Any existing licenses for **ALL** other nodes must be moved using the **Shift Licenses** feature on the CLS to the control board MAC address of Node 1 together with the HiPath 5000 RSM V8 license. The new license file must be downloaded from the CLS and imported into License Management on the HiPath 5000 RSM Server.

2.3 Licensing OpenScope Office V2

OpenScope Office V2 is licensed as part of the HiPath 3000/5000 V8 system using HiPath 3000 Manager E V8. OpenScope Office V2 licenses can be seen under the **System-wide** tab after clicking on the **Licensing...** link in the left-hand pane of HiPath 3000 Manager E V8.

As with the main HiPath 3000/5000 system it is possible to start a 30-day grace period for **ALL** OpenScope Office V2 features/components. However, if the HiPath 3000/5000 V8 system is already licensed it is **NOT** possible to start a separate 30-day grace period for any OpenScope Office V2 features/components.

The following license packages are available for OpenScope Office V2:

- L30250-U622-B378 - OpenScope Office V2 Basic License Package, includes 10 OpenScope Office V2 standard licenses (10 myPortal licenses with Fax, e-mail, presence and Voicemail)
- L30250-U622-B379 - OpenScope Office V2 Contact Center Basic License Package, includes 4 myAgent licenses

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- L30250-U622-B508 – 100 x OpenScape Office V2 Standard User licenses (myPortal)
- L30250-U622-B509 – 100 x OpenScape Office V2 myPortal for Outlook licenses

The following individual licenses are also available:

- L30250-U622-B360 - OpenScape Office V2 Standard User License (myPortal) (1 to 384)
- L30250-U622-B361 - OpenScape Office V2 myPortal for Outlook license (1 to 384)
- L30250-U622-B362 - OpenScape Office V2 myAttendant license (1 to 20)
- L30250-U622-B372 - OpenScape Office V2 myReports license (1 per system) (from MR2 software)
- L30250-U622-B363 - OpenScape Office V2 myAgent license (1 to 64)
- L30250-U622-B365 - OpenScape Office V2 Contact Center Fax license (1 per system)
- L30250-U622-B366 - OpenScape Office V2 Contact Center E-Mail license (1 per system)

3 New Features / Changes

3.1 OpenScape Office V2

OpenScape Office offers convenient user interfaces together with unified communications. OpenScape Office V2 includes the myPortal, myPortal for Outlook and myAttendant applications already available on HiPath OpenOffice ME V1. In addition, a contact centre is available together with the associated myAgent application (The contact centre is **ONLY** supported on HiPath 3800 V8).

NOTE #5 *OpenScape Office V2 is **ONLY** supported on standalone HiPath 3000 systems.*

NOTE #6 *The integrated 'MeetMe' conferencing available on HiPath OpenOffice ME is **NOT** supported with OpenScape Office.*

NOTE #7 *As OpenScape Office has a built-in Voicemail system it is **NOT** possible to use HiPath Xpressions Compact or HiPath Entry VoiceMail to provide Voicemail in parallel. HiPath 3000 only supports **ONE** active Voicemail system.*

3.1.1 Contact Center

The Contact Center provides intelligent routing of voice calls, fax calls and e-mails. High performance functionality for the configuration of queues, schedules and call wrap-up enable the optimum utilisation of available resources.

Agent rights can be configured via user profiles. Reporting provides real time and historical statistical information regarding the Contact Center activities and performance.

NOTE #8 *Due to the increased traffic expected in a call centre environment, the OpenScape Office Contact Center is **ONLY** released for connection to the HiPath 3800 platform.*

The OpenScape Office Contact Center has the following maximum capacities:

- 64 Agents
- 64 Supervisors
- 50 Groups
- 50 Queues

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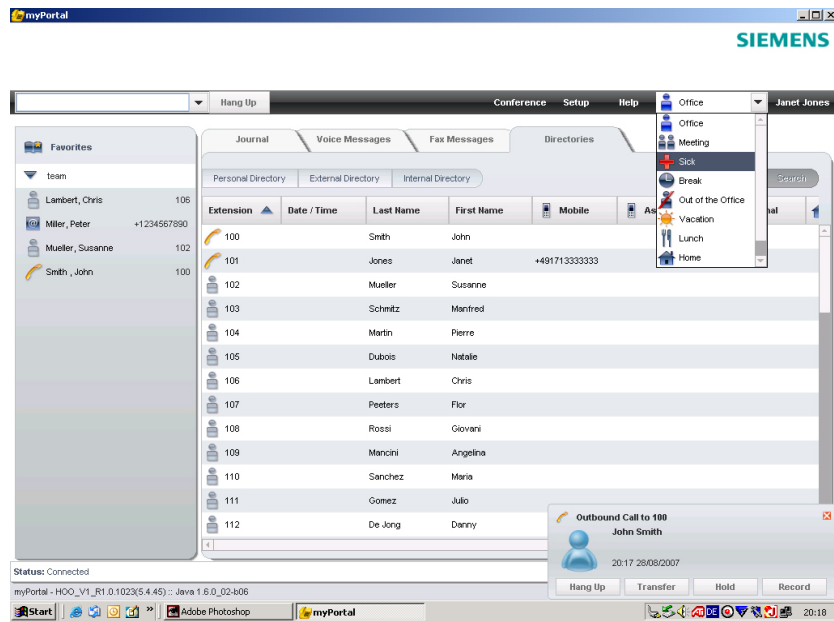
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3.1.2 OpenScope Office Client Applications

OpenScope Office includes the following applications:

3.1.2.1 myPortal

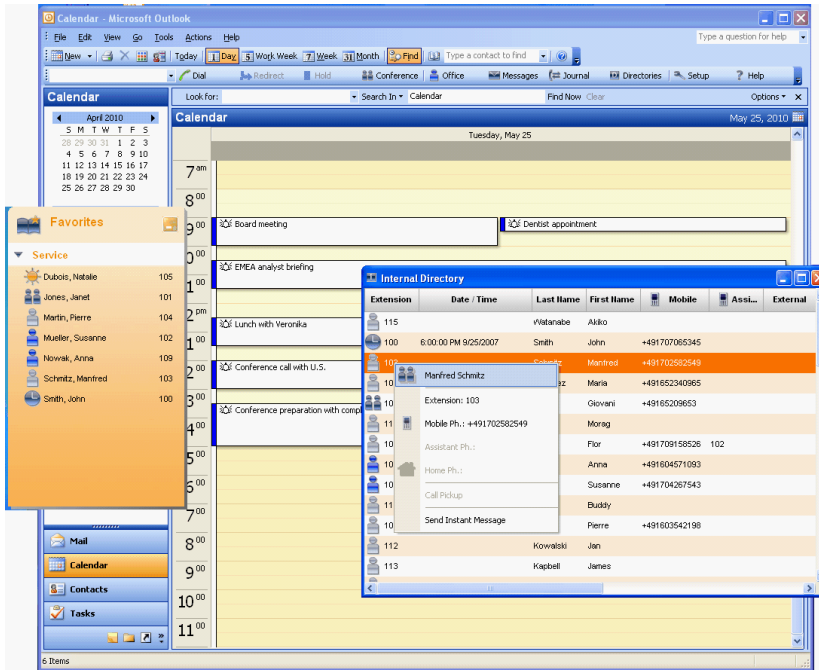
This is a user portal for accessing unified communication functions. Apart from information on presence status, convenient dialling aids via favourites and phone directories, subscribers can easily initiate conferences and also access Voicemail and faxes.



3.1.2.2 myPortal for Outlook

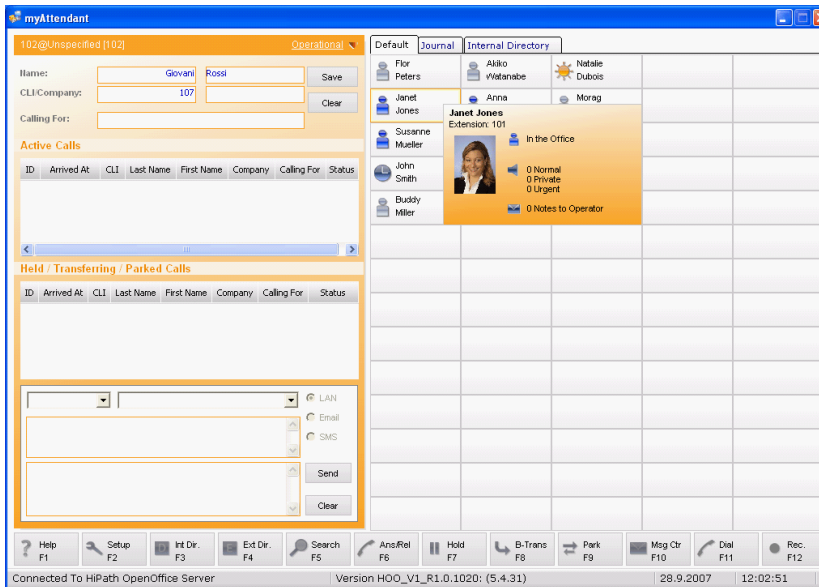
This applet integrates the unified communication functions of myPortal within Microsoft Outlook. In addition, myPortal for Outlook offers a desktop dialler and e-mail notification.

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3.1.2.3 myAttendant

The myAttendant application offers selected subscribers a user-friendly attendant console, including presence status.

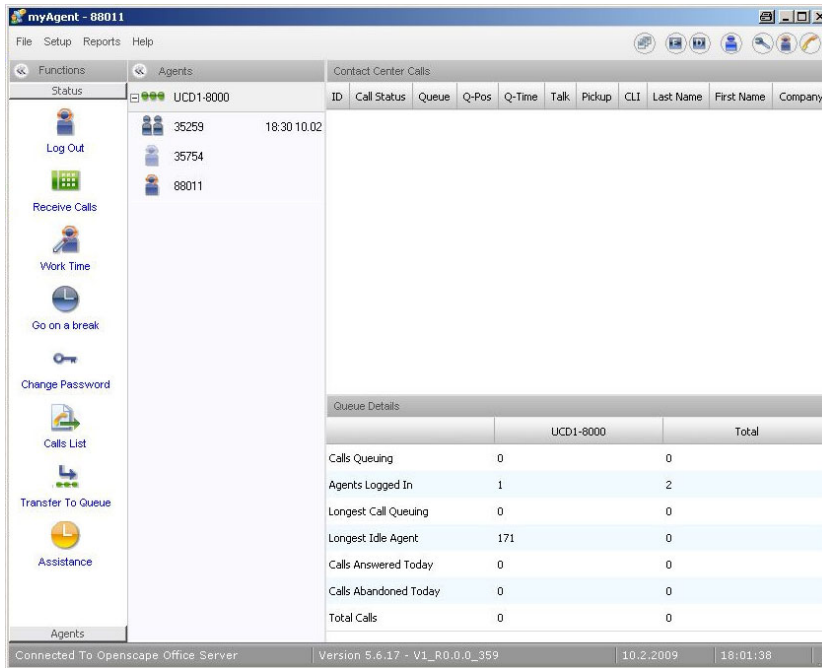


3.1.2.4 myAgent

The myAgent application is only available as part of the Contact Center and is used by agents, supervisors and administrators (user profile). Information regarding the number of waiting calls is displayed as well as the presence status of fellow agents.

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3.1.3 OpenScope Office Server

OpenScope Office is not an integral part of HiPath 3000; instead the application is installed on a separate PC server and connected to the HiPath 3000 system via the LAN using a HiPath HG1500 / STMI2 card. The Linux openSUSE 10.3 operating system and the OpenScope Office software are supplied but the PC server must be supplied by the customer/reseller.

The following PC server hardware and interface cards have been tested by Siemens Enterprise Communications Ltd and are strongly recommended:

Server Model / Specification	Installation Notes
Fujitsu Siemens Primergy TX150 S6	
Fujitsu Siemens Celsius W370	Onboard NIC not recognised by openSUSE 10.3, install a recommended NIC.
Dell PowerEdge T105: AMD Opteron 2.1 GHz 1 Gb RAM 250 Gb Hard Drive DVD-ROM Drive	
HP ProLiant ML110 Generation 5 (455948-045): Intel Xeon Processor X3210 (2.13 GHz) 1 Gb RAM 250 GB Hard Drive DVD-ROM Drive	
Network Interface Card	Installation Notes
Fujitsu Siemens D2807 Gigabit Ethernet PCIe Adapter (S26361-F3067-L30)	
Netgear GA311 Gigabit PCI Adapter	Recognised automatically by openSUSE 10.3
Netgear FA311 10/100 Mbps PCI Adapter	Recognised automatically by openSUSE 10.3
D-Link DFE-528TX 10/100 Mbps PCI Adapter	Recognised automatically by openSUSE 10.3
D-Link DGE-528T Gigabit PCI Adapter	Recognised automatically by openSUSE 10.3

NOTE #9 It is strongly recommended that the server hardware of a well known manufacturer (e.g. Fujitsu Siemens, HP, Dell) is used. Furthermore, the server hardware **MUST** support the Linux openSUSE 10.3 operating system otherwise important Linux drivers may **NOT** be available for the particular hardware.

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The OpenScape Office PC server **MUST** meet the following specifications:

Pentium Processor or equivalent (2.4 GHz or higher)
 Minimum 1 Gb RAM
 80 Gb hard disk (absolute minimum, larger recommended)
 Network card >= 100MBit/s
 DVD-ROM drive
 Internet connectivity for remote software upgrades

3.1.4 OpenScape Office connectivity to HiPath 3000

OpenScape Office is connected to HiPath 3000 via a HiPath HG1500/STMI2 card. HiPath HG1500/STMI2 B-channels are required for the transmission of the following voice messages between HiPath 3000 and OpenScape Office:

- Voicemail
- Announcements
- Call recording

The maximum number of B-channels available for communication between HiPath 3000 and OpenScape Office is 16 for HiPath 33x0/35x0 and 30 for HiPath 3800.

NOTE #10 *HiPath HG1500/STMI2 B-channels are also used by other services (whenever 'gateway' calls are conducted). This has to be considered when dimensioning an OpenScape Office solution.*

3.1.5 Terminal Support

The following table indicates which terminals can be used in conjunction with OpenScape Office:

Terminal Type	Supported
Analogue (POT) Telephone	No †
ISDN Telephone	No
DECT CMI Telephone	No †
optiPoint 410 HFA	Yes
optiPoint 420 HFA	Yes
optiPoint 500	Yes
OpenStage T	Yes
OpenStage HFA	Yes

† Planned for HiPath 3000 V8 Minor Release 3 (V8 R3.x.x)

NOTE #11 *SIP workpoints **CANNOT** be used in conjunction with OpenScape Office.*

3.2 HiPath HG1500 / STMI2 V8

HiPath HG1500 / STMI2 V8 software **MUST** be used in conjunction with HiPath 3000/5000 V8.

3.2.1 Wireshark Trace Support

HiPath HG1500 / STMI2 V8 software has integrated Wireshark rcap Daemon support. This allows a Wireshark trace to be initiated from a service PC that captures data from the HiPath HG1500 / STMI2 without the use of a hub or an Ethernet switch mirror port. This works in a similar way to the rcap Daemon on HiPath OpenOffice ME. The rcap Daemon within the HiPath HG1500 / STMI2 card forwards all data to the service PC running Wireshark. The service PC must be connected to the same subnet as the HiPath HG1500 / STMI2 card.

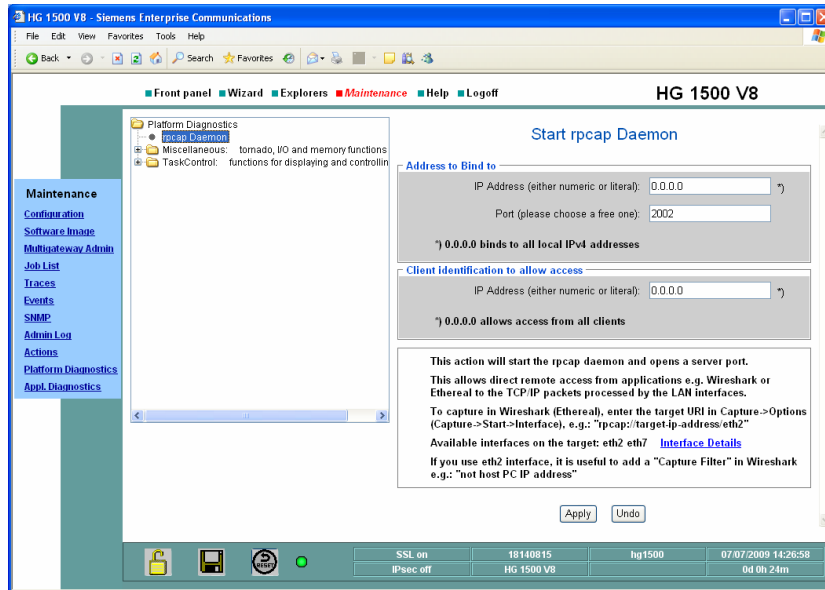
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3.2.1.1 Starting HiPath HG1500 / STMI2 V8 rpcap Daemon

Proceed as follows:

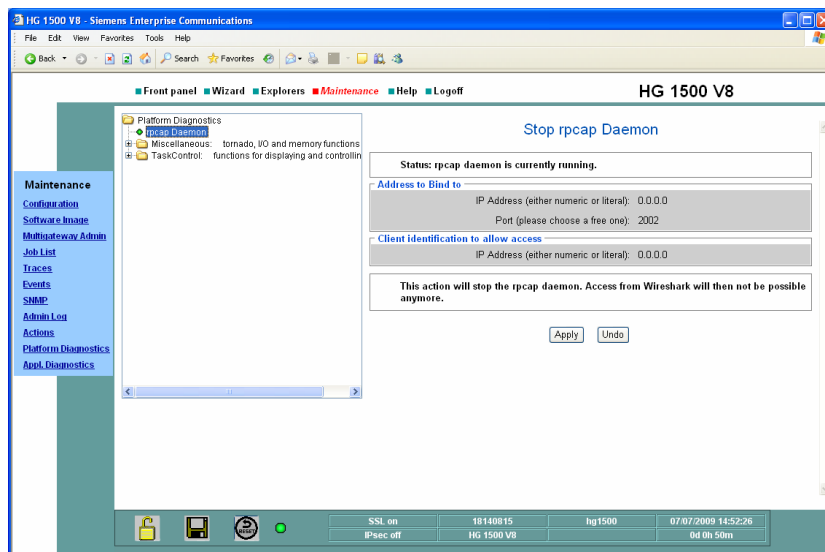
Navigate to **Maintenance > Platform Diagnostics > rpcap Daemon** in WBM. Leave the values on this page unchanged and click on the **Apply** button. Click on the **OK** button at the **Action completed successfully** dialog box.

NOTE #12 The Platform Diagnostics link is **ONLY** visible when logged-on to the HiPath HG1500 / STMI2 card using the 'Development' user group account.



NOTE #13 The information displayed on the web page regarding the interfaces available on the HiPath HG1500 / STMI2 card is incorrect. This information has been taken from HiPath OpenOffice ME. The interface **MUST** be emac0.

This will start the rpcap Daemon on HiPath HG1500 / STMI2. Click on the rpcap Daemon link again to check the status.



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3.2.1.2 Wireshark Configuration

Start Wireshark on the Service PC, select **Capture** from the top menu and click on **Options...**

In **Interface** enter the following:

rpcap://<HiPath HG1500 / STMI2 V8 IP Address>/emac0

e.g. rpcap://192.168.15.1/emac0

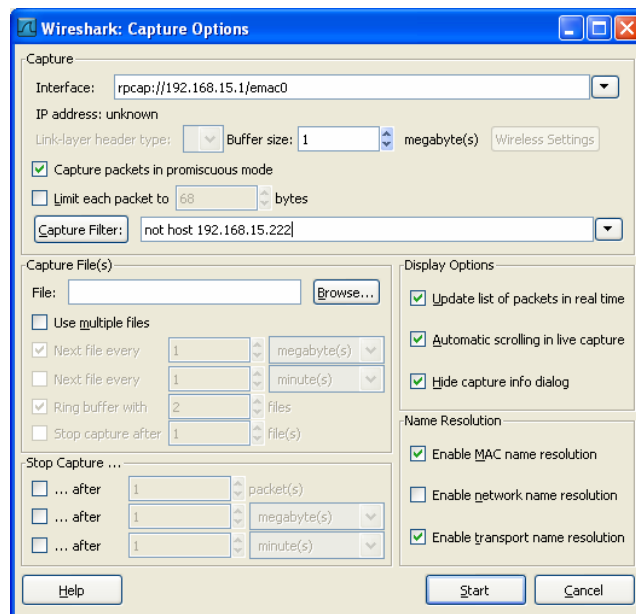
Also, it is a good idea to filter traffic to and from the service PC otherwise Wireshark can be overloaded with data causing erratic results. In **Capture Filter** : enter the following to achieve this:

not host <Service PC IP Address>

e.g. if the service PC IP address is 192.168.15.222 enter:

not host 192.168.15.222

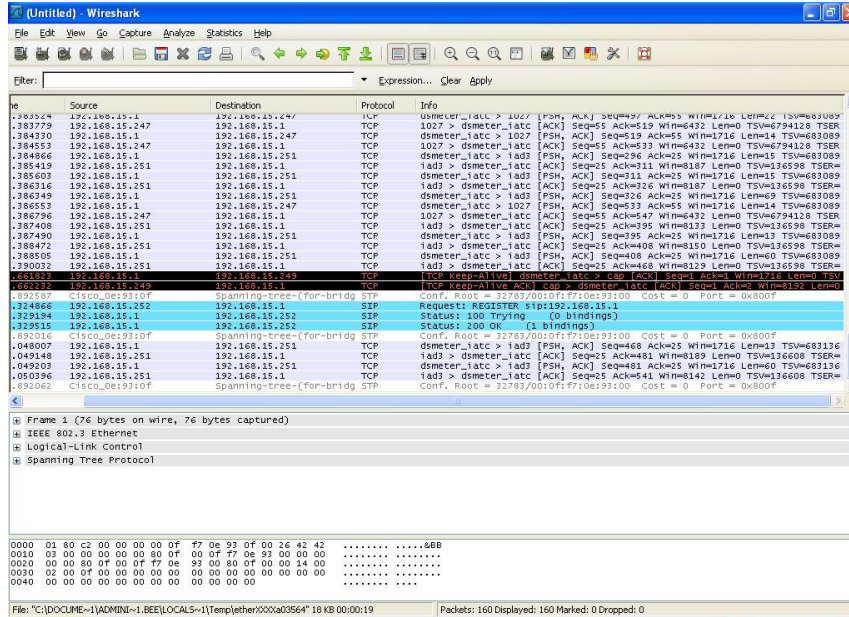
Finally click on the **Start** button.



The Wireshark trace should now be running.

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When you have reproduced the problem stop the Wireshark trace by either clicking on the stop icon or select **Capture** from the top menu and click on **Stop**. Save the capture by clicking on the save icon or select **File** from the top menu and click on **Save**.

3.2.1.3 Stopping HiPath HG1500 / STMI2 V8 rpcap Daemon

After the Wireshark trace has been captured the rpcap Daemon should be stopped. Proceed as follows:

Navigate to **Maintenance > Platform Diagnostics > rpcap Daemon** in WBM. Click on the **Apply** button. Click on the **OK** button at the **Action completed successfully** dialog box.

3.3 SIP Workpoint - MULAP Group

From HiPath 3000 V8 a SIP client/telephone is generally supported as a member of a basic or executive MULAP group. In particular, this feature is a requirement for Dual-Mode Mobility, see section 3.4.1.

3.4 HiPath Mobility Entry

As of HiPath 3000 V8 up to 100 mobile stations are supported (previously 50).

3.4.1 Dual-Mode HiPath Mobility Entry (Not Currently Released in the UK)

As of HiPath 3000 V8 the feature 'Dual-Mode Mobility' is supported in conjunction with selected Nokia E/N dual-mode GSM telephones. The SIP client within these telephones can register with the HiPath 3000 system via the integrated WLAN adapter using the customer's WLAN infrastructure.

If the dual-mode telephone is within WLAN range all incoming calls will be routed to the SIP client within the dual-mode telephone. Only when the dual-mode telephone is out of WLAN range will the system dial the GSM telephone number. Likewise, outgoing calls can be conducted via the HiPath 3000 system while in WLAN range and via the GSM network when out of WLAN range.

NOTE #14 *If the dual-mode GSM telephone leaves the WLAN area the system will not recognise this until a timeout period of 120 seconds has elapsed. During this time calls will not forward to the GSM telephone number.*

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3.4.1.1 Supported Dual-Mode GSM Telephones

The following Nokia GSM telephones are supported for Dual-Mode Mobility:

- Nokia N85
- Nokia N79
- Nokia E75

The following features are supported:


- Basic Call
- Call hold

The following Nokia GSM telephones are supported for Dual-Mode Mobility with a restricted feature set – only basic calls are supported:

- Nokia E51
- Nokia E66
- Nokia E71

NOTE #15 Siemens Enterprise Communications Ltd **DO NOT** offer technical support on the dual-mode GSM telephones. If a problem is suspected please test with an optiPoint 150 S first to prove whether the problem lies with the HiPath 3000 or the SIP client within the dual-mode GSM telephone.

3.4.1.2 HiPath 3000 Configuration

In order to allow a SIP client to be supported with the HiPath Mobility Entry feature HiPath 3000 V8 now supports a SIP client/telephone as a member of a MULAP group. The configuration required for a dual-mode GSM telephone is slightly different to the usual HiPath Mobility Entry configuration. The SIP client within the dual-mode GSM telephone is first configured as a 'SIP Client' within the HiPath 3000. The **Authentication active** flag **MUST** be checked. The SIP client station number is added to the 'Basic MULAP' group together with the system telephone. A virtual station is not required; the SIP client station number is linked to the GSM telephone number in the **Mobile Connection** table. The **Mobile Connection** table is found in the **Setup station**  object under the **Mobility Entry** tab in HiPath 3000 Manager E.

For detailed configuration instructions please refer to the HiPath 3000/5000 V8 Practical Examples manual - Issue 4.

This document is available on the HiPath 3000 Engineers' Toolkit DVD-ROM from Issue 7 and can be downloaded from eTAC (ID 14527), follow the link below:

[Where can I find practical configuration examples of common features and service tasks?](#)

3.4.1.3 Nokia E/N Series Configuration

Detailed configuration instructions for Nokia E/N series dual-mode GSM telephones can be found on the Wiki site:

http://wiki.siemens-enterprise.com/index.php/Setup_a_Nokia_Dual_Mode_Phone_as_SIP_Client_on_HiPath_Systems

3.4.2 Mobility Call-back


As of HiPath 3000 V8 the additional feature 'Mobility Call-back' is supported.

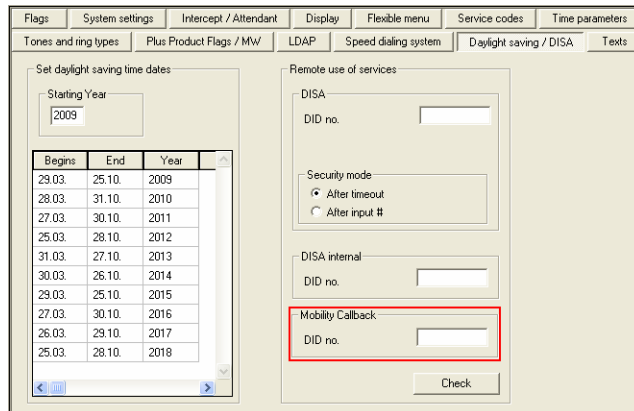
With this feature an outgoing call is initiated from the mobile station to the **Mobility Callback** DDI configured within the HiPath 3000 system. The incoming call is rejected by the HiPath 3000 without being answered. A check is made as to whether the CLI of the mobile station is configured and licensed

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in the **Mobile Connection** table; the HiPath 3000 will then call the mobile station back. The mobile station can then make an internal or external call or initiate a feature as required. Thus cellular telephone call costs are reduced.

This feature requires that the mobile station dials a **Mobility Callback** DDI number instead of the usual DISA DDI number. This is found using HiPath 3000 Manager E in the **System parameters**  object under the **Daylight saving / DISA** tab in the **Mobility Callback** area. Enter a valid DDI number in the **DID no.** box (use the **Check** button to check for conflicts).



The screenshot shows the configuration interface for HiPath 3000 Manager E. The 'Daylight saving / DISA' tab is selected. On the left, there is a table for 'Set daylight saving time dates' with columns for 'Begin', 'End', and 'Year'. The table contains data for years 2009 through 2018. On the right, the 'Remote use of services' section is visible, containing fields for 'DISA DID no.', 'Security mode' (with radio buttons for 'After timeout' and 'After input #'), 'DISA internal DID no.', and 'Mobility Callback DID no.'. The 'Mobility Callback DID no.' field is highlighted with a red box, and a 'Check' button is located below it.

3.5 HiPath Xpressions Compact V3 MR1 (V3 R1.x.x)

3.5.1 HiPath Xpressions Compact Mobility - Parallel Signalling

Previously on HiPath Xpressions Compact Mobility the mobile station was rung after the number of 'Cycles' defined in the CDL (serial call feature) because the IVM hunt group (e.g. 350) was configured as the second, third or fourth target in the CDL list.

It is now possible to call the mobile station in parallel with the system telephone. To achieve this both the system telephone and the IVM hunt group are added to a Basic MULAP group. All internal and external routing is directed to the Basic MULAP group call number. On an incoming call both the system telephone and the mobile station will be rung in parallel.

For more information and a step-by-step configuration guide for HiPath Xpressions Compact Mobility please refer to eTAC ID 14805, follow the link below:

[How do I configure / use the HiPath Mobility Entry and HiPath Xpressions Compact Mobility feature?](#)

3.5.2 Conference Server

Teleconferencing is becoming increasingly important today, since it helps save both time and costs. Whereas three-party conferences are relatively easy to set up, a conference with several participants can quickly become a cumbersome and difficult task.

HiPath 3000 V8 supports conference server functionality in conjunction with HiPath Xpressions Compact V3 MR1 software. HiPath Xpressions Compact, with its dial-in conferencing functionality, allows up to 18 participants to easily participate in a conference. The participants can dial a number to join an always open 'conference room', but can only join the conference when the conference controller is present. The conference can also be controlled via WBM in which case HiPath Xpressions Compact can call the participants one-by-one using preconfigured participant lists.

The following functions are available:

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- Opening of conference room by dialling-in from a HiPath 3000 telephone, by dialling-in from an external location or via WBM
- Self-dialling of participants into the conference room
- Optional access protection using a conference room PIN code
- Dial / add participants by consultation call or via WBM
- Consult / toggle during a conference
- Visual overview of active conference participants via WBM
- Muting of active participants via WBM
- Optionally resume conference without the conference controller
- Save unlimited number of conference groups (participant lists)
- Recording of calls if required (optionally with announcement)
- Individually selectable language for system notifications per conference

Number of participants (actual max. 0)

Free lines

Language

For dial in conference room

Conference server phone number **004989894452200**

Conference room number **100**

Conference room PIN code

Dial in allowed

<input type="checkbox"/>	Number	Type of number	Name	Status
<input type="checkbox"/>	100	Number		connected
<input type="checkbox"/>	101	Number	John Miller	disconnected
<input type="checkbox"/>	102	Number	Ian Smith	connected
<input type="checkbox"/>	01752687135	Ext. Line + Number	Susan	connected
<input type="checkbox"/>	08989450365	Ext. Line + Number	Munich	called
<input type="checkbox"/>		Number		
<input type="checkbox"/>		Number		

3.5.2.1 Prerequisites

- IVMS8N, IVMS8NR, IVMN8 or IVMNL HiPath Xpressions Compact hardware
- HiPath Xpressions Compact V3 R1.0.0 (HE300V.04.105E01) software [†]
- HiPath Xpressions Compact V3.0 English voice prompts ENG04014 or later
- ISDN2e or ISDN30e PSTN trunks **ONLY**

[†] The version listed above is the absolute minimum version supported by HiPath 3000 V8 as a platform. Always check the minimum version supported in the Release Note for the particular level of HiPath 3000 V8 software.

3.5.2.2 Licensing

The conference server feature is licensed via HiPath 3000 Manager E. One 'IVM Conference' license releases 6 IVM ports for use with the conference server feature as per the following table:

Siemens Enterprise Communications Limited Paul Spencer	Issue 2 31 July, 2009
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
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IVM Hardware	Conference Supported	Maximum	
		Conference Channels	Conferences
IVMP4	No	-	-
IVMP4R	No	-	-
IVMS8N	Yes	6	1 to 3
IVMS8NR	Yes	6	1 to 3
IVMN8	Yes	6	1 to 3
IVMNL	Yes	18	1 to 3

3.6 LCR Digit Transmission Method per Route

Currently the LCR digit transmission method is configurable as either 'Digit-by-digit' or 'en-bloc sending' as a system-wide option in the **Least cost routing**  object using HiPath 3000 Manager E.

This causes problems in mixed ISDN / ITSP environments because 'en-bloc sending' is recommended for ITSPs and 'Digit-by-digit' is recommended for ISDN.

From HiPath 3000 V8 the system-wide parameter has been removed and it is now possible to configure the LCR digit transmission method per trunk route. The **Digit transmission** selection can now be found using HiPath 3000 Manager E in the **Lines / networking**  object under the **Routes** tab.

3.7 ITSP Incoming / Outgoing Number Format Control

Different ITSPs send the calling party telephone number in different formats; this causes problems handling the caller list and the display.

From HiPath 3000 V8 a new algorithm is used to evaluate the calling party telephone number and convert the various formats to one standard format. Leading '+', '0' or '00' characters are stripped from the received DAD (Dialled Address Digit), then the rest of the number is evaluated from right to left and compared with the number stored in the HiPath HG1500/STMI2 for the ITSP and adjusted accordingly.

On an outgoing ITSP call the ITSP DDI number assigned to the station is used as the calling party number, if the station does not have an ITSP DDI number assigned the first entry with the **Default Entry** flag checked is used.

3.8 HiPath 3000 Manager C/E

HiPath 3000 Manager C V8 or later **MUST** be used with HiPath 3000/5000 V8.

The Part/Binder Numbers are as follows:

Application	Part Number	Binder Number
HiPath 3000 Manager E V8	P30152-P1441-P3-XX	HA680B.XX.XXX
HiPath 3000 Manager C V8	P30152-P1441-P4-XX	HA680B.XX.XXX
HiPath 3000 Manager CU V8 (Upgrade Version)	P30152-P1441-P5-XX	HA680B.XX.XXX
DB Feature Server V8	P30152-P1441-P16-XX	HV680B.XX.XXX

Click on **Help** then **About ...** within the application to find out the Part/Binder Number.

HiPath 3000 Manager C/E V8 is backwards compatible with HiPath 3000/5000 V7 and earlier systems.

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NOTE #16 A new version of HiPath 3000 Manager C/E V8 will usually be released with each new system software version. Always upgrade to the current version as soon as it is available on eTAC or the HiPath 3000 Engineers' Toolkit DVD-ROM. Failure to follow this advice may lead to unrecoverable database corruption requiring a manual retype of the database from default.

3.8.1 Display IP Workpoint Software Version in HiPath 3000 Manager E

On HiPath 3000 V7 it is possible to view the currently installed software version of a particular OpenStage T telephone and OpenStage Phone Adapter using HiPath 3000 Manager E.


From HiPath 3000 V8 this has been extended to optiPoint 410 HFA, optiPoint 420 HFA and OpenStage HFA telephones.

Using HiPath 3000 Manager E V8 the installed software version can be seen in the **Setup station**  object under the **Endpoint hw sw version** tab. The current software version of each device can be seen under the **SW actual** column.

Station	Key programming	Endpoint hw sw version	Fax / Modem	Emergency	Gatekeeper
Gateway		Mobility Entry		OSD Ports	
Current OpenStage SW Versions in MMC					
OpenStage 15 T:		OpenStage 40 T:			
OpenStage 20E/20 T:		OpenStage 60/80 T:		OpenStage Extender:	
Call no.	Name	Type	SW actual	HW version	Access
25	101 Sales	OpenStage 20	V1R3.15.0 HFA C01	S00000-Q0000-A000-000	STM12 7 - SYS - 1
26	102 Service	optiPoint 420 Standard	V5R5.8.0 HFA C01		STM12 7 - SYS - 2
27					

NOTE #17 The hardware version is **NOT** displayed for IP workpoints.

3.8.2 Configure MULAP Group Names in HiPath 3000 Manager C

From HiPath 3000 Manager C V8 it is possible for the customer to edit the 'Name' assigned to a MULAP group. This can be seen in the **Incoming calls**  object under the **MULAP groups** tab. Other MULAP group data is displayed but cannot be edited.

Groups/Hunt groups	Call forwarding	Call pickup	UCD groups	MULAP groups
Group				
	Call no.	Name	Type	
01	31	Sales	Basic MULAP	
02				
Members				
	Call no.	Name		
	100	Paul		
	120	Gary		

NOTE #18 The **MULAP groups** tab is **NOT** visible in HiPath 3000 Manager E.

3.9 LDAP 'Username' Length

From HiPath 3000 V8 the length of the 'Username' used to log-on to an LDAP server has been increased to 48 characters (previously 20 characters on HiPath 3000 V7).

3.10 Number Redial Enhancement

On HiPath 3000 V7 the last 3 dialled numbers are saved as part of the 'Redial' feature. This has now been increased to 10 from HiPath 3000 V8.

NOTE #19 OpenStage 60 / 80 workpoints support longer redial lists so this enhancement only applies to OpenStage 20 / 40 and older workpoints. Also, the system only stores the last number dialled (i.e. one number) for non-display system telephones.

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3.11 Voicemail MWI for SIP Workpoints

From HiPath 3000 V8 a MWI key with LED functionality is supported on SIP workpoints. With this feature MWI from a Voicemail system is supported together with the basic call to the Voicemail system to retrieve the message. This feature does not support the display of 'Message Texts' using the *68 service code.

NOTE #20 *This feature is **ONLY** released on optiPoint 150 S in the UK.*

3.12 Support of 'Caller List' via 'Message' Key on CMI Telephones (Gigaset)

From HiPath 3000 V8 the 'Message' key on CMI telephones will also support the 'Caller List' feature in addition to MWI. The LED will illuminate if a message is waiting or if a new entry has been added to the caller list. Pressing the 'Message' key will allow both features to be accessed.

3.13 optiClient Attendant V8 – Node ID

From HiPath 3000 V8 the Node ID is sent to optiClient Attendant V8 on incoming calls in order to correctly identify the source of the call.

3.14 Gadget / Widget Interface

Widgets or Gadgets are micro applications that run on the desktop and perform a variety of tasks.

There are several engines available to support the integration of these micro applications into the host PC (e.g. Google Gadgets, Vista Gadgets, Yahoo! Widget Engine). These engines communicate using the HTTP/HTTPS protocol.

From HiPath 3000 V8 support has been added for a Gadget interface to support Widgets created for the Yahoo! Widget Engine. The Gadget interface is not licensed.

To allow these Widgets access to CTI functionality a conversion is required between the HTTP/HTTPS protocol and the CSTA protocol offered by the HiPath 3000 platform.

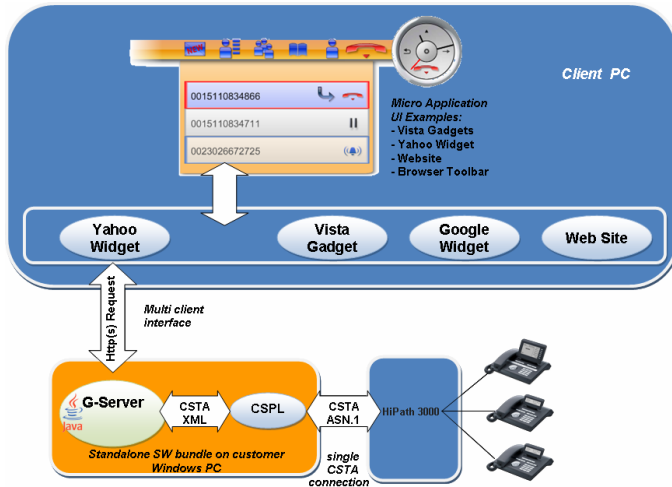
3.14.1 Gadget Server

The Gadget Server or G-Server is a third-party application with an integrated CSPL (CSTA Service Provider Light) developed by our partner gebeCom that converts between the CSTA protocol used by the HiPath 3000 platform and the HTTP/HTTPS protocol used by the Yahoo! Widget Engine. This allows CTI functionality to be made available to Widgets.

The G-Server is installed on a PC connected to the customer's LAN. The G-Server establishes the link to the CSPL using the XML protocol. The CSPL component establishes the CSTA link to the HiPath 3000 platform using the CSTA ASN.1 protocol. The client PCs connect to the G-Server via HTTP/HTTPS.

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The G-Server application and associated documentation can be downloaded directly from the gebeCom web site:

<http://www.gebecom.de/sdk/>

3.14.2 Yahoo! Widget Engine

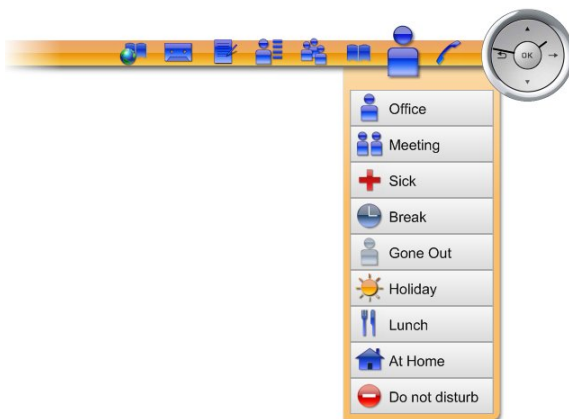
The Yahoo! Widget Engine is a free application platform designed to support Widgets and includes a number of Widgets, with thousands more available to download free from the Yahoo! Widgets web site:

<http://widgets.yahoo.com/>

Also on the web site is a complete SDK and associated documentation to allow the creation of bespoke widgets to perform particular tasks.

3.14.3 myPortal Entry

A sample application based on the Yahoo! Widget Engine interface is myPortal entry.



The myPortal Entry Widget is supplied free-of-charge and is effectively a cut-down version of myPortal.

In the idle state the myPortal Entry Widget appears as a typical clock Widget with the appearance of the OpenStage TouchGuide. After clicking the button in the middle of this clock a 'taskbar' appears which offers several CTI features:

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- Call Control - control current telephone connection(s). On incoming calls the CLI will be displayed (if available).
 - Call Forwarding - for different situations (e.g. 'Meeting', 'Sick' etc) a forwarding target can be defined which can be activated with a simple click. The default status is 'Office'.
- NOTE #21** Presence is **NOT** supported on myPortal Entry so there is no indication of this status for other myPortal Entry users.
- Phonebook – an integrated phonebook / directory is available. Contacts can be imported from Microsoft Outlook or a CSV file and can then be used by scrolling through them and clicking the appropriate one.
 - Team Functions - messages can be sent to one or more telephones. It is also possible to set a call forward from one or more telephones to the same destination. A list of the internal users needs to be imported from a CSV file first in order to use these team functions.
 - Programmable Function Keys - multiple function keys can be programmed with internal or external destinations or system features.
 - Call Journal - the journal collects information regarding outgoing and incoming calls (as long as myPortal Entry is active). Filters are available to display outgoing, incoming, answered and missed calls. It is possible to set a reminder for each entry.
 - Link to External Directories - a further icon opens a preconfigured public directory in a browser window.
 - Automatic Update – myPortal Entry is updated automatically when a new version appears in the Yahoo! Widget Gallery. It is also possible to manually update myPortal Entry, see below.

The latest version of the myPortal Entry application and associated documentation can be downloaded from the Wiki site, follow the link below:

http://wiki.siemens-enterprise.com/index.php/myPortal_Entry

3.15 Voicemail Group

From HiPath 3000 V8 a new 'Voicemail' group type exists. This can be seen using HiPath 3000 Manager E in the **Incoming calls**  object under the **Groups/Hunt groups** tab.

Index	Call no.	DID	Name	Type	Ring type	Tel. directory
27	4110		Sales	Voicemail	1	<input checked="" type="checkbox"/>

This group type is **ONLY** used in conjunction with OpenScope Office Voicemail. The main purpose is to allow hunt / ring group members to receive MWI when a message arrives for the mailbox. The 'Voicemail' group can also be added as a target in a CDL, this causes the call to forward to the OpenScope Office Voicemail and reach the mailbox defined as the 'Call no.' for the 'Voicemail' group (e.g. mailbox 4110). No members need to be added in HiPath 3000 Manager E, the remainder of the configuration is performed in OpenScope Office Assistant.

4 Upgrading

The configuration may need to be checked with the HiPath 3000/5000 Project Planning Tool **BEFORE** proceeding with the upgrade. Please read eTAC ID 14242 for more information and to download the HiPath 3000/5000 Project Planning Tool.

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NOTE #22 HiPath 3700/3750 systems are **NOT** supported on HiPath 3000 V8.

Before attempting to upgrade an existing HiPath 3000 V1.2, V3.0, V4.0, V5.0, V6.0 or V7 system please check the software and hardware requirements listed below:

4.1 Software Requirements

optiPoint 400 – **NOT** supported
 optiPoint 410 – V5 R5.0.0
 optiPoint 420 – V5 R5.0.0
 optiPoint 600 office U_{P0/E} – V2.7.12 or later (Not V5.0 or later)
 optiPoint 600 office IP – **NOT** supported
 optiPoint WL2 - V1 R2.46.0
 HiPath optiClient 130 – V5.1 R5.0.0 (5.1.173.0000)
 optiClient Attendant – V8
 HiPath Xpressions Compact V2.0 (A2 APS line i.e. HE200V.03.xyz)
 HiPath Xpressions Compact V2.5
 HiPath Xpressions Compact V3.0 (see NOTE #23)
 HiPath AP1120 H.323 - V5.1
 HiPath AP1120 SIP - V5.1
 HiPath 3000 Manager C – V8
 HiPath 3000 Manager E – V8
 HiPath HG1500 – V8
 STMI2 – V8

NOTE #23 HiPath Xpressions Compact V3 R1.0.0 or later software is required to support the new features described in section 3.5. Also, the English voice prompts **MUST** be ENG04014 or later to support the Conference Server feature.

NOTE #24 The versions listed above are the absolute minimum versions supported by HiPath 3000 V8 as a platform. Always check the minimum version supported for **ALL** peripheral cards and devices in the Release Note for the particular level of HiPath 3000 V8 software **BEFORE** upgrading a system.

4.1.1 HiPath Xpressions Compact

The following table illustrates which IVM hardware and software combinations are supported on HiPath 3000 V8.

IVM Hardware	IVM Software	Upgrade Required?
IVMP4 / IVMP4R	V2.5	No [†]
	V3.0	No
IVMP8 / IVMP8R	V2.0 A1 APS Line (HE200V.02.xyz)	Yes (V2.0 A2 APS Line) ^{††}
	V2.0 A2 APS Line (HE200V.03.xyz)	No
IVMS8 / IVMS8R	V2.0 A1 APS Line (HE200V.02.xyz)	Yes (V2.0 A2 APS Line) ^{††}
	V2.0 A2 APS Line (HE200V.03.xyz)	No
IVMS8N / IVMS8NR	V2.5	No [†]
	V3.0	No
IVMN8	V2.0 A2 APS Line (HE200V.03.xyz)	No [†]
	V2.5	No [†]
	V3.0	No
IVMNL	V2.0 A2 APS Line (HE200V.03.xyz)	No [†]
	V2.5	No [†]
	V3.0	No

[†] Although these combinations do not require an upgrade to function on HiPath 3000 V8 the IVM hardware is capable of supporting the new features available in HiPath Xpressions Compact V3.0. A special upgrade package is available to upgrade from V2.5 to V3.0, otherwise the HiPath Xpressions Compact V3.0 Morphix CD must be used.

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^{††} HiPath Xpressions Compact V2.0 A1 APS line (HE200V.02.xyz) is **NOT** supported on HiPath 3000 V8. In this case the IVM **MUST** be upgraded to the A2 APS line using the HiPath Xpressions Compact V2.0 Morphix CD **BEFORE** upgrading the system to HiPath 3000 V8. This procedure is covered in Technical Bulletin No. 90. This document is available on the HiPath 3000 Engineers' Toolkit DVD-ROM and can be downloaded from eTAC (ID 13934), follow the link below:

[How do I upgrade an IVM from the A1 APS line \(HE200V.02.xyz\) to the A2 APS line \(HE200V.03.xyz\)?](#)

4.1.2 HiPath HG1500 / STMI2

Only HiPath HG1500 V3.0 or STMI2 cards are supported on HiPath 3000 V8. The software on the HG1500 / STMI2 card must be upgraded to V8 via Boot CLI **NOT** WBM. This procedure is described in Technical Bulletin No. 104. This document is available on the HiPath 3000 Engineers' Toolkit DVD-ROM from Issue 6 and can be downloaded from eTAC (ID 14787), follow the link below:

[Upgrading / Downgrading HiPath HG1500 V3.0 / STMI2 via Boot CLI](#)

4.2 Hardware Requirements

All systems must be fitted with a 64 Mb / 128 Mb MMC card.

IMPORTANT PLEASE NOTE The following are no longer supported from HiPath 3000 V7 and **MUST** be replaced:

optiPoint 400 economy
 optiPoint 400 standard
 optiPoint 600 office (IP mode)
 BS2/2 Base Station
 HiPath optiClient Attendant V7.0

IMPORTANT PLEASE NOTE optiset E telephones, adapters and modules have 'Conditional Support' from HiPath 3000 V7.

optiset E telephones, adapters and modules have been declared obsolete and reached milestone M44 on 15/9/2003. Since the launch of HiPath 3000 V7 development no longer test the software for correct operation with optiset E telephones. Only optiPoint 500 and OpenStage T telephones are used for testing. Therefore optiset E telephones, adapters and modules only have 'conditional support' from HiPath 3000 V7. However, as optiset E and optiPoint 500 / OpenStage T telephones share the same U_{PO/E} interface to the system, optiset E telephones, adapters and modules are likely to perform flawlessly in practice.

The following examples will help to explain the meaning of 'Conditional Support' as follows:

#1 A customer has a fault that requires escalation to development and the system has optiset E telephones, adapters or modules installed. We can escalate the problem as long as the fault is **NOT DIRECTLY** related to an optiset E telephone, adapter or module. This fault will be dealt with without any mention of replacing the optiset E telephones.

#2 A customer has a fault that requires escalation to development and the system has optiset E telephones, adapters or modules installed. If the fault is **DIRECTLY** related to an optiset E telephone, adapter or module then we cannot escalate the problem without first substituting the optiset E telephone with an equivalent optiPoint 500 / OpenStage T model and retesting the problem scenario e.g. If the problem is directly related to an optiset E entry, this must first be replaced with the nearest equivalent model of optiPoint 500 / OpenStage T telephone (e.g. an optiPoint 500 entry) to see if the fault is still apparent, if so, the fault can be escalated. This testing may be able to be performed in our lab facility if the problem is easy to reproduce, otherwise it is up to the reseller to supply the optiPoint 500 / OpenStage T telephone and test the scenario on-site.

There is still no absolute guarantee that any software fix provided by development will also resolve the problem on the original optiset E telephone, although it is likely. If the problem then only occurs on the

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optiset E telephone, it must be replaced with an optiPoint 500 / OpenStage T equivalent at the reseller's expense.

#3 A customer has a problem on a legacy system (e.g. HiPath 3550 V5.0) that has optiset E telephones, adapters or modules installed. The problem may or may not be directly related to one of these telephones (e.g. system restarting). After calling the TAC it is decided that the problem is fixed in HiPath 3550 V8 software. After upgrading the system software to V8 a fault is apparent that is directly related to an optiset E telephone, adapter or module. After investigation it is decided that the fault must be escalated to development in Germany. The same rule applies as in example #2 above i.e. the telephone must be replaced with an equivalent optiPoint 500 / OpenStage T model to see if the fault is still apparent.

NOTE #25 'Conditional Support' only applies to problems that need to be escalated to development; it does not affect access to TAC. The TAC will always assist in diagnosing a problem directly relating to optiset E telephones, adapters and modules. However, if it is proved that the problem is solved by replacing the optiset E telephone, adapter or module with an equivalent optiPoint 500 / OpenStage T model, the cost of replacement **MUST** be borne by the reseller.

4.2.1 HiPath 3350 & 3550

On HiPath 3000 V4.0 or earlier systems the existing CBCC control board **MUST** be replaced:

Old CBCC part number S30810-Q2935-A201-XX

New CBCC part number S30810-Q2935-A301-XX or S30810-Q2935-A401-XX

Replace any HXGS or HXGS2 cards with HXGS3 (HiPath HG1500 V3.0) cards.

4.2.2 HiPath 3300 & 3500

On HiPath 3000 V4.0 or earlier systems the existing CBRC control board **MUST** be replaced:

Old CBRC part number S30810-K2935-Z-XX

New CBRC part number S30810-Q2935-Z301-XX or S30810-Q2935-Z401-XX

Replace any HXGSR or HXGSR2 cards with HXGR3 (HiPath HG1500 V3.0) cards.

4.2.3 HiPath 3700 & 3750

These systems are no longer supported from HiPath 3000 V7, replace system with a HiPath 3800.

4.2.4 HiPath 3800

No hardware changes required.

4.3 Identifying HiPath 3000 V8 Software Files

HiPath 3000 V8 system software files will be in the following format:

XXYYYYYYYZ.EXT OR XYYYYYYYZ_WP2.EXT

Key

XX	SL	HiPath 3300, 3350, 3500 & 3550
	PL	HiPath 3800
YYYYY		This is the binder number of the software
Z	M	Binary file for HiPath CardManager

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A	APS Transfer formatted file for Manager E
D	TFTP APS Transfer formatted file

WP2 This version includes software for OpenStage T telephones and the OpenStage Phone Adapter together with the system software.

EXT	ZIP	WinZip archive (Open with WinZip)
	EXE	Self-extracting WinZip archive (Run file directly)
	FLI	TFTP APS Transfer formatted file
	FST	APS Transfer formatted file
	MMC	Binary file for HiPath CardManager

4.4 Upgrade Procedure

4.4.1 MMC Exchange Method

It is **NOT** possible to upgrade from \leq HiPath 3000 V5.0 to HiPath 3000 V8 by performing an APS Transfer via HiPath 3000 Manager E. This is only possible from HiPath 3000 V6.0 or V7 (see section 4.4.2). For earlier systems the only method supported is MMC Exchange, proceed as follows:

1. If the system is currently HiPath 3000 V5.0, V6.0 or V7 and licensed, the existing license **MUST** first be upgraded to a V8 license on the CLS. Unlike previous versions this upgrade is **NOT** free, an upgrade license **MUST** be purchased for a nominal fee. Use the 'Upgrade License' link on the CLS web site and save the new V8 license file. If the system is currently V4.0 or earlier but will require mandatory licensing when upgraded to V8, make sure that you have a V8 license for the system unless you intend to start with a 30-day grace period license.

Please refer to eTAC ID 14703 for details of features that require mandatory licensing, follow the link below:

[Which features on HiPath 540, 3000 or 5000 V5.0 or later require mandatory licensing?](#)

If the system is currently V4.0 or earlier and contains a HiPath HG1500 card the existing license will need to be upgraded to a HiPath 3000 V8 license. Use the 'Upgrade License' link on the CLS web site and save the new V8 license file.

2. Install the latest versions of the CLA, CLM and HiPath 3000 Manager E V8 onto the Service PC.

NOTE #26 The CLA and CLM are not required if the system does not require mandatory licensing.

3. Convert the KDS to HiPath 3000 V8 using HiPath 3000 Manager E V8 and save the file with a different file name.

NOTE #27 Database conversion is only supported from HiPath 3000 V5.0, V6.0 or V7 to V8. The KDS must be manually rewritten for HiPath 3000 V4.0 or earlier systems.

NOTE #28 If the KDS contains a HiPath HG1500 card some manual configuration changes will need to be made before and after converting the KDS. For more information see the flowchart in section 9.3.2 of the HiPath 3000/5000 V8 Service Manual.

4. If any HiPath HG1500 V3.0 or STMI2 cards are present they must be upgraded to V8 software via Boot CLI as indicated in section 4.1.2 above. The HiPath HG1500 V3.0 / STMI2 database should be saved as a backup before the upgrade (the database **CANNOT** be uploaded after the upgrade but may be useful for reference).

Upgrade any applications or devices as indicated in section 4.1 above.

5. Write the new HiPath 3000 V8 software (*.mmc file) to a 64 Mb / 128 Mb MMC card using HiPath CardManager (see Technical Bulletin No. 98 for details of how to write to an MMC card

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using HiPath CardManager). If any OpenStage T telephones will be installed use the WP2 file variant.

6. Power down the HiPath 3000 system.
7. Replace any hardware as indicated in section 5.2 above.
8. Install the newly programmed 64 Mb / 128 Mb MMC card from step 5.
9. Power up the HiPath 3000 system.
10. Perform a full default of the system (hold down the reset switch until the Run LED is extinguished).
11. Initialise the system for the UK (normal procedure i.e. confirm the default password for user 31994 in German then use expert code 29-5-1 to change to option 15 - Great Britain).
12. Upload the converted or rewritten KDS using the current version of HiPath 3000 Manager E V8. If any hardware was changed in step 7 the configuration may need to be adapted for the new hardware. In this case download the KDS from the system, make any required configuration changes and then upload the modified KDS back to the system.
13. License the system using a HiPath 3000 V8 license file. An existing HiPath 3000 V5.0, V6.0 or V7 license file is not compatible and will be ignored. See step 1.

4.4.2 APS Transfer Method

Normally an APS Transfer can only be used to upgrade a system within a version e.g. to upgrade a HiPath 3000 V8 to a later maintenance release within V8. To perform this type of APS Transfer go directly to section 4.4.2.2.

However, it is also possible to upgrade a HiPath 3000 V6.0 or V7 system to V8 either remotely or on site using the APS Transfer method. This procedure is carried out in two stages; the first stage in section 4.4.2.1 converts the current HiPath 3000 V6.0 or V7 KDS to V8 and then appends this KDS to the APS software file. The second stage in section 4.4.2.2 is the APS Transfer itself; this transfers the file to the system to initiate the software upgrade. This section can also be used to upgrade OpenStage TDM telephone software.

4.4.2.1 Append KDS to APS File

Prerequisites:

- HiPath 3000 V6.0 Binder 10.732 or later
- HiPath HG1500 / STMI2 V7
- HiPath 3000 V8 APS Transfer file
- License file for HiPath 3000 V8 (see NOTE #30)

NOTE #29 An APS Transfer from HiPath 3000 V6.0 to V7 will only be successful if all the requirements of section 4.1 and 4.2 are already met before performing the APS Transfer.

NOTE #30 If the HiPath 3000 V6.0 / V7 is currently licensed, the existing license **MUST** first be upgraded to a V8 license on the CLS. Unlike previous versions this upgrade is **NOT** free, an upgrade license **MUST** be purchased for a nominal fee. Use the 'Upgrade License' link on the CLS web site and save the new V8 license file.

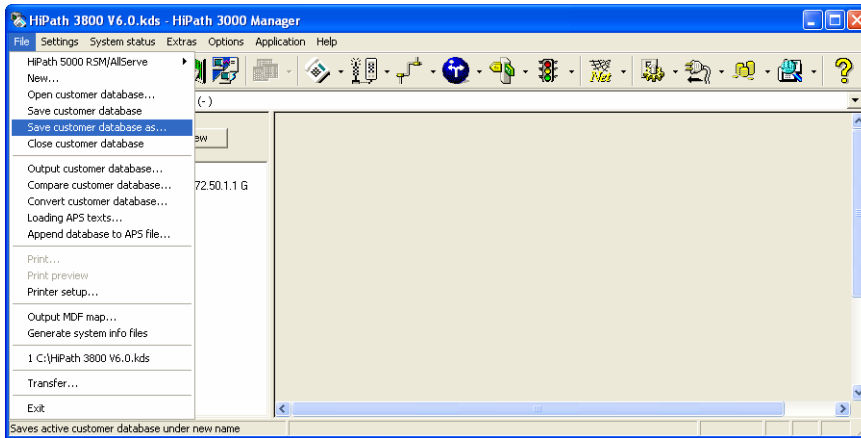
Proceed as follows:

1. Download the KDS from the HiPath 3000 V6.0 or V7 system using the latest version of HiPath 3000 V8 Manager E. For the purpose of the example the system is a HiPath 3800. Save the KDS to the

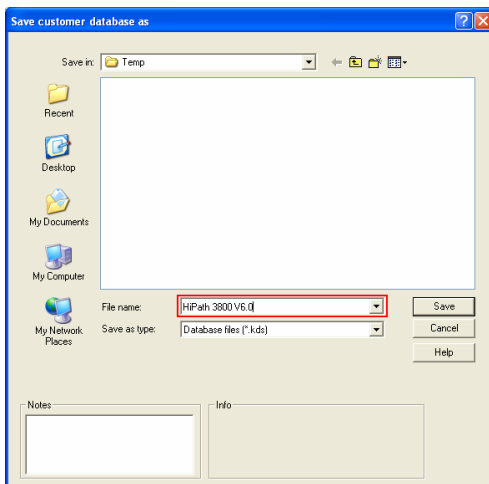
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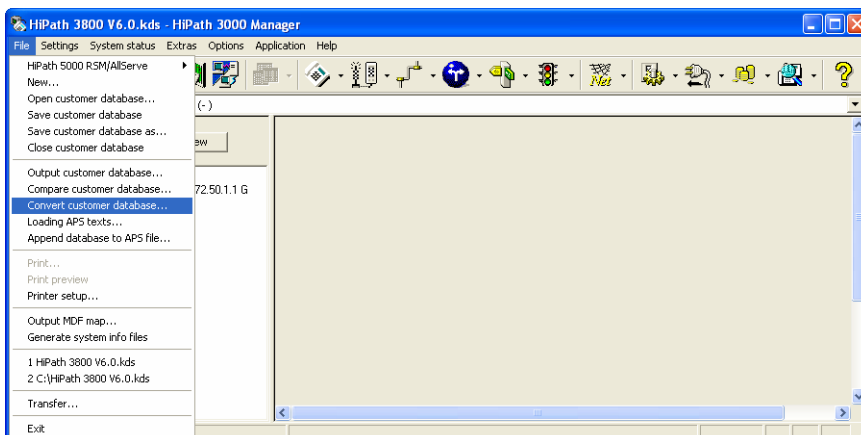
hard drive with an appropriate file name. On the **File** menu select **Save customer database as...**



Navigate to a suitable folder (e.g. C:\Temp), enter the **File name** (e.g. HiPath 3800 V6.0) and click on the **Save** button.



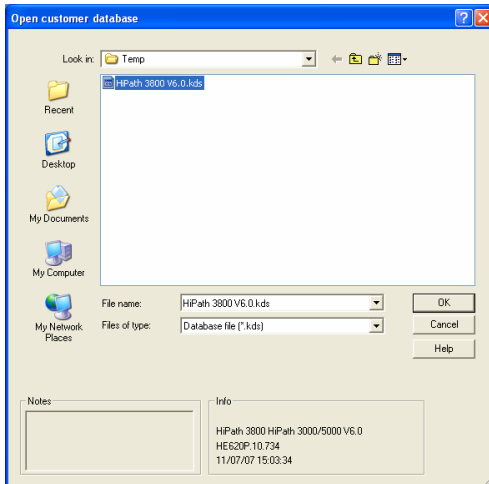
- The next step is to convert the KDS to HiPath 3000 V8. On the **File** menu select **Convert customer database...**



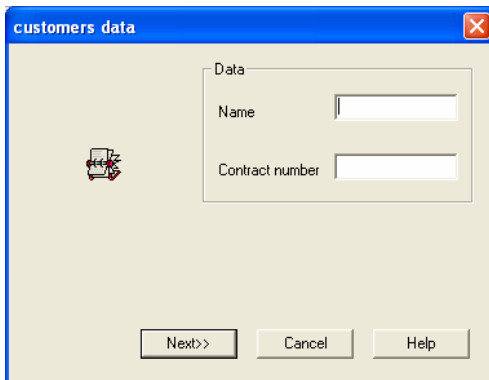
Select the file saved in step 1 and click on the **OK** button.

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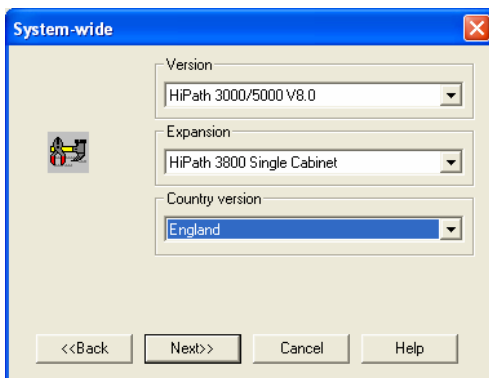
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- At the **customers data** window enter the customer **Name** and **Contract number**. These fields can be left blank if required. Click on the **Next>>** button.



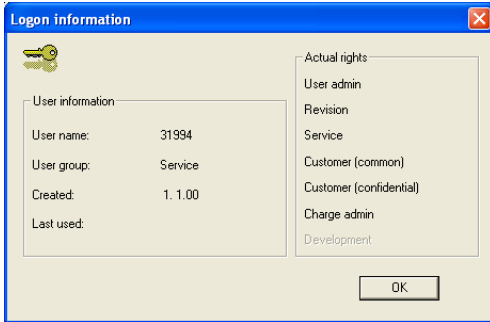
- At the **System-wide** window select 'HiPath 3000/5000 V8.0' as the **Version** using the drop-down list. Also select the system type using the **Expansion** drop-down list (e.g. 'HiPath 3800 Single Cabinet'). Finally select the **Country version** as 'England' using the drop-down list. Click on the **Next>>** button.



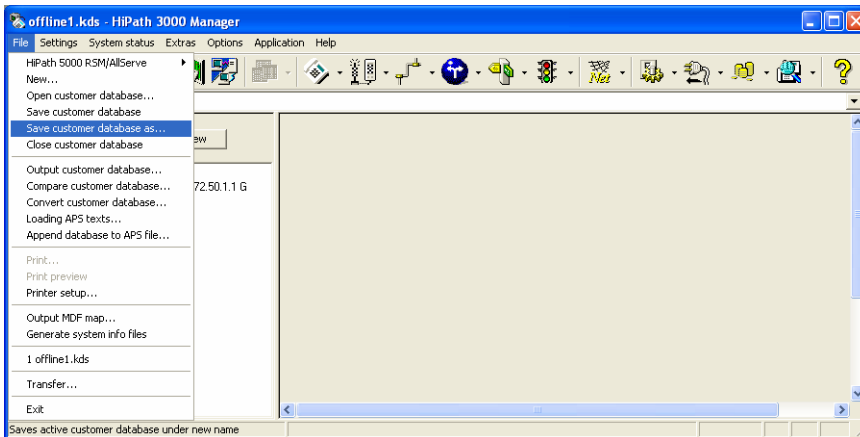
- The database will be converted and the **Logon information** window will appear showing the current user (e.g. 31994) and the actual rights assigned to this user within the new database. Click on the **OK** button.

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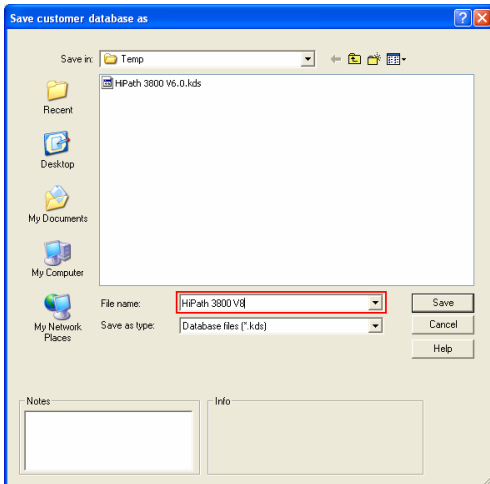
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- Save the new HiPath 3000 V8 KDS to the hard drive with an appropriate file name. On the **File** menu select **Save customer database as...**

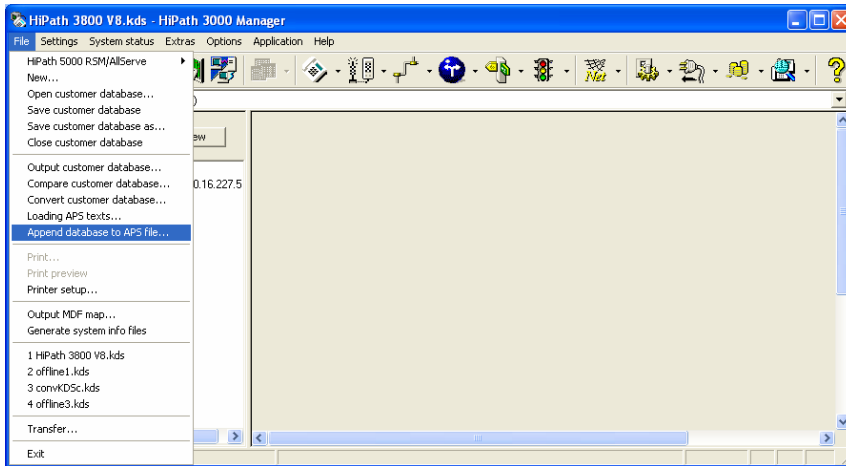


Enter the **File name** (e.g. HiPath 3800 V8) and click on the **Save** button.

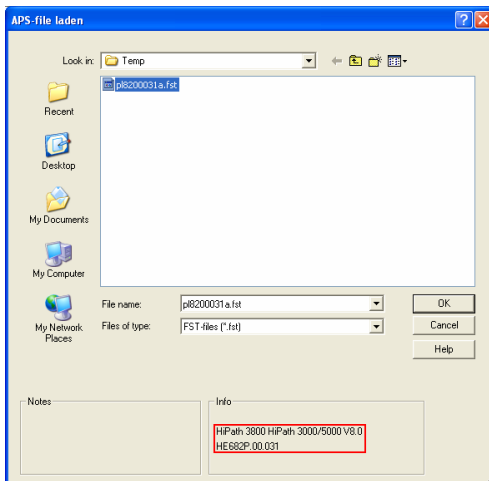


- The next step is to append the HiPath 3000 V8 KDS to the APS software file. Copy the correct HiPath 3000 V8 APS Transfer file (*.fst) to the same folder as the KDS files (e.g. C:\Temp). The software file can be downloaded from eTAC or the HiPath 3000 Engineers' Toolkit DVD-ROM. On the **File** menu select **Append database to APS file...**

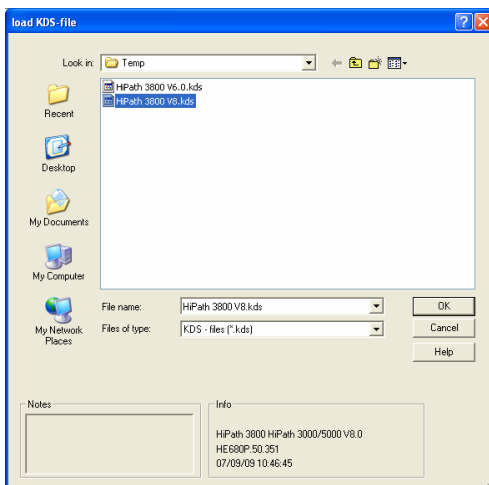
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8. At the **APS-file laden** window select the correct APS file; The **Info** box will display the system type (e.g. 'HiPath 3800'), the binder number and the version should be 'HiPath 3000/5000 V8.0'. If all is correct click on the **OK** button.



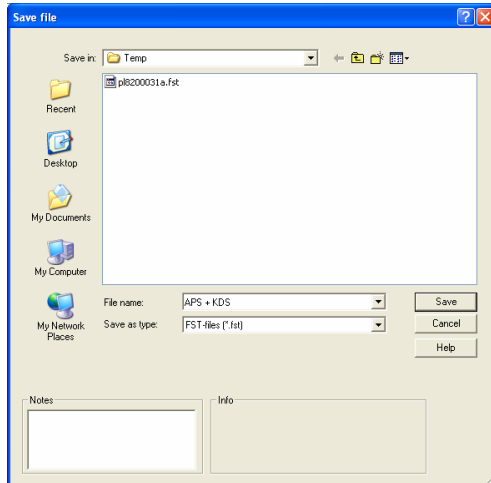
9. At the **load KDS-file** window select the new HiPath 3000 V8 KDS (e.g. HiPath 3800 V8.kds) and click on the **OK** button.



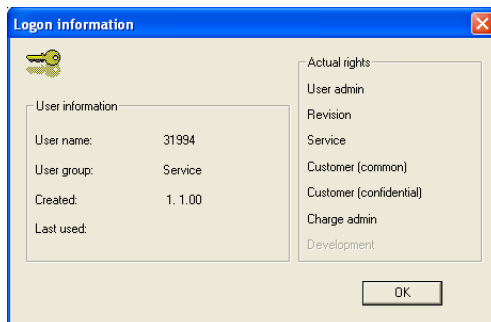
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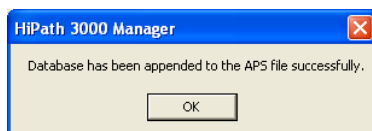
10. At the **Save file** window enter a new file name (e.g. APS + KDS) for the combined APS and KDS file, do **NOT** overwrite the original APS Transfer file. Click on the **Save** button.



11. The **Logon information** window will appear again showing the current user (e.g. 31994) and the actual rights assigned to this user within the combined software and database file. Click on the **OK** button.



12. The following message should appear if the operation was successful.




Proceed to section 4.4.2.2 to perform the APS Transfer.

4.4.2.2 APS Transfer Procedure

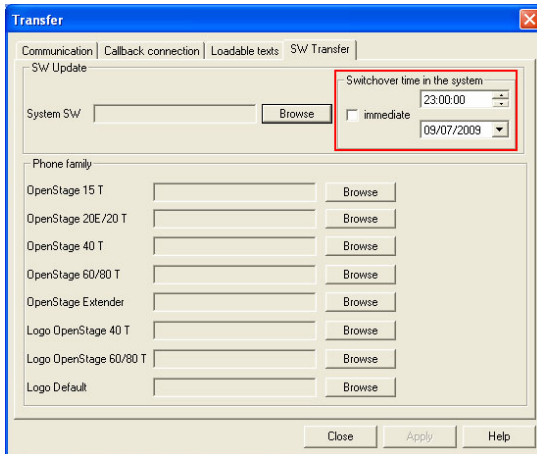
Prerequisites:

Obtain the correct HiPath 3000 V8 APS Transfer file (*.fst) from eTAC or the HiPath 3000 Engineers' Toolkit DVD-ROM. Extract the file to a folder on the PC (e.g. C:\Temp). The combined APS and KDS file created in section 4.4.2.1 can also be used.

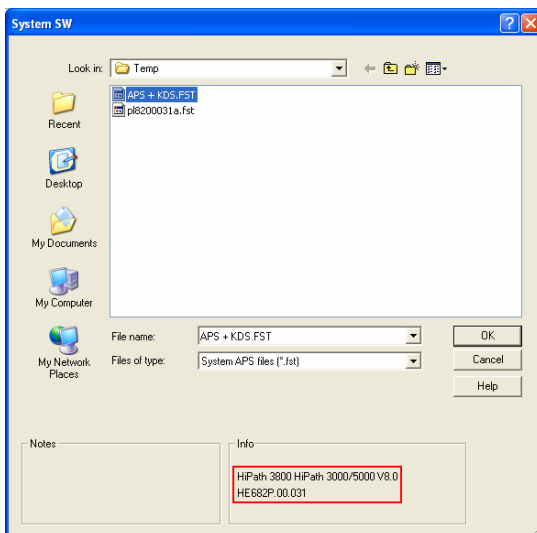
1. Make sure that all open databases are closed before continuing. Click on the **Transfer**  object and select the **SW Transfer** tab. Select whether the system should changeover to the new software version immediately after the file has been transferred (with the **immediate** flag checked) or set a future date and time for the changeover to occur.

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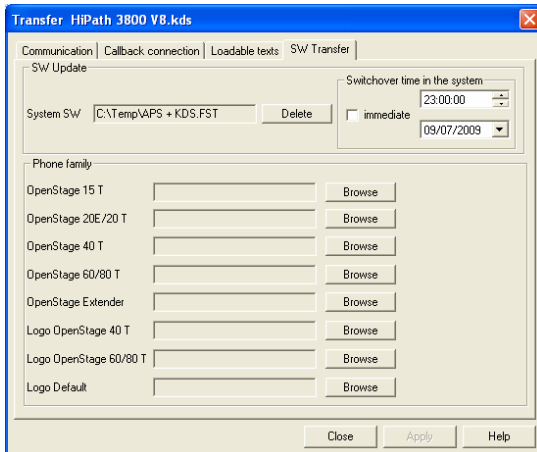
- In the **SW Update** area click on the **Browse** button. Navigate to the APS Transfer file, click on it to highlight the file. The system type and APS stamp of the selected file will be displayed. This can be checked against the HiPath 3000 V8 Release Note or the Checksum Information document as a last minute check that the software version, binder and system type is correct before continuing. Finally, click on the **OK** button.



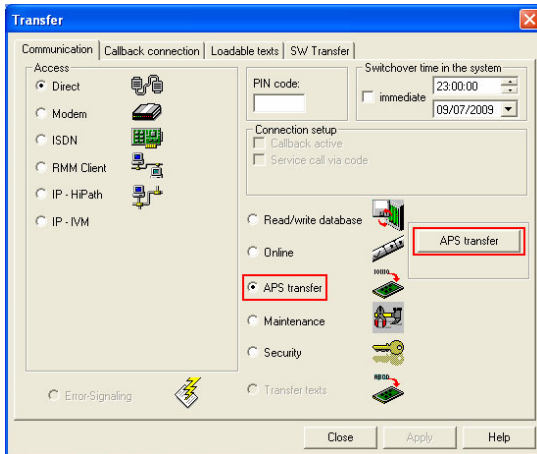
- If the system will be using any OpenStage T telephones the latest software files (*.bin) and individual logo files can also be loaded if required using the individual **Browse** buttons in the **Phone family** area.

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4. Click on the **Communication** tab and set the appropriate connection method to perform the APS Transfer. Select the **APS transfer** radio button and finally click on the **APS transfer** button that appears.



The transfer time depends on the connection method and how many files were selected for transfer. After the file is transferred the software will switchover immediately or at the selected date and time depending on the selection made in step 1.

5. If the system was upgraded from a licensed HiPath 3000 V6.0 or V7 system a valid HiPath 3000 V8 license file **MUST** be used to license the HiPath 3000 V8 system. An existing HiPath 3000 V6.0 or V7 license file is **NOT** compatible and will be ignored. See NOTE #30.