



Avaya Solution & Interoperability Test Lab

Application Notes for SLIT NovaHotel IPO-TAPI and Avaya IP Office – Issue 1.0

Abstract

These Application Notes describe the compliance testing of SLIT NovaHotel IPO-TAPI with Avaya IP Office. SLIT NovaHotel IPO-TAPI is a PC application which enables hotel personnel to configure Avaya IP Office as required to meet the needs of hotel guests. These Application Notes contain an extensive description of the configurations for both NovaHotel IPO-TAPI and Avaya IP Office which were used for testing. The testing which was performed tested the major functions of the NovaHotel IPO-TAPI product.

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.

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1. Introduction

These Application Notes describe the configuration steps required for SLIT NovaHotel IPO-TAPI to successfully interoperate with Avaya IP Office. The NovaHotel IPO-TAPI software is a PC-based application suite that provides features for an end user to use Avaya IP Office in a hospitality environment. The suite is able to manage one or several Avaya IP Office systems, and works as a web-based application to meet the telephony needs of hotels.

NovaHotel IPO-VMPRO is a similar hotel solution for Avaya IP Office from SLIT which provides additional features, but uses Avaya Voicemail PRO as an interface to Avaya IP Office instead of TAPI. This application is not covered by these application notes.

1.1. Interoperability Compliance Testing

The compliance testing included the following test scenarios:

- Verification of guest checkin / checkout.
- Verification of correct operation of guest room transfer.
- Verification that guests can make extension calls.
- Verification that guests can make calls to the PSTN.
- Verification that Direct Inward Dial numbers can be assigned to extensions allowing guests to be dialed directly from the PSTN.
- Verification that guest calls to national, international, and mobile parties are billed correctly.
- Verification that the NovaHotel IPO-TAPI server recovers from network interruptions and unexpected power failures.

1.2. Support

Support from Avaya is available at <http://support.avaya.com/>.

Support from SLIT is available at <http://www.slit.fr/support> and +33(0)4.72.10.16.20

2. Reference Configuration

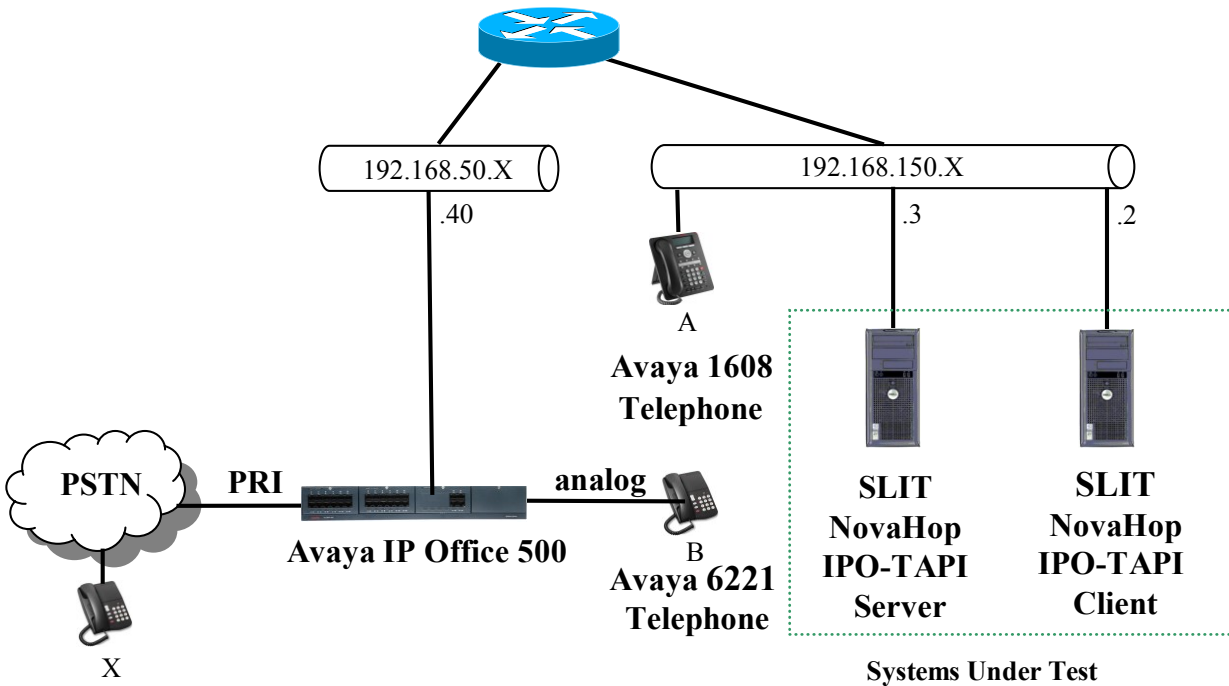


Figure 1: Test System Configuration

The SLIT NovaHotel IPO-TAPI Server in the above diagram performs telephony operations and receives events from Avaya IP Office via TAPI. The NovaHotel IPO-TAPI Client communicates with the NovaHotel IPO-TAPI Server and provides a user interface which allows hotel personnel to administer telephone usage within the hotel.

The following table contains additional information about how each of the telephones contained in the above diagram are configured in Avaya IP Office. Note that the “xxxx” and “yyyy” sequences have been substituted for actual number sequence for security reasons.

Endpoint	Ext	PSTN Number	Station Type
A	50062	069 9073 xxxx 50062	1608
B	50072	069 9073 xxxx 50072	6221
X	N.A.	069 yyyy 6174	N.A.

Table 1: Extensions Used for Testing

3. Equipment and Software Validated

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

Software Component	Component	Version
Avaya IP Office 500	IPO	4.2 (11)
Avaya IP POTS8V2 Analog Gateway	IPO	6.2
Avaya 1608 IP Telephone	Telephone	030
Avaya 6221 Analog Telephone	Telephone	N.A.
Microsoft Windows XP Professional	Client	SP 3
SLIT NovaHotel IPO-TAPI Client	Client	4.1
Avaya TAPI Driver	Server	3.2.16
FireBird Database	Server	2.1
SLIT NovaHotel IPO-TAPI Server	Server	4.1
Microsoft Windows XP Professional	Server	SP 3
Java Virtual Machine	Server	6.0
Apache HTTP Server	Server	2.2.4

Table 2: Equipment and Version Validated

4. Configuration

4.1. Avaya IP Office

All configuration steps for Avaya IP Office were performed using the IP Office Manager program.

4.1.1. Licenses

The following table contains a list of licenses which are required for Avaya IP Office. Available licenses can be confirmed by selecting the “Licenses” icon.

License
CTI Link Pro

Table 3: License Requirements

4.1.2. System

Select the “System” icon and enter the parameters shown in the following table.

Tab	Parameter	Usage
CDR/SMDR	Output	Select “SMDR Only” from the drop-down menu.
	IP Address	Enter the IP address of the NovaHotel IPO-TAPI server.
	TCP Port	Enter the port which is configured for the NovaHotel IPO-TAPI server in Figure 19 .

Table 4: IP Office System Parameters

IP 500*

System LAN1 LAN2 DNS Voicemail Telephony LDAP System Events SMTP **CDR/SMDR** Twinning WCM SBCC

Output: SMDR Only

CDR

☐ Enable intra-switch CDRs

Formatting Options

Record Format: Unformatted

Record Options: Enhanced

Date Format

☐ Month\Day ☒ Day\Month

Call Detail Recorder Communications

IP Address: 0 . 0 . 0 . 0

IP Port: 0

Max CDRs: 500

☐ Use UDP

SMDR

Station Message Detail Recorder Communications

IP Address: 192 . 168 . 150 . 3

TCP Port: 1234

Records to Buffer: 500

☐ Call Splitting for Diverts

Figure 2: IP Office System: CDR/SMDR Tab

4.1.3. User Rights

Navigate to the “User Rights” configuration screen by selecting the “User Rights” icon from the top-level configuration screen. Create User Rights for “checkin” and “checkout” which are to be assigned to check-in and checkout guests respectively. The “checkin” User Rights should have the “Outgoing Call Bar” disabled to allow checked-in guests to make calls. The “checkout” User Rights should have the “Outgoing Call Bar” enabled to prevent guests who are not checked in from making calls.

User Rights		
Name	Priority	External Call Barring
checkin	5	No
checkout	5	Yes

checkin	
User	ShortCodes Button Programming Phone Manager Telephony User Rights membersh
Name	checkin
Locale	<input type="text"/> Not part of User Rights
Priority	5 Not part of User Rights
Voicemail on	<input type="checkbox"/> Enable voicemail Not part of User Rights
Voicemail ring back	<input type="checkbox"/> Enable voicemail ringback Not part of User Rights
Do not disturb	<input type="checkbox"/> Enable do not disturb Not part of User Rights
Outgoing call bar	<input type="checkbox"/> Enable outgoing call bar Apply User Rights value

Figure 3: User Rights: checkin

User Rights		
Name	Priority	External Call Barring
checkin	5	No
checkout	5	Yes

checkout	
User	ShortCodes Button Programming Phone Manager Telephony User Rights membersh
Name	checkout
Locale	<input type="text"/> Not part of User Rights
Priority	5 Not part of User Rights
Voicemail on	<input type="checkbox"/> Enable voicemail Not part of User Rights
Voicemail ring back	<input type="checkbox"/> Enable voicemail ringback Not part of User Rights
Do not disturb	<input type="checkbox"/> Enable do not disturb Not part of User Rights
Outgoing call bar	<input checked="" type="checkbox"/> Enable outgoing call bar Apply User Rights value

Figure 4: User Rights: checkout

In addition, the extensions for hotel rooms must initially be set to the “checked-out” state by including them as members of “checkout” User Rights.

The screenshot shows a software interface for configuring user rights. The title bar is blue with the text "checkout*". Below the title bar is a navigation bar with tabs: "User", "ShortCodes", "Button Programming", "Phone Manager", "Telephony", and "User Rights membership". The "User Rights membership" tab is selected. Below the navigation bar are two sub-tabs: "Members of this User Rights" and "Members when out of hours". The "Members of this User Rights" sub-tab is active. It contains a table with two columns: "Name" and "Extension". The table lists various extensions with checkboxes in the "Name" column. Extensions 50062 and 50072 have their checkboxes checked.

Name	Extension
<input type="checkbox"/> Extn50051	50051
<input type="checkbox"/> Extn50052	50052
<input checked="" type="checkbox"/> Extn50062	50062
<input type="checkbox"/> Extn50064	50064
<input type="checkbox"/> Extn50065	50065
<input type="checkbox"/> Extn50071	50071
<input checked="" type="checkbox"/> Extn50072	50072
<input type="checkbox"/> Extn50073	50073
<input type="checkbox"/> Extn50074	50074
<input type="checkbox"/> Extn50075	50075
<input type="checkbox"/> Extn50076	50076
<input type="checkbox"/> Extn50077	50077
<input type="checkbox"/> Extn50078	50078
<input type="checkbox"/> Extn50079	50079
<input type="checkbox"/> NoUser	

Figure 5: “checkout” User Rights Membership

4.1.4. PRI Line

Select the “IP-Route” icon and create a route with the parameters shown in the following table.

Tab	Parameter	Value
PRI Line	Line Subtype	Select “ETSI” from the drop-down menu.
	Incoming Group ID	Assign an unused group ID.
	Outgoing Group ID	Assign the same value as for the “Incoming Group ID”.
	Channels	Assign all channel count values to the maximum value of 30.
	Cost Per Charging Unit	Enter the communication unit cost multiplied by 10000: €0.0618 x 10000 = 618.

Table 5: PRI Line Parameters

The screenshot shows the 'PRI 30 - Line 13' configuration window. The 'Channels' tab is selected. The parameters and their values are as follows:

Line Number	13	Line SubType	ETSI
Card	4		
Port	P1		
Telephone Number		TEI	0
Incoming Group ID	5	Outgoing Group ID	5
Prefix	0	Number of Channels	30
National Prefix	00	Outgoing Channels	30
International Prefix	000	Voice Channels	30
CRC Checking	<input checked="" type="checkbox"/>	Data Channels	30
Clock Quality	Network	Line Signalling	CPE
Add 'Not end-to-end ISDN' Information Element	Never		
Supports Partial Rerouting	<input type="checkbox"/>		
Force Number Plan to ISDN	<input type="checkbox"/>		
Support Call Tracing	<input type="checkbox"/>		
Active CCBS Support	<input type="checkbox"/>		
Passive CCBS Support	<input type="checkbox"/>		
Cost Per Charging Unit	618		

Figure 6: PRI Line: Standard Tab

4.1.5. Shortcodes

Create a shortcode to route outgoing calls to the PRI line. Suppress the calling party number to prevent the called party from attempting to call back to the calling extension. Calls to the hotel should be made to the main hotel number, and not guest extensions.

Parameter	Usage
Code	Enter “0N”.
Feature	Select “Dial” from the drop-down menu.
Telephone Number	Enter “NW”, which suppress the calling party number.
Line Group Id	Enter the line group number assigned to the PRI line, which is defined in Figure 6 .

Table 6: Outgoing Call Shortcode Parameters

The screenshot shows a web-based configuration interface for an outgoing call shortcode. The title bar at the top is blue and reads "ON: Dial". Below the title bar is a tab labeled "Short Code". The main form area contains several fields: "Code" with the value "0N", "Feature" with a dropdown menu showing "Dial", "Telephone Number" with the value "NW", "Line Group Id" with a dropdown menu showing "5", "Locale" with an empty dropdown menu, and "Force Account Code" with an unchecked checkbox. A red rectangular box highlights the "Code", "Feature", "Telephone Number", and "Line Group Id" fields.

Figure 7: Outgoing Call Shortcode Screen

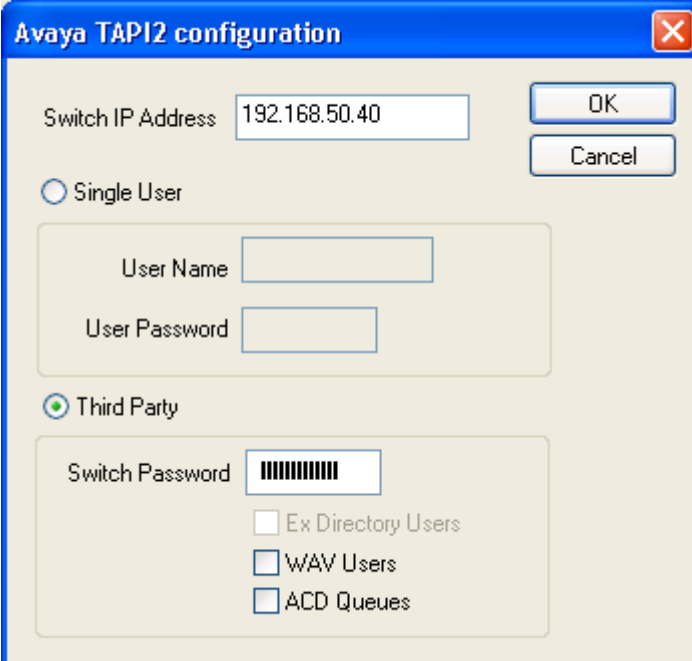
4.2. Configure TAPI Client Driver

Install the Avaya IP Office TAPI client on the PC where the NovaHotel IPO-TAPI server is installed.

The server has to be rebooted after the settings have been modified.

Parameter	Usage
Switch IP Address	Enter the IP address of the Avaya IP Office main unit.
Third Party	Select this radio button.
Switch Password	Enter the password assigned to Avaya IP Office.

Table 7: TAPI Client Configuration Parameters



Avaya TAPI2 configuration

Switch IP Address: 192.168.50.40

OK Cancel

☐ Single User

User Name: []

User Password: []

☒ Third Party

Switch Password: []

☐ Ex Directory Users

☐ WAV Users

☐ ACD Queues

Figure 8: TAPI Client Configuration Screen

4.3. Install and Configure NovaHotel IPO-TAPI Server

The screen shots and much of the corresponding installation instructions in this section are in French. The following is a (very) brief refresher course for those who may have forgotten their French:

Function Keys		Fields	
French	English	French	English
Annuler	Cancel	Chambre	Room
Aide	Help	Clef	Key
Créer	Create	Lancement	Launch
Installer	Install	Liaison	Connection
Modifier	Modify	Lits	Beds
Suivant	Next	Nom	Name
Parcourir	Browse	Place	Location
Précédent	Previous	Poste	Extension
Valider	Validate	Tarif	Price
Quitter	Quit		
Terminer	Finish		

Table 8: French / English Translation

Insert the NovaCom install media and let it auto-start the install tool. Click “NovaCom Client/Serveur”.

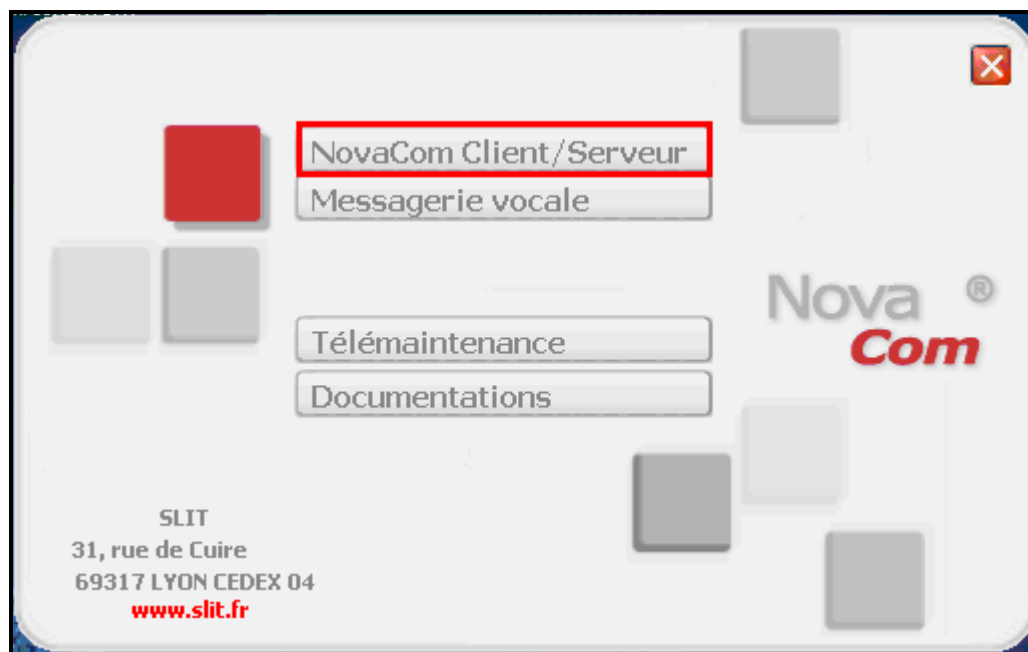


Figure 9: NovaCom Autostart Greeting Screen

Click “Suivant”.



Figure 10: NovaCom Server Installation Wizard Greeting Screen

Select the first radio button if you accept the license conditions and click “Suivant”.

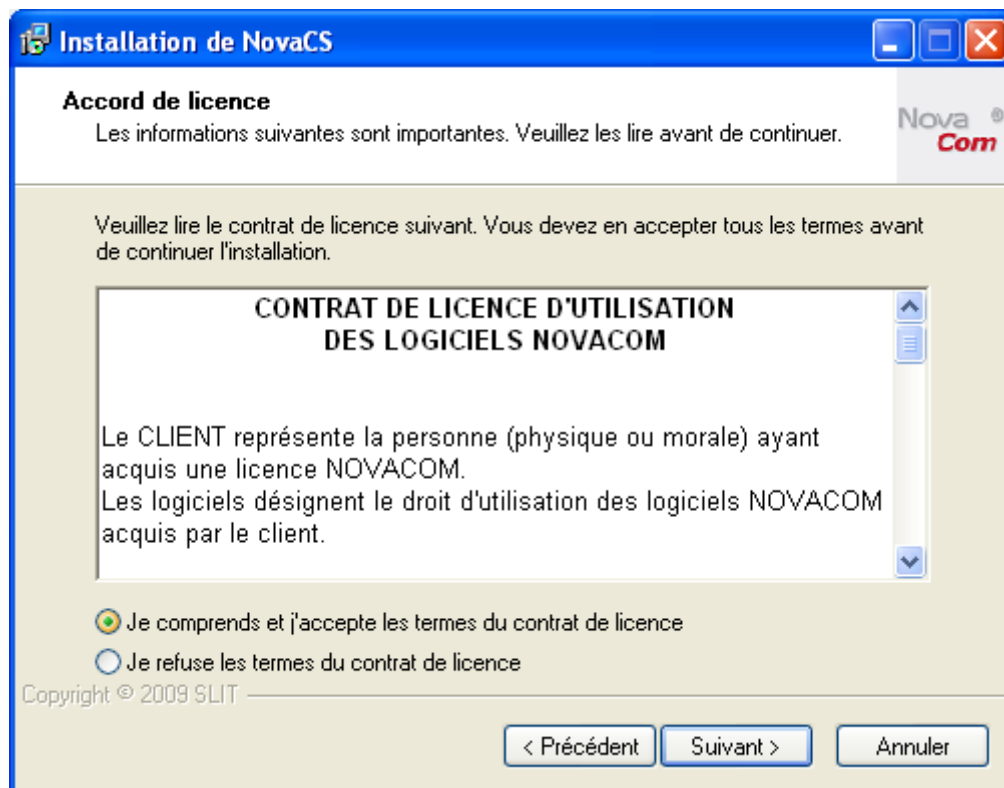
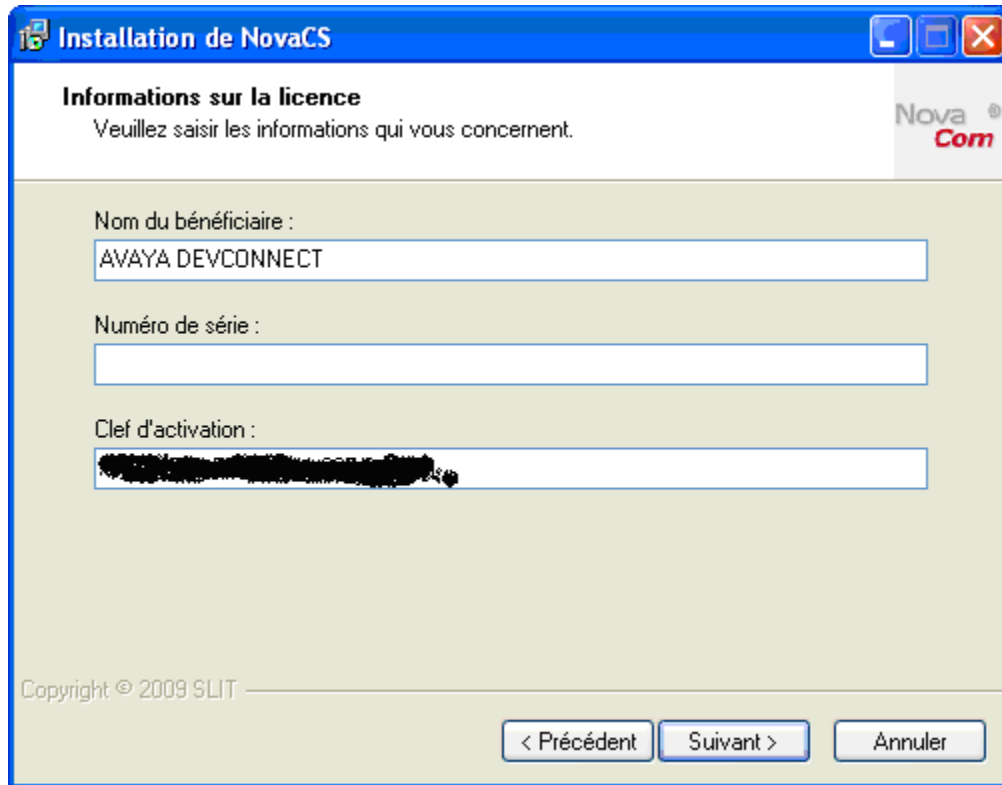


Figure 11: NovaCom License Acceptance Screen

Enter a user name in the first field and an activation code in the “Clef d’activation” field and click “Suivant”.



The screenshot shows a Windows-style window titled "Installation de NovaCS". The main heading is "Informations sur la licence" with the instruction "Veuillez saisir les informations qui vous concernent." in the top right corner, next to the "Nova Com" logo. The form contains three input fields: "Nom du bénéficiaire :" with the text "AVAYA DEVCONNECT", "Numéro de série :", and "Clef d'activation :". The activation key field is filled with a blacked-out code. At the bottom left, it says "Copyright © 2009 SLIT". At the bottom right, there are three buttons: "< Précédent", "Suivant >", and "Annuler".

Figure 12: NovaCom License Key Entry Screen

Click “Suivant” for subsequent screens until reaching the “Utilisateurs et profils” screen. Click “Suivant”.

Utilisateurs et profils

Gestion des utilisateurs Gestion des profiles Gestion des formats

Tous les utilisateurs **Droits par modules** **Utilisateurs connectés**

Rechercher par : Nom utilisateur ▼ Critère : 🔍 Grille...

Nom utilisateur	Nom détaillé	Administrateur	Confidentialité
ADMIN	Administrateur	x	1
TAXATION	Utilisateur taxation	-	0

Imprimer...

Cette page affiche la liste des utilisateurs, et permet d'ajouter, de modifier ou de supprimer des utilisateurs.

Créer... Modifier... Supprimer Import ...

Suivant >> << Précédent

Figure 13: User Profile Screen

For the “Numérotation” tab, enter the parameters shown in the following table and click “Suivant”.

Parameter	Usage
La numérotation externe	Enter the prefix used to dial external calls.
La numérotation abrégée	Enter the length of local extensions.
Nombre de chiffres...	Enter the number of digits used to dial an external number.

Table 9: Annuaire Numérotation Configuration Parameters

Annuaire

Hiérarchies et champs **Numérotation**

Poste obligatoire pour les abonnés : ☒

Préfixe pour :

- La numérotation externe :
- La numérotation abrégée :

Nombre de chiffres validant l'ajout du préfixe pour la numérotation externe :

Cette page permet le paramétrage de tous les champs de l'annuaire ainsi que les niveaux hiérarchiques de la suite.

Figure 14: Annuaire Numérotation Screen

For the “Chambres” tab, set the parameters as shown in the following table.

Parameter	Usage
Compte téléphonique	Check this box.
DHM	Select the “DHM sans attente” radio button.
Gestion des sorties permissionnaires	Check this box.

Table 10: Hôtel: Chambres Configuration Parameters

Hôtel

Comptes gérés

Compte téléphonique : ☒ **DHM**

Compte télévision : ☐ ☐ Pas de DHM

Compte divers : ☐ ☐ DHM avec attente

☒ DHM sans attente

Mode de fonctionnement

Chambres Comptes Factures Forfait SDA Télévision Dates

Si chambre occupée, le nouveau patient chasse l'occupant actuel : ☐

Si chambre occupée, le nouveau patient sort l'occupant actuel : ☐

Si chambre occupée, le nouveau patient est mis dans le couloir : ☐

Si chambre inconnue, alors arrivée ou mouvement impossible (erreur) : ☐

Possibilité de saisir directement le nom du lit lors de l'arrivée d'un patient : ☐

Gestion des sorties permissionnaires : ☒

Type de champs

Champs clients Champs lits

Fixes Libres Libres

Libellé	Obligatoire	Visibilité	Nb de caractères
Genre	Non	Géré	0
I.E.P.	Oui	Géré / Visible	0
I.P.P.	Oui	Géré / Visible	0
Prénom	Oui	Géré	0

Modifier Suivant >> << Précédent

Modifié

Cette page permet de configurer le fonctionnement ainsi que les champs du module Hôpital.

Figure 15: Hôtel: Chambres Configuration Screen

For the “Comptes” tab, check the “Lors de l’arrivée d’un guest, le compte téléphonique s’ouvre automatiquement” box and click “Suivant”.

Hôtel

Comptes gérés

Compte téléphonique : ☒

Compte télévision : ☐

Compte divers : ☐

DHM

☐ Pas de DHM

☐ DHM avec attente

☒ DHM sans attente

Mode de fonctionnement

Chambres Comptes Factures Forfait SDA Télévision Dates

Lors du départ d'un patient, le solde de son compte téléphonique est supprimé : ☐

Lors de l'arrivée d'un patient, le solde de son compte général est supprimé : ☐

même si le solde de son compte est négatif : ☐

Mouvement autorisé même si le tarif du nouveau lit est différent de l'ancien : ☐

Lors de l'arrivée d'un patient, le compte téléphonique s'ouvre automatiquement : ☒

Le coût de la dernière communication avant coupure est celui du seuil de coupure ☐

Cette page permet de configurer le fonctionnement ainsi que les champs du module Hôpital.

Type de champs

Champs clients Champs lits

Fixes Libres Libres

Libellé	Obligatoire	Visibilité	Nb de caractères
Genre	Non	Géré	0
I.E.P.	Non	Non géré	0
I.P.P.	Non	Non géré	0
Prénom	Oui	Géré	0

Modifier

Suivant >>

<< Précédent

Modifié

Figure 16: Hôtel: Comptes Configuration Screen

Double click on the first entry.

The screenshot shows a software window titled "Pabx". Inside, there is a table with three columns: "Nom", "Fil de l'eau", and "DHM". The first row is highlighted with a red border. Below the table, there are several buttons: "Ajouter", "Modifier", "Priorités DHM >>", "<< Précédent", and "Suivant >>".

Nom	Fil de l'eau	DHM
PABX1	FIL01	DHM1
PABX2	non	DHM2
PABX3	non	non

Figure 17: PBX Selection Screen

Click “Liaison” under “Fil de l’eau”.

Modification d'un Pabx

Nom : **PABX1** Rattaché au niveau hiérarchique : **Site** ... Eff.
Code pays où se situe le pabx : **0033** (France = 0033)

☒ Fil de l'eau

Liaison ... (Liaison "BT direct")

Opérateurs | Fonctionnement | Coût minimal

Taxation à la durée : ☐

Répertoire : Répertoire ... Opérateurs ...

Reconnaissance des opérateurs :

Opérateur	Identifiant	Valeur
-----------	-------------	--------

Ajouter Modifier Supprimer

Topologie

Pabx gérés par le fil de l'eau courant :

Nom

Pabx du site :

Nom
PABX2
PABX3

☐ DHM

Liaison ... (Liaison "Série directe")

Mise à jour des noms : administratifs ☐ dans le pabx.
hospitaliers ☐

Modifié

Cette page permet le paramétrage du Fil de l'Eau, des opérateurs, de la topologie de Fil de l'Eau, du DHM.

Figure 18: PBX Configuration Screen

Set the fields as shown in the following table and click “Modifier”.

Parameter	Usage
Type de liaison	Select “TCP/IP” from the drop-down menu.
Lancement	Select “Automatique” from the drop-down menu.
Modèle de Pabx	Select “IP_OFFICE” from the drop-down menu.
Address IP	Leave the value at the default of “0.0.0.0”. When running as a server, SLIT NovaHotel IPO-TAPI does not need to know the address of Avaya IP Office.
Protocole réseau	Select “tcp” from the drop-down menu.
N° du port	Enter an otherwise unused port number. This must match the value used in Figure 2 .
Mode serveur	Click this box.

Table 11: CDR Connection Configuration Parameters

Figure 19: Connection Configuration Screen

Verify that the “Fil de l’eau” Liaison is “TCP/IP”. Enter the international dial code for country in which the server is located and click “Modifier”. Click “Liaison” under the “DHM” heading.

The screenshot shows the 'Modification d'un Pabx' window. The 'Nom' field is 'PABX1'. The 'Rattaché au niveau hiérarchique' is 'Site'. The 'Code pays où se situe le pabx' is '0049'. The 'Fil de l'eau' section is checked, and the 'Liaison' is 'TCP/IP'. The 'DHM' section is also checked, and the 'Liaison' is 'Série directe'. The 'Topologie' section shows 'Pabx gérés par le fil de l'eau courant' and 'Pabx du site'.

Modification d'un Pabx

Nom : PABX1 Rattaché au niveau hiérarchique : Site Eff.

Code pays où se situe le pabx : 0049 (France = 0033)

☒ Fil de l'eau

Liaison ... (Liaison "TCP/IP")

Opérateurs Fonctionnement Coût minimal

Taxation à la durée : ☐

Répertoire : Répertoire ... Opérateurs ...

Reconnaissance des opérateurs :

Opérateur	Identifiant	Valeur
-----------	-------------	--------

Ajouter Modifier Supprimer

Topologie

Pabx gérés par le fil de l'eau courant :

Nom

Pabx du site :

Nom
PABX2
PABX3

☒ DHM

Liaison ... (Liaison "Série directe")

Mise à jour des noms : administratifs ☐ dans le pabx.
hospitaliers ☐

Modifié

Cette page permet le paramétrage du Fil de l'Eau, des opérateurs, de la topologie de Fil de l'Eau, du DHM.

Modifier Annuler Aide

Figure 20: PBX Configuration after Connection Selection Screen

Select the fields as shown and click “Paramétrer le DHM”:

Modification d'une liaison

Type de liaison : TAPI

Transparence DHM
Archivage : ☐ conservation de 30 jours.

Gestion des films vocaux : Poste : ☐ Clef localisée : ☐ Clef généralisée : ☐

Lancement : Automatique

A partir d'un serveur distant :

Paramètres supplémentaires :

Modèle de Pabx : IP OFFICE

Paramétrer le DHM

Marque : AVAYA
Modèle : IP OFFICE
Version : 1
Commentaire : Fonctionnement par TAPI
Liaison : 9600 bauds, bits de données = 8, parité = N, bits de stop = 1

Modifier
Annuler
Aide

Modifié

Figure 21: Protocol Configuration Screen

Click “Valider” without entering a password.

Mot de passe PABX

Sécurité

Mot de passe :

Valider
Annuler

Figure 22: TAPI Client Configuration Screen

Enter “checkin” and “checkout” parameters as shown and click “Valider”.

[illegible]

Figure 23: User Rights Configuration Screen

Click “Modifier” to confirm the changes.

Modification d'une liaison

Type de liaison : TAPI

Transparence DHM

Archivage : ☐ conservation de 30 jours.

Gestion des films vocaux : Poste : ☐ Clef localisée : ☐ Clef généralisée : ☐

Lancement : Automatique

A partir d'un serveur distant :

Paramètres supplémentaires :

Modèle de Pabx : IP OFFICE

Paramétrer le DHM

Marque : AVAYA

Modèle : IP OFFICE

Version : 1

Commentaire : Fonctionnement par TAPI

Liaison : 9600 bauds, bits de données = 8, parité = N, bits de stop = 1

Modifié

Modifier

Annuler

Aide

Figure 24: Connection Modification Confirmation Screen

Verify that the “DHM” “Liaison” is “TAPI”. Click “Modifier”.

Modification d'un Pabx

Nom : **PABX1** Rattaché au niveau hiérarchique : **Site** ... Eff.
Code pays où se situe le pabx : **0049** (France = 0033)

☒ Fil de l'eau
Liaison ... (Liaison "TCP/IP")

Opérateurs Fonctionnement Coût minimal

Taxation à la durée : ☐

Répertoire : Répertoire ... Opérateurs ...

Reconnaissance des opérateurs :

Opérateur	Identifiant	Valeur
-----------	-------------	--------

Ajouter Modifier Supprimer

☒ DHM
Liaison ... (Liaison "TAPI")

Mise à jour des noms : administratifs ☐ dans le pabx.
hospitaliers ☐

Topologie
Pabx gérés par le fil de l'eau courant :
Nom

Pabx du site :
Nom
PABX2
PABX3

Modifier Annuler Aide

Cette page permet le paramétrage du Fil de l'Eau, des opérateurs, de la topologie de Fil de l'Eau, du DHM.

Modifié

Figure 25: PBX Modification Confirmation Screen

Click “Suivant” on subsequent screens until reaching the Completion Confirmation Screen. Click “Terminer”.

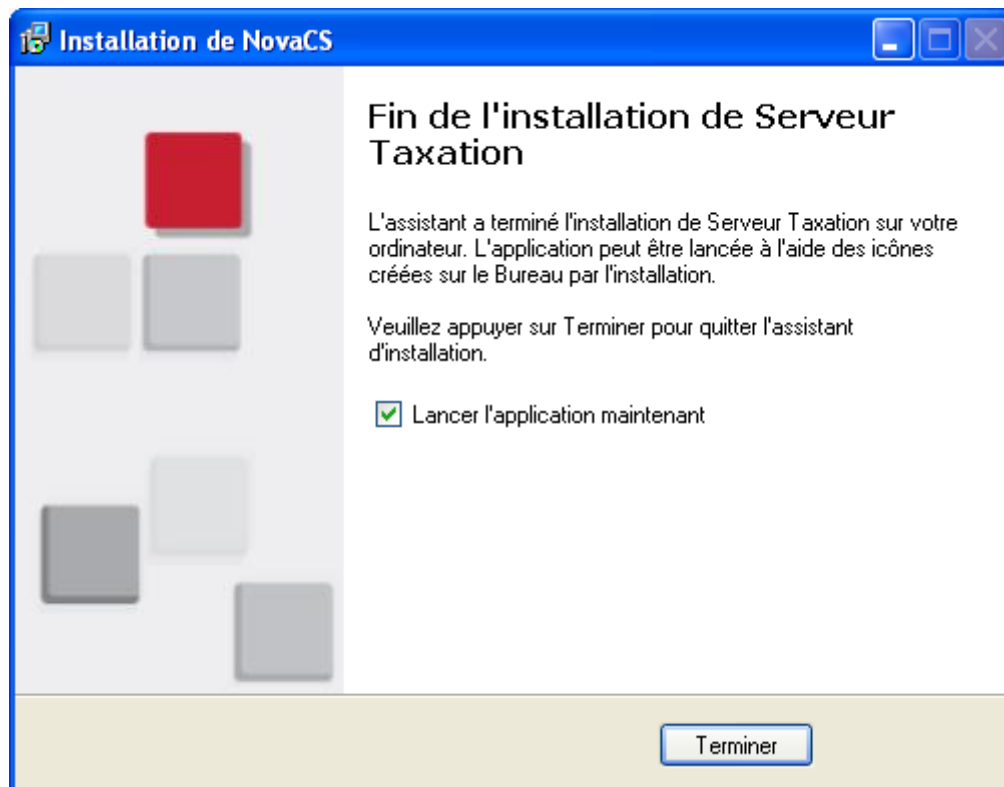


Figure 26: Completion Confirmation Screen

4.4. Configure the NovaHotel IPO-TAPI Client

The NovaHotel client is a web-based application which can be run from any web browser with connectivity to the NovaHotel server. The NovaHotel client does not need to be configured.

5. General Test Approach and Test Results

The compliance testing done between SLIT NovaHotel IPO-TAPI and Avaya IP Office was performed manually. The tests were all functional in nature, and no performance testing was done. All tests which were performed produced the expected result. **Section 1.1** contains a list of tests which were performed.

6. Verification Steps

The correct installation and configuration of NovaHotel IPO-TAPI server can be verified by performing the steps shown below.

1. Double click on the “man with a red cap” icon in Systray (highlighted by oval) in order to view the “Gardien NovaCS” window.

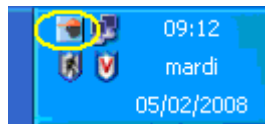


Figure 27: Systray Screen

2. Double click on the DHMx entry in the screen (the number after DHM may vary depending on the number of PBX) in order to view the "NovaDHM" window

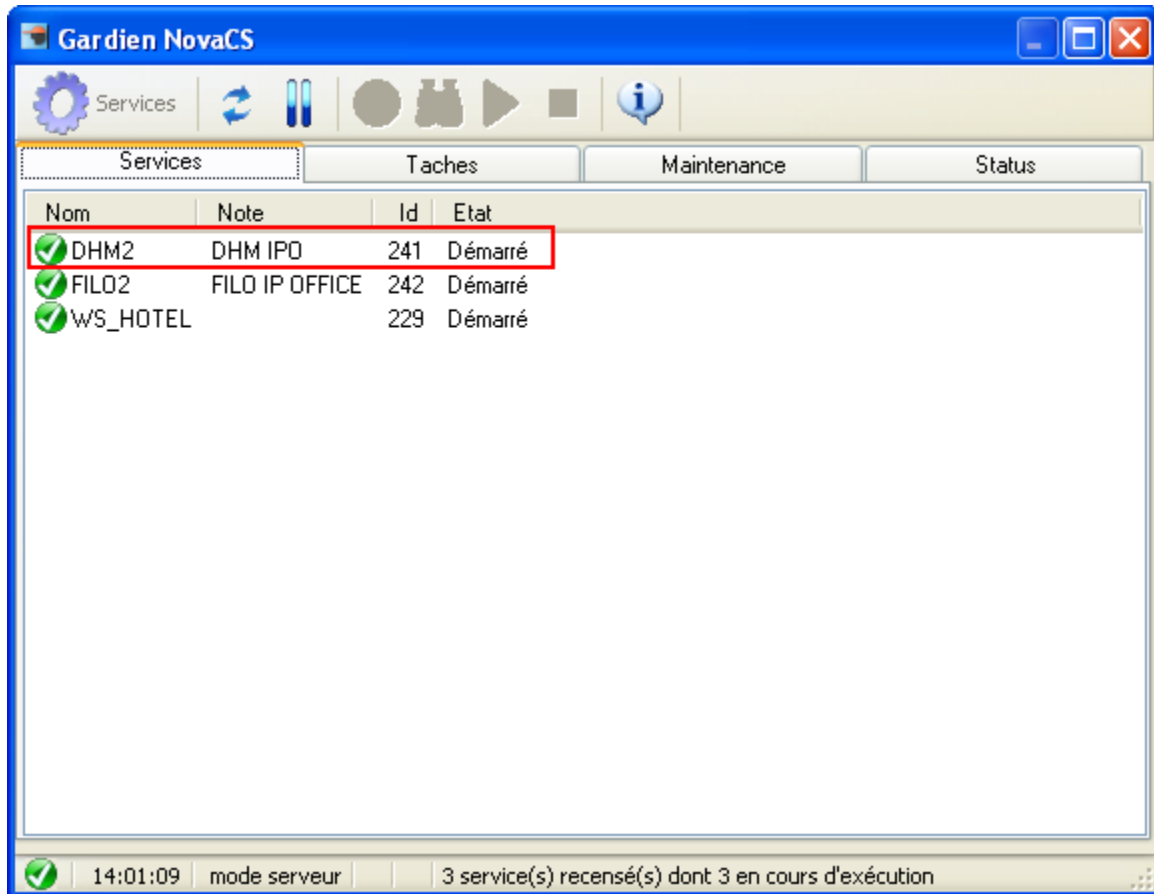


Figure 28: Gardien NovaCS Screen

3. Create a guest arrival from the NovaHotel module. When all parameters are correctly set, the magenta text should display the list of extensions and the green text should display the command for opening the extension.

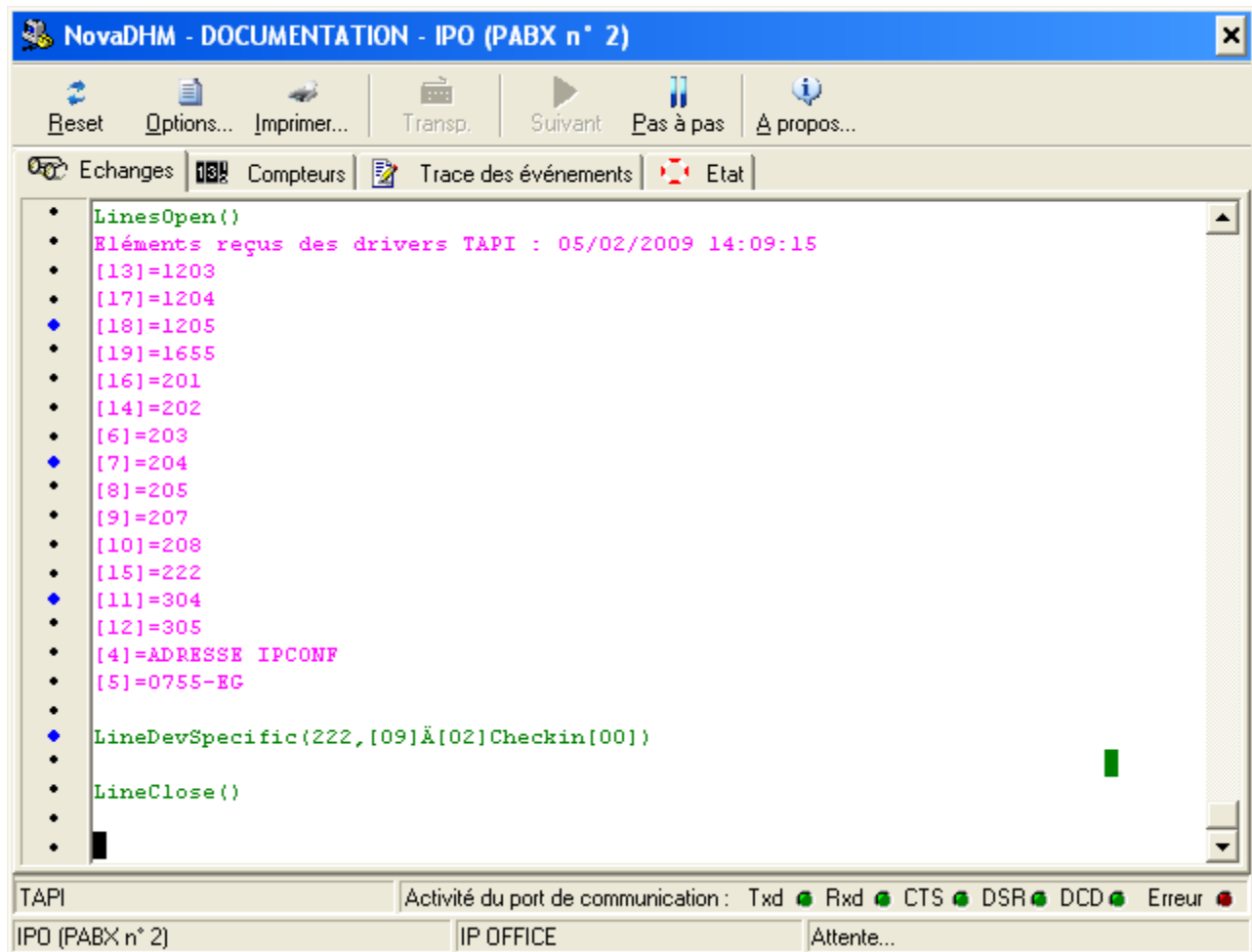
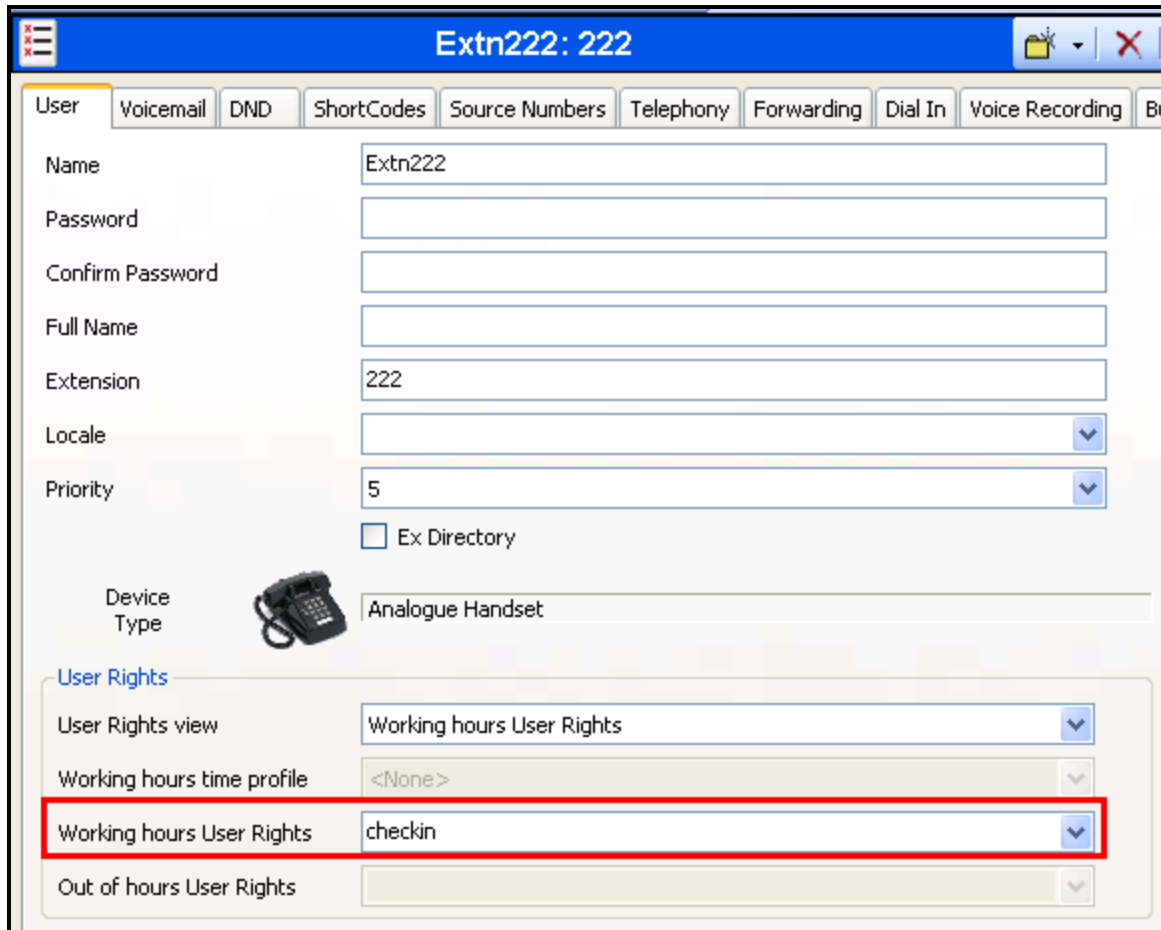


Figure 29: NovaDHM Trace Screen

- Using IP Office Manager, verify that the user rights of the extension have been changed to reflect the checkin operation.



The screenshot shows the 'User Rights' configuration window for extension 222. The window has a blue header bar with the title 'Extn222: 222'. Below the header is a tabbed interface with tabs for 'User', 'Voicemail', 'DND', 'ShortCodes', 'Source Numbers', 'Telephony', 'Forwarding', 'Dial In', 'Voice Recording', and 'Bu'. The 'User' tab is selected. The form contains the following fields:

- Name: Extn222
- Password: (empty)
- Confirm Password: (empty)
- Full Name: (empty)
- Extension: 222
- Locale: (dropdown menu)
- Priority: 5
- ☐ Ex Directory
- Device Type: Analogue Handset (with a telephone handset icon)

Below these fields is a section titled 'User Rights' with a yellow background. It contains four dropdown menus:

- User Rights view: Working hours User Rights
- Working hours time profile: <None>
- Working hours User Rights: checkin (highlighted with a red box)
- Out of hours User Rights: (empty)

Figure 30: IPO User Rights after Checkin Screen

7. Conclusion

These Application Notes contain instructions for configuring Avaya IP Office to connect to the NovaHotel IPO-TAPI. A list of instructions is provided to enable the user to verify that the various components have been correctly configured.

8. Additional References

This section references documentation relevant to these Application Notes. The Avaya product documentation is available at <http://support.avaya.com>.

- [1] *Administrator Guide for Avaya IP Office*, January 2008, Issue 4.0, Document Number 03-300509.
- [2] *Feature Description and Implementation for Avaya IP Office*, January 2008, Issue 6, Document Number 555-245-205.
- [3] NovaHotel IPO-TAPI Product Description: NovaHotel.pdf v4.1 (delivered with the NOVA CD)

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