

iPECS LIK System P6.0

(iPECS-LIK-TRA-02-001)

20 May, 2013

REVISION HISTORY

| ISSUE | DATE | DESCRIPTION OF CHANGES |
|-------|-----------|------------------------|
| 1.0 | 20-May-13 | Preliminary release |
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- Security Enhancement
- New devices and Applications
- Features

1. Security Enhancement

- ✚ IP Authentication
- ✚ 407 Authentication
- ✚ ID and Password (any one can not see password)
- ✚ TLS and password encryption
- ✚ Access control
- ✚ Database download (compressed DB – user can not see it by editor)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------------|-------|--------------|--|---|---------------|----|--|--------------------------|---|-----------------|-------|--|---|---|---------------------|---|------------|--|---|--------------------|---|---------|--|---|--------------------|---|-----------|--|---|------------|--|--------------|--|
| <div> <div> Board Based Data CO Line Data System Data Station Group Data ISDN Line Data SIP Data SIP Common Attributes(210) [N] SIP CO Attributes(133) [N] </div> <div> <div> SIP MESSAGE BLOCKING OPTION </div> <table border="1"> <tr> <td>1</td> <td>IP AUTH USAGE</td> <td>ON</td> <td></td> <td>Server IP and SIP Ext IP</td> </tr> <tr> <td>2</td> <td>Remote REGISTER</td> <td>ALLOW</td> <td></td> <td>REGISTER from FMC or Remote SIP Ext(IP AUTH USAGE:ON)</td> </tr> <tr> <td>3</td> <td>REGISTER Check Time</td> <td>0</td> <td>0-3600 sec</td> <td>Time for checking invalid remote REGISTER(Remote REGISTER:ALLOW)</td> </tr> <tr> <td>4</td> <td>REGISTER Threshold</td> <td>0</td> <td>0-60000</td> <td>Max number of invalid remote REGISTER(Remote REGISTER:ALLOW)</td> </tr> <tr> <td>5</td> <td>REGISTER Lock Time</td> <td>0</td> <td>0-360 min</td> <td>Blocking Time for remote REGISTER(Remote REGISTER:ALLOW)</td> </tr> </table> <div> SIP SMS OPTION </div> <table border="1"> <tr> <td>1</td> <td>SMS Domain</td> <td></td> <td>Max 32 Chars</td> <td></td> </tr> </table> <div> SIP FAX OPTION </div> </div> </div> | | | | | 1 | IP AUTH USAGE | ON | | Server IP and SIP Ext IP | 2 | Remote REGISTER | ALLOW | | REGISTER from FMC or Remote SIP Ext(IP AUTH USAGE:ON) | 3 | REGISTER Check Time | 0 | 0-3600 sec | Time for checking invalid remote REGISTER(Remote REGISTER:ALLOW) | 4 | REGISTER Threshold | 0 | 0-60000 | Max number of invalid remote REGISTER(Remote REGISTER:ALLOW) | 5 | REGISTER Lock Time | 0 | 0-360 min | Blocking Time for remote REGISTER(Remote REGISTER:ALLOW) | 1 | SMS Domain | | Max 32 Chars | |
| 1 | IP AUTH USAGE | ON | | Server IP and SIP Ext IP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Remote REGISTER | ALLOW | | REGISTER from FMC or Remote SIP Ext(IP AUTH USAGE:ON) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1 | SMS Domain | | Max 32 Chars | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

2. New devices and Applications

-  LIP-8002E/8008E/8012E/8024E/8040E
- LLDP / Gigabit / XML
-  LDP-9012/9024/9030
-  GDC-600BE
-  ISDN S0 (using BRIM, no power feeding)
-  IP Communicator (Android / iOS)
-  CCS
-  IP Attendant (Office / Hotel)
-  UDM P2
-  NMS P2
-  UCS 3.0
-  WIT-400HE
-  LIP-9070
-  GDC-500H
-  SIP VM

3. Features (E-mail and Attendant notification)

- ✚ Add message type (Urgent / Normal)

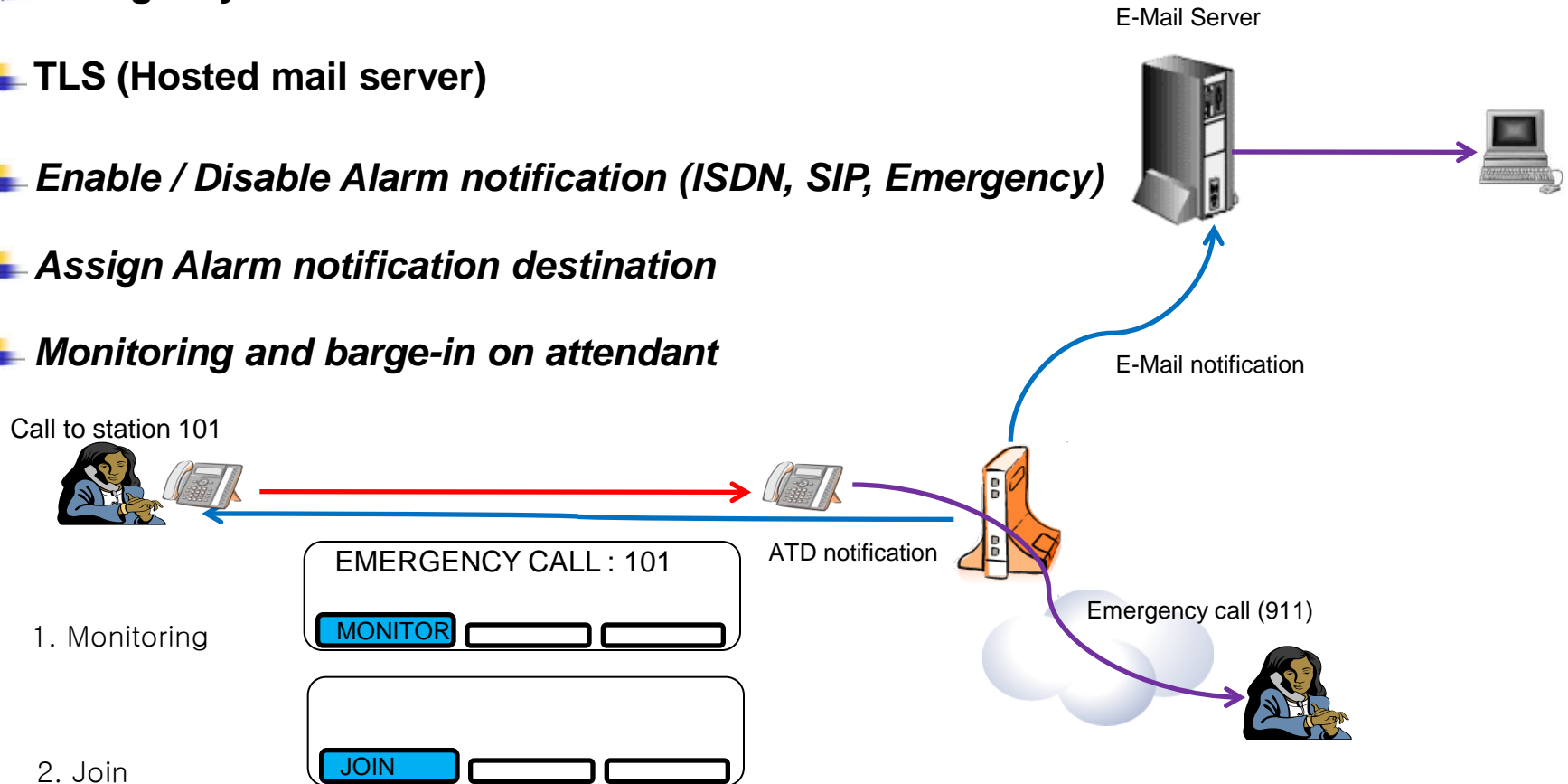
- ✚ Emergency call : E-mail notification

- ✚ TLS (Hosted mail server)

- ✚ *Enable / Disable Alarm notification (ISDN, SIP, Emergency)*

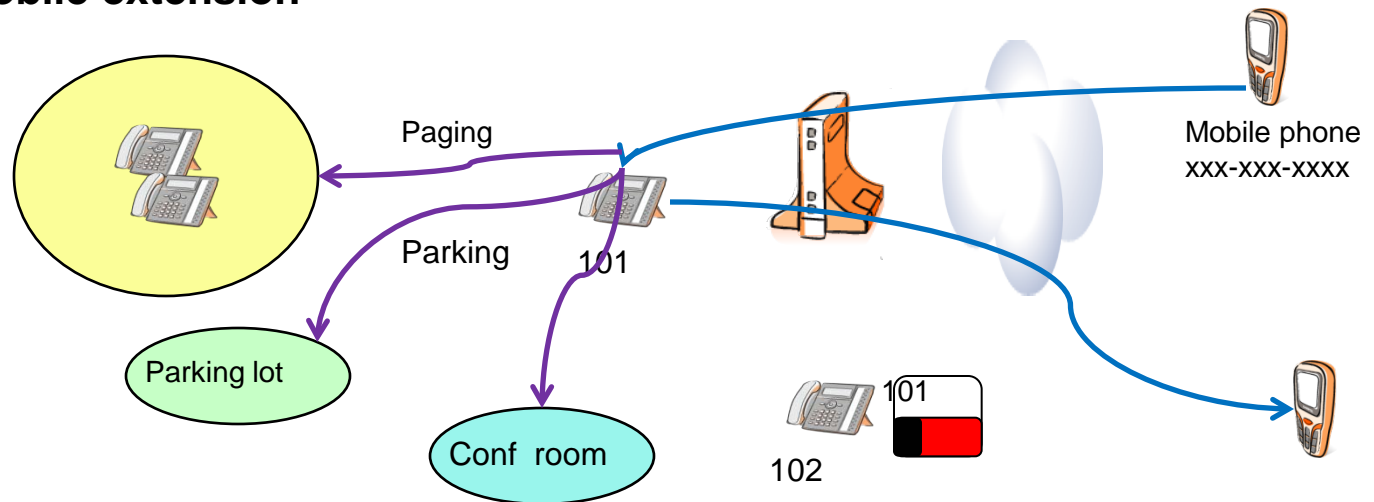
- ✚ *Assign Alarm notification destination*

- ✚ *Monitoring and barge-in on attendant*



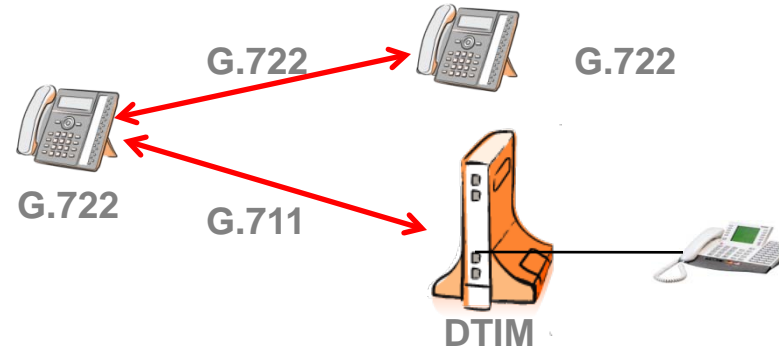
3. Features (Mobile extension)

- Call park / Paging / Conference room
(voice prompt should be recorded)
- Call recoring
- Mobile phone presence with TDC(Http/Soap), Sonofon(Http/Text), *Telia*
- CLI call back (Auto / Manual)
- Delayed mobile extension



3. Features (G.722)

Basic call: LIP-8000, LIP-8000E, WIT-400HE, LIP-9000, VOIM, MCIM

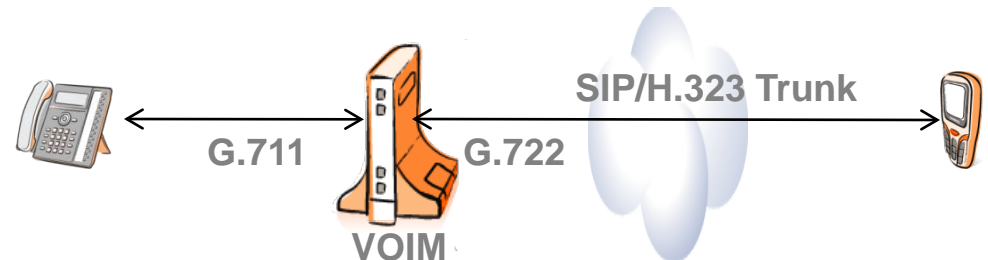


Conference call (MCIM, 8050V, LIP-8000E, LIP-9000)



Trans coding

G.711, G.723, G.729, G.722



3. Features (Web browser)

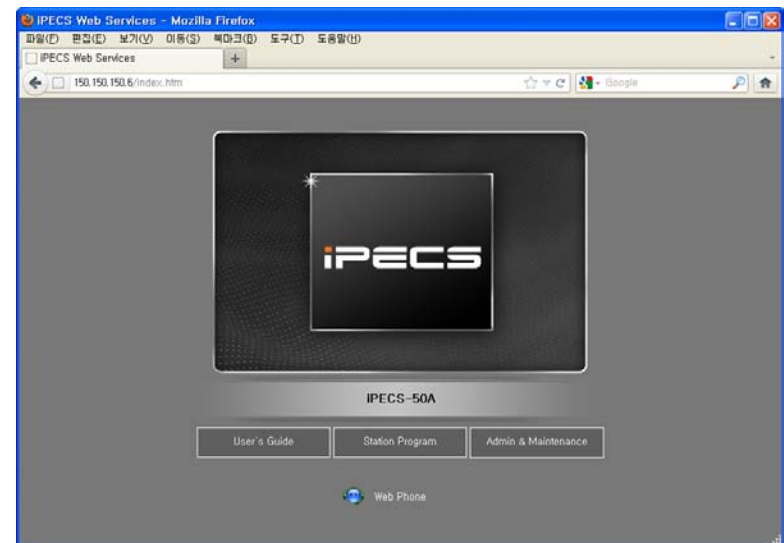
HTML version 4.1

-. Micro soft Internet Explorer



-. Google Chrome

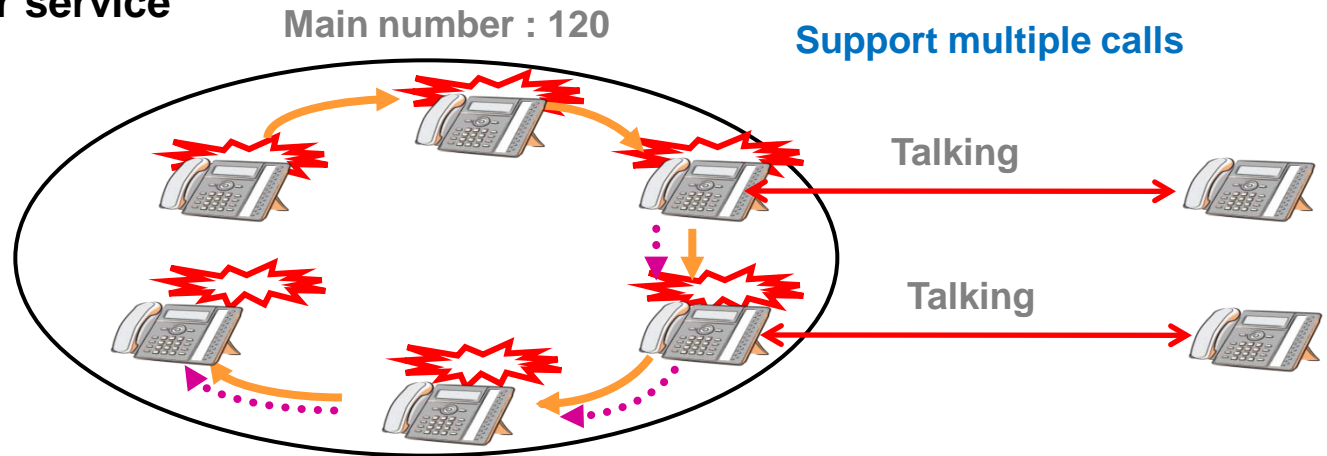
-. Mozilla Fire Fox



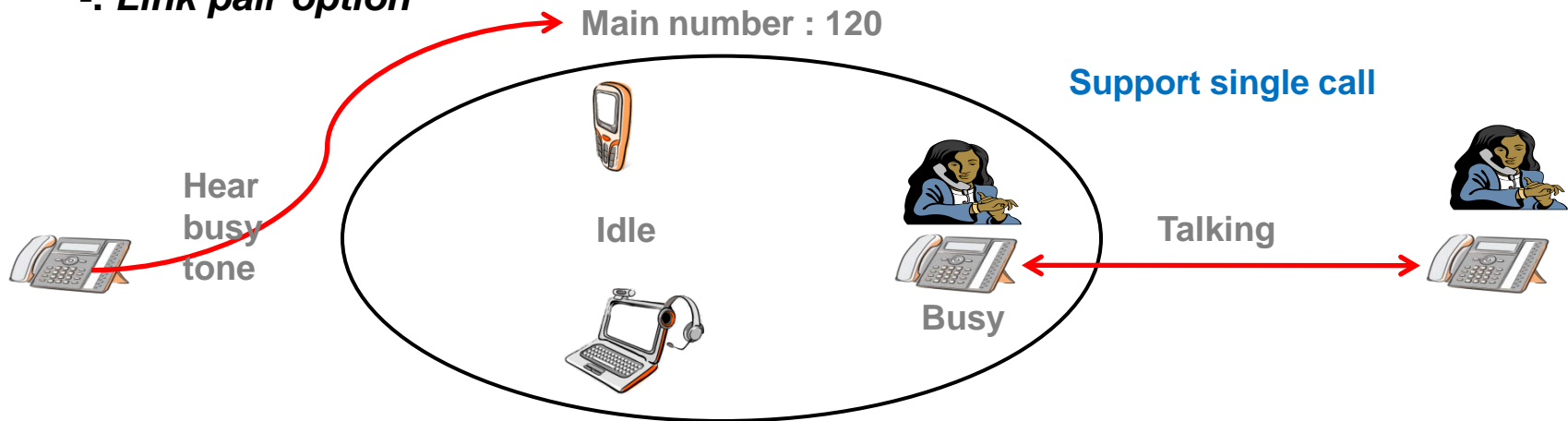
3. Features (Personal group / Suit room)

Personal group / Suit room

- One number service



- Link pair option



3. Features (VSF/VMIM features)

- Message Types

Regular / Urgent / Private / Future Delivery / Delivery Confirmation

- Message Retrieve

Pause / Rewind / Fast Forward

- Mailbox Attributes

Class Of Service / Announce Only Mailbox / Message Cascade

- Main Menu Attributes

Send Message / Distribution List / Administrator Mailbox

- Call Routing

Company Directory

- Maintenance

Remote System Greeting Record


3. Features (SIP VM)

 Call recording

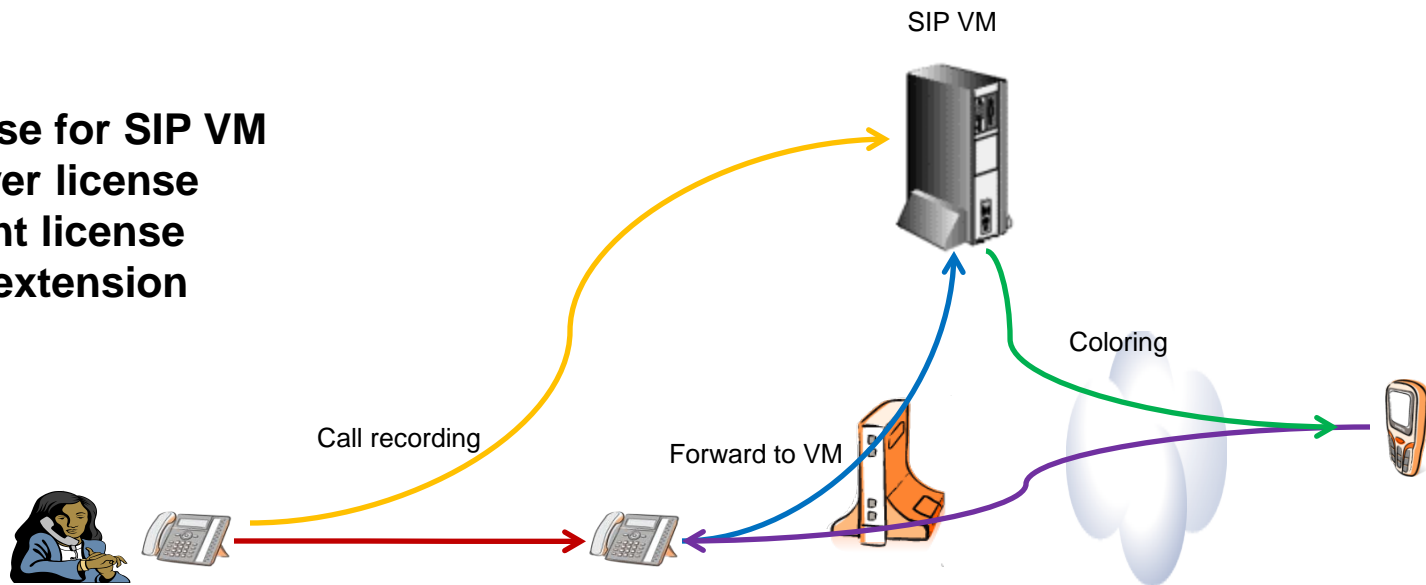
 VM / UMS

 Color ring

 IVR

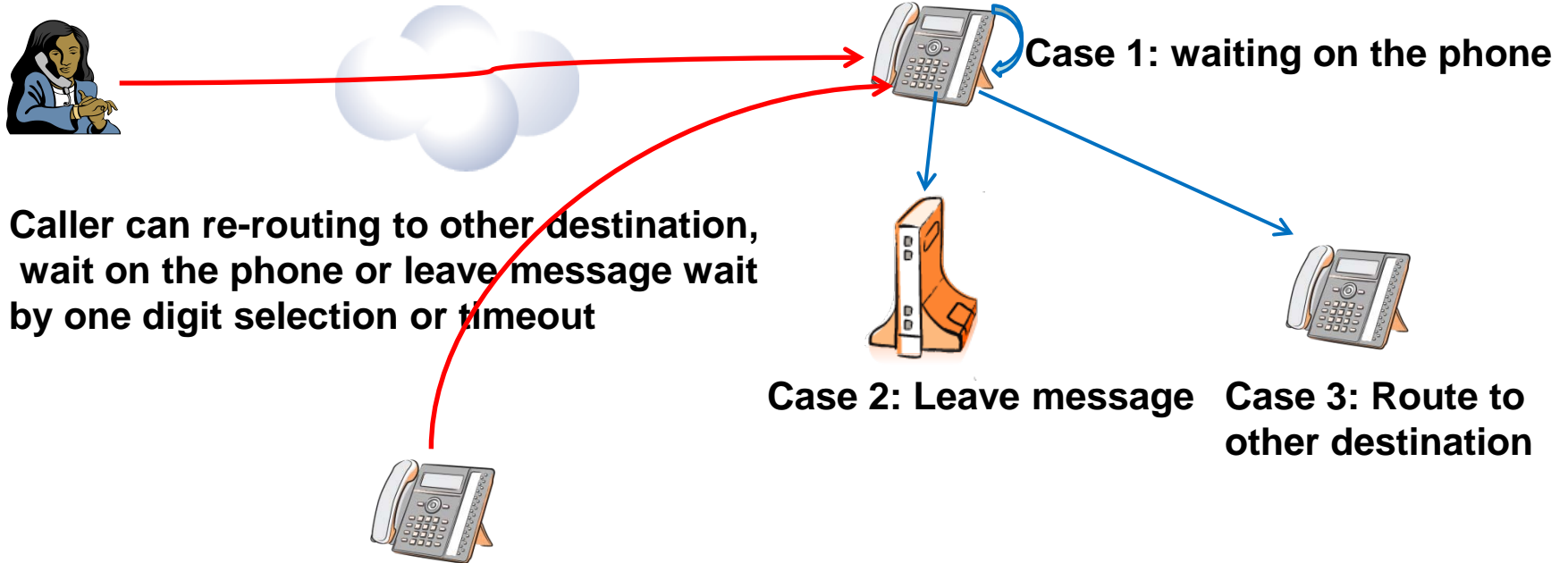
 License for SIP VM

- Server license
- Client license
- SIP extension

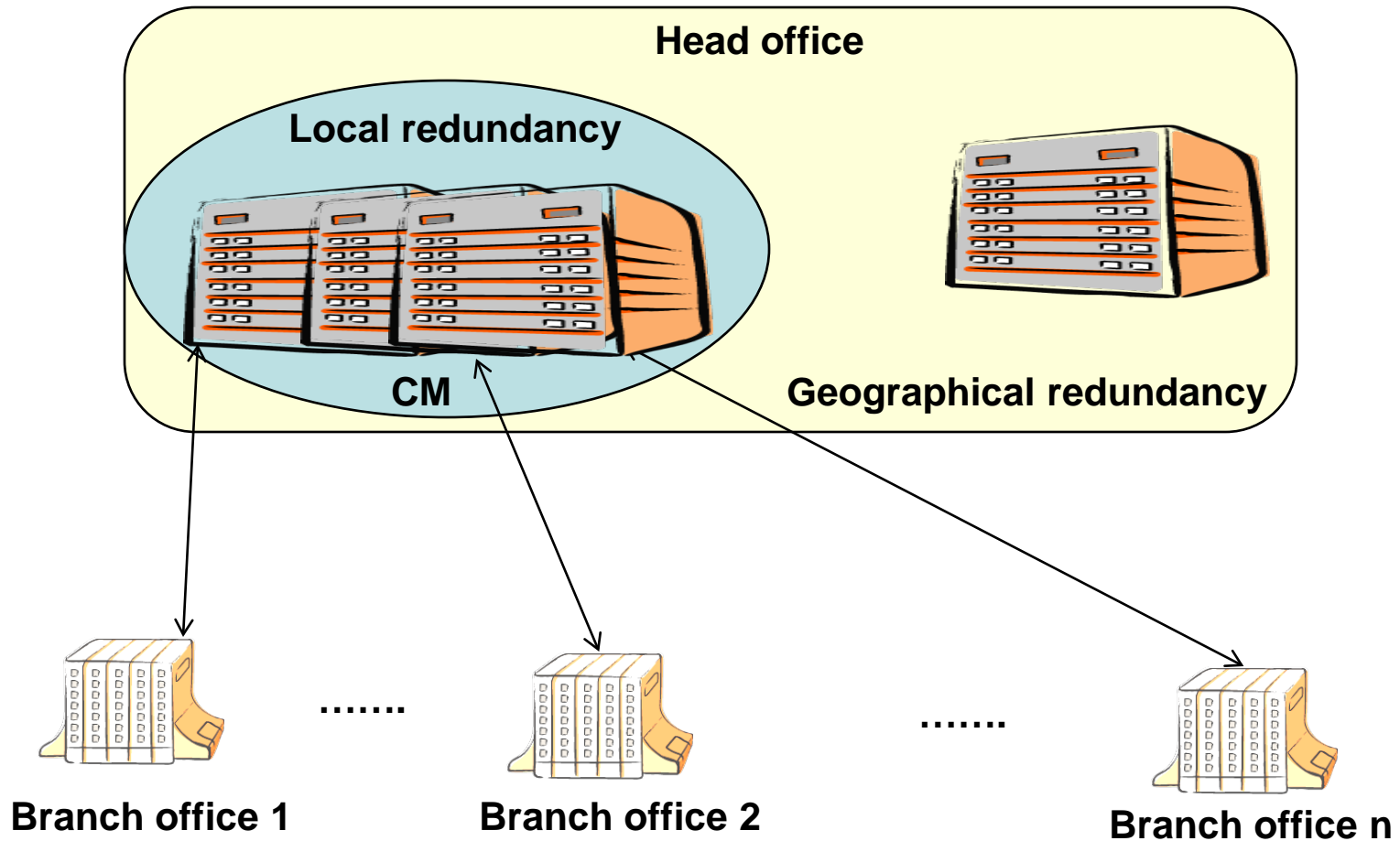


3. Features (Personal CCR)

Call forward to VSF/VM



3. Features (Local survival with CM)



3. Features (Hotel features)

- ✚ IP Attendant – PMS features
- ✚ Suit room control by PMS
- ✚ Guest language change by Fidelio (PMS)
- ✚ Register mini-bar information in room
- ✚ Pre-paid call
- ✚ DND call forward to VSF (PGM + #92)
- ✚ *Send SMS message when check out*
- ✚ Customer information(Street/ Company name)
- ✚ Wakeup setting announcement
- ✚ Preserve User greeting
- ✚ Set/Cancel DND/Call forward on front desk

Administration
S/W Upgrade
System Management
Log Out

[Check-In/Modify]

Room No 72005

| Attribute | Value | Remark |
|------------------|--|---------------------------------------|
| Guest Name | <input type="text"/> | Max 20 Characters |
| COS | Day: <input type="text"/> Night: <input type="text"/> | |
| Wake-Up | HH: <input type="text"/> MM: <input type="text"/> One-Time <input type="button" value="v"/> | Available, New 5 Wake Up Usage is OFF |
| Wake-Up Alarm 1 | HH: <input type="text"/> MM: <input type="text"/> INACTIVE <input type="button" value="v"/> YY: <input type="text"/> MM: <input type="text"/> DD: <input type="text"/> | Available, New 5 Wake Up Usage is ON |
| Wake-Up Alarm 2 | HH: <input type="text"/> MM: <input type="text"/> INACTIVE <input type="button" value="v"/> YY: <input type="text"/> MM: <input type="text"/> DD: <input type="text"/> | Available, New 5 Wake Up Usage is ON |
| Wake-Up Alarm 3 | HH: <input type="text"/> MM: <input type="text"/> INACTIVE <input type="button" value="v"/> YY: <input type="text"/> MM: <input type="text"/> DD: <input type="text"/> | Available, New 5 Wake Up Usage is ON |
| Wake-Up Alarm 4 | HH: <input type="text"/> MM: <input type="text"/> INACTIVE <input type="button" value="v"/> YY: <input type="text"/> MM: <input type="text"/> DD: <input type="text"/> | Available, New 5 Wake Up Usage is ON |
| Wake-Up Alarm 5 | HH: <input type="text"/> MM: <input type="text"/> INACTIVE <input type="button" value="v"/> YY: <input type="text"/> MM: <input type="text"/> DD: <input type="text"/> | Available, New 5 Wake Up Usage is ON |
| ICM Call | NO <input type="button" value="v"/> | |
| GRP | <input type="text"/> | 00-99 |
| Auth Code | <input type="text"/> | |
| Pre-Paid | <input type="text"/> | 0-999999 |
| Call Charge Rate | <input type="text"/> | 0-5 |
| Multi Language | Prompt1 <input type="button" value="v"/> | |
| Wake-Up Annc | 0 <input type="text"/> | 00-70(00:default) |
| Company Name | <input type="text"/> | Max 30 Characters |
| Street Address | <input type="text"/> | Max 70 Characters |

MiniBar Announcement
00-70 (00 - Not Used)

Wake-Up Announcement (00-70, 00:default)

Preserve User Greeting
OFF

3. Features (Others)

 SLT message wait (Voltage / FSK / Polarity Reversal)

 Polish / Greek / French Prompt and LCD display

 ISDN Layer trace
Mon>t s idn

 One digit option on CCR

 Differential ring for DKTU

 Off-hook ring type – station base

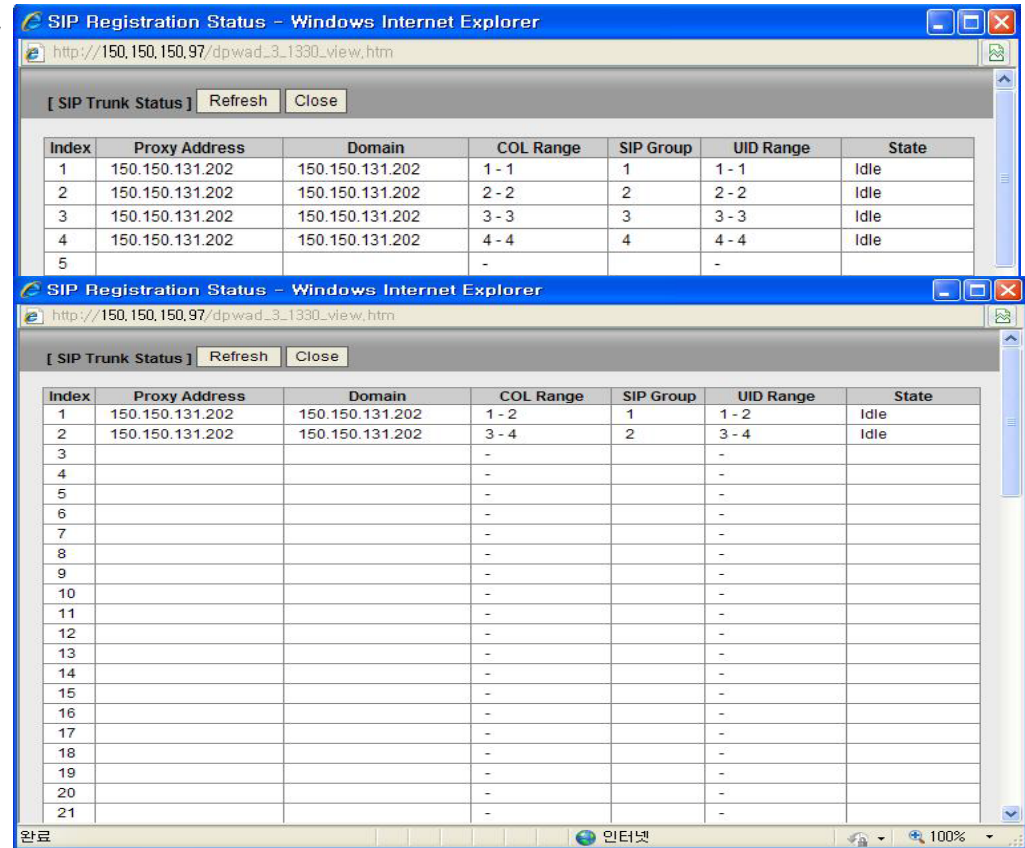
 DND option (All / External / Internal)

 Separate gain for DKTU / SIP (from IP phone)

 PPTP URL support

3. Features (Others)

- ✚ Preselect message (provide user greeting)
- ✚ Default VM group
- ✚ Cancel call back
- ✚ Multiple ID for one service provider
- ✚ Link menu for hunt group
- ✚ *Access control for station web admin*
- ✚ One-touch account code LED control
- ✚ Flashing rate for Hunt DND (One/off duty)



The screenshot displays two instances of the 'SIP Registration Status' web interface. The top instance shows a table with 5 rows of registration data. The bottom instance shows a table with 21 rows of registration data.

SIP Registration Status - Windows Internet Explorer
http://150.150.150.97/dpwad_3_1330_view.htm

[SIP Trunk Status] Refresh Close

| Index | Proxy Address | Domain | COL Range | SIP Group | UID Range | State |
|-------|-----------------|-----------------|-----------|-----------|-----------|-------|
| 1 | 150.150.131.202 | 150.150.131.202 | 1 - 1 | 1 | 1 - 1 | Idle |
| 2 | 150.150.131.202 | 150.150.131.202 | 2 - 2 | 2 | 2 - 2 | Idle |
| 3 | 150.150.131.202 | 150.150.131.202 | 3 - 3 | 3 | 3 - 3 | Idle |
| 4 | 150.150.131.202 | 150.150.131.202 | 4 - 4 | 4 | 4 - 4 | Idle |
| 5 | | | - | | - | |

SIP Registration Status - Windows Internet Explorer
http://150.150.150.97/dpwad_3_1330_view.htm

[SIP Trunk Status] Refresh Close

| Index | Proxy Address | Domain | COL Range | SIP Group | UID Range | State |
|-------|-----------------|-----------------|-----------|-----------|-----------|-------|
| 1 | 150.150.131.202 | 150.150.131.202 | 1 - 2 | 1 | 1 - 2 | Idle |
| 2 | 150.150.131.202 | 150.150.131.202 | 3 - 4 | 2 | 3 - 4 | Idle |
| 3 | | | - | | - | |
| 4 | | | - | | - | |
| 5 | | | - | | - | |
| 6 | | | - | | - | |
| 7 | | | - | | - | |
| 8 | | | - | | - | |
| 9 | | | - | | - | |
| 10 | | | - | | - | |
| 11 | | | - | | - | |
| 12 | | | - | | - | |
| 13 | | | - | | - | |
| 14 | | | - | | - | |
| 15 | | | - | | - | |
| 16 | | | - | | - | |
| 17 | | | - | | - | |
| 18 | | | - | | - | |
| 19 | | | - | | - | |
| 20 | | | - | | - | |
| 21 | | | - | | - | |

3. Features (Others)

 ***Forced account code***

 ***Backup ACL information***

 ***Html title name***

 ***Web phone icon***

 ***Over view of zone attributes***

 **Override DND and call forward**

 **Multi language retry count (PGM 437)**

 **Change system date/time by TCP or Serial**

iPECS

Your Communications Solution