

SCM Configuration Guide for WE VoIP



Contents

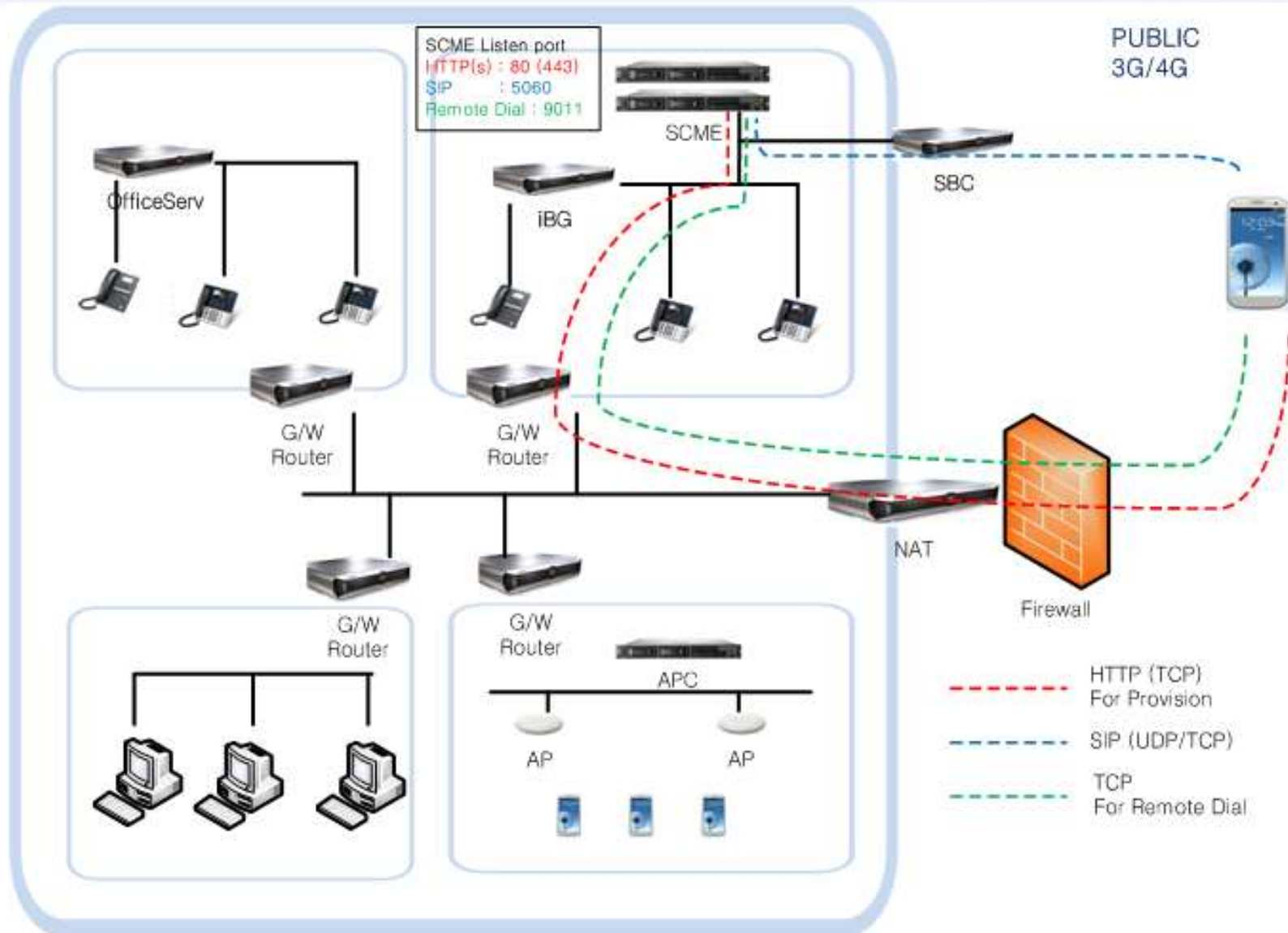
- | Chapter1. Basic Configuration
- | Chapter2. Call Move
- | Chapter3. Smart Routing
- | Chapter4. Inter SCME Smart Routing
- | Chapter5. Smart Handover
- | Chapter6. mVoIP
- | Chapter7.

Chapter 1.

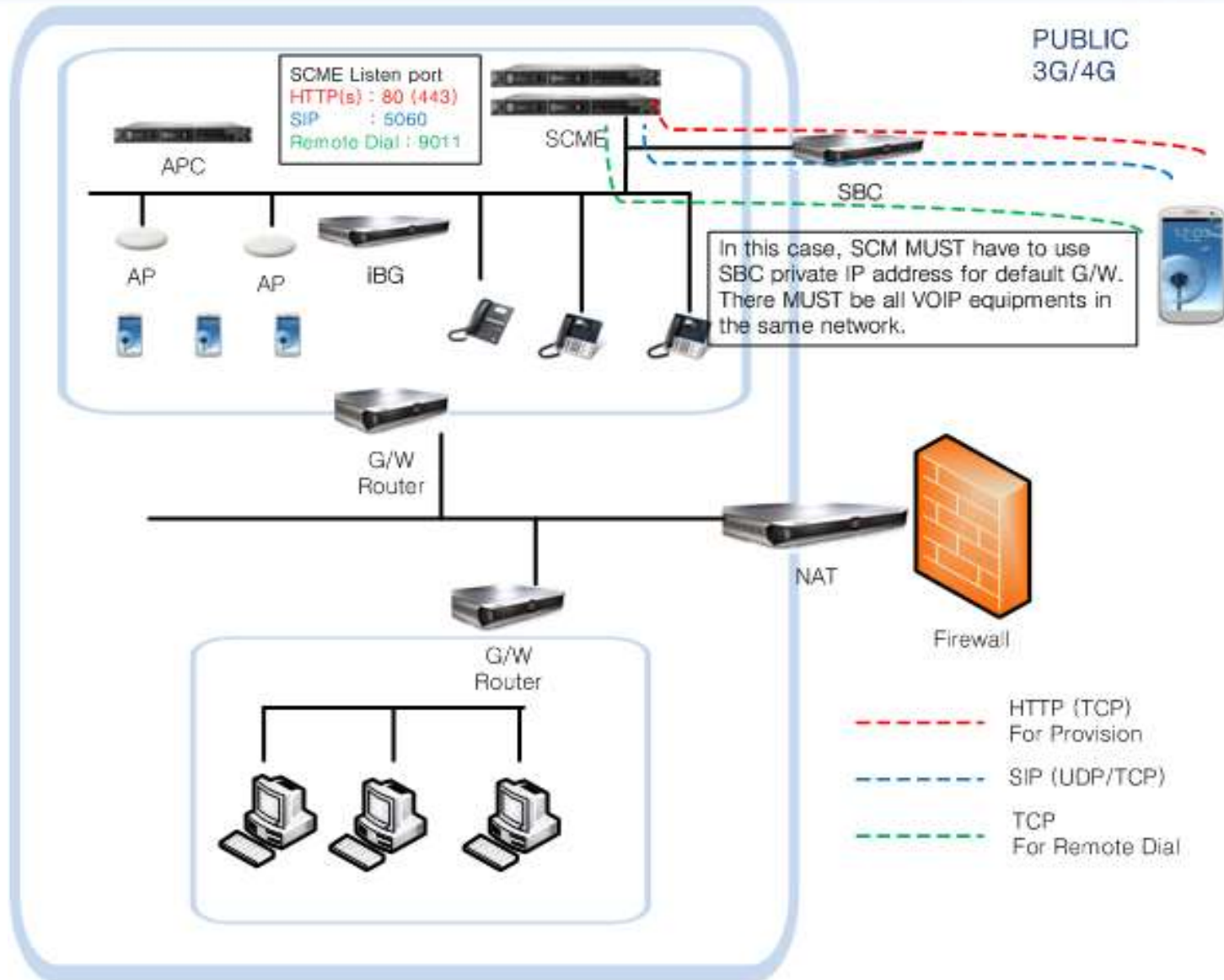
Basic Configuration



Basic Mobile Configuration (1)



Basic Mobile Configuration (2)



License Configuration

[DIALOG]License - Detail

License Key Type	SCM Express - Users	License Key	3-NOWNFFQI-1UU6QI17-SGS5GXQB-5UECHYZT
MAC Address	000C29CCECE6	License Status	OK
Samsung SIP Phones	200	Samsung Soft Phones	200
Samsung Mobile Phones	200	Samsung PC Attendants	200
3rd Party SIP Phones	200	Analog Phones(Gateway)	200
AA Availability(Master/Slave)	Yes	High Availability(Active/Standby)	No
Meet-Me Conference Channels		UMS Channels	
Total CSTA Applications		Samsung Operators	
Embedded ACD Agent Links		Communicators/Desktop)	
Other CSTA Applications		SIP Application Channels	

- To use WE VoIP, the Samsung Mobile Phones license is required.
- The license key is set in [CONFIGURATION > Miscellaneous > License] menu.

User Configuration

[DIALOG] Single Phone User - Change

User Group	UG1	Service Group	UG1-SG1
Location	UG1-LOC1	Extension Number	6010
Application User ID	6010@ug1.scm.com	Extension Name	6010
Application Password	*****	PIN Number	****
Authentication User ID	6010	Phone Verification	None
Authentication Password	****	MAC Address	
IP Address		Private IP Address	
Profile Login ID	UG16010	Phone Type	Samsung-Mobile-Phone
Profile Login Passcode	****	Language	Korean
Mobile Phone Number	01072602307	Use Mobile Phone Number	None
Protocol	UDP	Media	RTP
TLS Connection	Reuse	Ping Ring Type	None
A-A Primary Node	NODE 0	A-A Dual Registration	Enable
VMS Extension Number		Make Mailbox	Yes
URI Type	SIP	DTMF	RFC2833
RFC2833 DTMF Payload	101	Time Zone	GMT +09:00 Asia/Seoul
Department		Position	
Send CLI Number		Service Group Local CLI Number	
Service Group Local Number		Restriction Policy	
Class of Service		Gateway Name	
Extension Lock	None	LDAP DN Number	
Account Code Use		Auto Answer by Click to Dial	Enable
Accept Login Override	Disable	External Ringback Tone Use	None
MOH Announcement ID		Display Option	Normal
Send CLI Name		Call Monitoring	Disable
Send Extension Number		Use Virtual Ringback	Disable
Caller Ring Type	None	Off Hook Alarm	
Check Registration Protocol	Disable	MOH SIP Media Mode	Send Only
Application Server Service Group		CMS Monitoring	Disable

Change Apply Close

- Creating a user for WE VoIP is similar to creating an IP Phone User.
[CONFIGURATION > User > Single Phone User/Multi-Extension Phone]
- Phone Type must be set to “Samsung-Mobile-Phone”.
- Either Mobile Phone Number or MAC Address must be set.
- Mobile Phone Number or MAC Address is used to make the user profile

Mobile Service Options

[DIALOG]Mobile Service Options - Change

User Group: UG1

Remote Dial Public IP Address:

Mobile DISA Number:

Mobile VMS DISA Number:

WE Work Server IP Address:

WE Work Server Public IP Address:

WE VoIP CID Server IP Address:

WE VoIP CID Server Public IP:

WE Work Server Protocol: HTTP

WE VoIP CID Server Public Protocol: HTTP

Wait Call, Later Call: False

Auto Answer CLI Number:

Use 3G Call Only: No

Logo File Path:

SSID: SCMETEST

Remote Dial Public Port:

Mobile DISA Code:

WE Work Server Port: 80

WE Work Server Public Port: 80

WE VoIP CID Server Port: 80

WE VoIP CID Server Public Port: 80

WE VoIP CID Server Protocol: HTTP

WiFi Band: Auto

Auto Answer Profile Number:

3G Call Prefix:

24G Channel List

<input checked="" type="checkbox"/> CH 1	<input type="checkbox"/> CH 2	<input type="checkbox"/> CH 3	<input type="checkbox"/> CH 4
<input checked="" type="checkbox"/> CH 5	<input type="checkbox"/> CH 6	<input type="checkbox"/> CH 7	<input type="checkbox"/> CH 8
<input checked="" type="checkbox"/> CH 9	<input type="checkbox"/> CH 10	<input type="checkbox"/> CH 11	<input type="checkbox"/> CH 12
<input checked="" type="checkbox"/> CH 13			

☐ Selected All

5G Channel List

<input checked="" type="checkbox"/> CH 36	<input checked="" type="checkbox"/> CH 40	<input checked="" type="checkbox"/> CH 44	<input checked="" type="checkbox"/> CH 48
<input checked="" type="checkbox"/> CH 149	<input checked="" type="checkbox"/> CH 153	<input checked="" type="checkbox"/> CH 157	<input checked="" type="checkbox"/> CH 161
<input type="checkbox"/> CH 165			

☐ Selected All

Change Apply Close

- Input the SSID in the following menu.
[CONFIGURATION > Wireless Enterprise > Mobile Service Options]
- This SSID must be same to the SSID of Access Point using WE VoIP.

User Configuration Option(1/2)

- Create a user for WE VoIP service in [CONFIGURATION > User > Single Phone User] menu.
- Change the [Phone Type] to "Samsung-Mobile-Phone".
- Enter [Mobile Phone Number] which is used for the User Profile Key.
- Select [Use Mobile Phone Number] option.
 - None: Do not use the [Mobile Phone Number]. Ring to extension only.
 - Ring Only: Provides a simultaneous ring to extension and mobile phone number.
 - Dial Only: Provides a DISA(Direct Inward System Access) for a user out of WiFi zone.
 - Both: Supports both "Ring Only" and "Dial Only".

[DIALOG] Single Phone User - Change

User Group	UG1	Service Group	UG1-SG1
Location	UG1-LOC1	Extension Number	1000
Application User ID	1000@ug1.scm.com	Extension Name	1000
Application Password	*****	PIN Number	****
Authentication User ID	1000	Phone Verification	None
Authentication Password	****	MAC Address	
IP Address	10.251.191.53	Private IP Address	10.251.191.53
Profile Login ID	UG11000	Phone Type	Samsung-Mobile-Phone
Profile Login Passcode	****	Language	Korean
Mobile Phone Number	01012341000	Use Mobile Phone Number	None
Protocol	UDP	Media	None
TLS Connection	Reuse	Ping Ring Type	None
A-A Primary Node	NODE 0	A-A Dual Registration	Ring Only
VMS Extension Number		Make Mailbox	Dial Only
URI Type	SIP	DTMF	Both
RFC2833 DTMF Payload	101	Time Zone	RFC2833
Department		Position	GMT +09:00 Asia/Seoul

User Configuration Option(2/2)

- Additional WE VoIP user configurations are as follows. These options are not mandatory.
- Desk Phone Simultaneous Ring Delay
 - This option has meaning when a WE VoIP user configured [Use Mobile Phone Number] option to “Ring Only” or “Both”. SCM has a delay to ring a desk phone so that the user can answer the call with the WE VoIP client.
- Mobile Number Auto Update
 - In case WE VoIP user change USIM , WE VoIP client lets SCM know the changed mobile number. SCM updates the number in the Single Phone User Configuration.

The screenshot displays a configuration window with two columns of settings. The left column includes 'User Type', 'Desk Phone Simultaneous Ring Delay' (set to 'Disable'), 'Use mVoIP' (set to 'No'), 'Telnet Access' (set to 'Disable'), 'SIP-PRACK option' (set to 'Disable'), and 'Mobile Number Auto Update' (set to 'Yes'). The right column includes 'Error Announcement', 'CLI for Forwarded Call', 'Resume after Transfer-Cancel' (set to 'No'), 'WiFi Access' (set to 'Enable'), 'Comfort Noise' (set to 'No'), and 'Send RTCP on Hold' (set to 'No'). At the bottom, there are three buttons: 'Change', 'Apply', and 'Close'.

Option	Value
User Type	
Desk Phone Simultaneous Ring Delay	Disable
Use mVoIP	No
Telnet Access	Disable
SIP-PRACK option	Disable
Mobile Number Auto Update	Yes
Error Announcement	
CLI for Forwarded Call	
Resume after Transfer-Cancel	No
WiFi Access	Enable
Comfort Noise	No
Send RTCP on Hold	No

- If multiple devices are used for the WE VoIP user, [Phone Type] is configured in [CONFIGURATION > User > Multi-Extension Phone] and other configuration is done in [CONFIGURATION > User > Multi-Phone User].

Call Restriction in Hot Spot zone or mVoIP mode

- SCM provides separate configuration method (COS) of call restriction when WE VoIP Users are registered in Hot Spot zone or mVoIP mode.
- Toll Restriction according to the user's location (Hot Spot Zone or mVoIP mode)
- Restriction of Receiving Call in Hot Spot Zone or mVoIP mode

When administrator checks [Receiving Call in Hot Spot Zone], WE VoIP users registered at Hot Spot zone can receive call.

When administrator checks [Receiving Call in mVoIP Zone], WE VoIP users registered at mVoIP zone can receive call.

[DIALOG]Class of Service - Change

User Group: UG1

Override Level: Level 3

Call Limitation Level: Level 0

Restriction Policy: [Dropdown]

Hot Spot Restriction Policy: [Dropdown]

IP Zone A Restriction Policy: [Dropdown]

Call Transfer Restriction Policy: [Dropdown]

Name: UG1_default

Privacy Level: Level 3

Second Service Class: [Dropdown]

Call Forward Restriction Policy: [Dropdown]

mVoIP Restriction Policy: [Dropdown]

IP Zone B Restriction Policy: [Dropdown]

Smart Handover Type: [Dropdown]

Service Permission

<input checked="" type="checkbox"/> Call Forward All	<input checked="" type="checkbox"/> Call Forward Busy	<input checked="" type="checkbox"/> Call Forward No Answer	<input checked="" type="checkbox"/> Call Forward Unreachable
<input checked="" type="checkbox"/> Preset Call Forward All	<input checked="" type="checkbox"/> Preset Call Forward Busy	<input checked="" type="checkbox"/> Preset Call Forward No Answer	<input checked="" type="checkbox"/> Preset Call Forward Unreachable
<input checked="" type="checkbox"/> Preset Call Forward DND	<input checked="" type="checkbox"/> Absence	<input checked="" type="checkbox"/> Wake-Up Call	<input checked="" type="checkbox"/> DND
<input checked="" type="checkbox"/> Hot Line	<input checked="" type="checkbox"/> Outbound Call Lock	<input checked="" type="checkbox"/> Auto Retry	<input checked="" type="checkbox"/> Callback
<input checked="" type="checkbox"/> Remote Office	<input checked="" type="checkbox"/> Multi-ring	<input checked="" type="checkbox"/> Caller ID Block	<input checked="" type="checkbox"/> Group Call Forward
<input checked="" type="checkbox"/> No Ring	<input checked="" type="checkbox"/> AME	<input checked="" type="checkbox"/> Call Waiting	<input checked="" type="checkbox"/> Auto Answer
<input checked="" type="checkbox"/> Auto Record	<input checked="" type="checkbox"/> Hot Desking	<input checked="" type="checkbox"/> Individual Speed Dial	<input checked="" type="checkbox"/> Incoming Call Logging
<input checked="" type="checkbox"/> Second Service Class	<input checked="" type="checkbox"/> Follow Me	<input checked="" type="checkbox"/> Caller ID Display	<input checked="" type="checkbox"/> Call Recording
<input checked="" type="checkbox"/> Add-On Conference	<input checked="" type="checkbox"/> One-Step Conference	<input checked="" type="checkbox"/> Music on Hold	<input checked="" type="checkbox"/> Call Park Extension
<input checked="" type="checkbox"/> Call Park Orbit	<input checked="" type="checkbox"/> Call Transfer	<input checked="" type="checkbox"/> Barge-In with Tone	<input checked="" type="checkbox"/> Barge-In without Tone
<input type="checkbox"/> DND Override	<input type="checkbox"/> Restricted Call Forward	<input checked="" type="checkbox"/> Temporary CID Restriction	<input checked="" type="checkbox"/> Station Paging
<input checked="" type="checkbox"/> Ring Plan Override	<input checked="" type="checkbox"/> Paging On Answer	<input type="checkbox"/> Remote Extension Set	<input type="checkbox"/> Hotel Inter-Room Call Lock
<input checked="" type="checkbox"/> Premium CID Service	<input type="checkbox"/> No Ring Override	<input checked="" type="checkbox"/> Meet-me Conference	<input checked="" type="checkbox"/> Multi-Device Conference
<input checked="" type="checkbox"/> BLF Key Create	<input checked="" type="checkbox"/> Operator Call	<input checked="" type="checkbox"/> No Use Transferee Restriction Policy	<input checked="" type="checkbox"/> Direct Trunk Selection
<input checked="" type="checkbox"/> Call Bridge	<input checked="" type="checkbox"/> Move To Mobile	<input checked="" type="checkbox"/> Mobile Auto Answer	<input checked="" type="checkbox"/> NFC Service
<input checked="" type="checkbox"/> Smart Routing Activate	<input checked="" type="checkbox"/> Smart Routing including Access Co..	<input type="checkbox"/> Smart Routing Call Reject	<input checked="" type="checkbox"/> Service After Smart Routing
<input checked="" type="checkbox"/> Receiving Call in Hot Spot Zone	<input checked="" type="checkbox"/> Receiving Call in mVoIP Zone	<input checked="" type="checkbox"/> Unregistered BLF On	<input checked="" type="checkbox"/> NFC Service for Any Mobile
<input checked="" type="checkbox"/> NFC Move to WE VoIP First	<input checked="" type="checkbox"/> Different Group Call Forward	<input checked="" type="checkbox"/> Change User Name	<input checked="" type="checkbox"/> Malicious Call Trace

Buttons: Change, Apply, Close

Register Expire Timer for Teleworker (Remote IP Phone)

➤All Phone uses identical Register Expire Timer.

➤Register Expire Timer has 3 value

- Minimum(sec) is used to check a minimum time that Register is expired.
- Maximum(sec) is used to check a maximum time that Register is expired.
- Remote Phone Register Expire(sec) is used to remote user send register with identical interval.
- These timer is set in following menu.

[Configuration > User Group > Change User Group > Timers]

[DIALOG]Timers - Change

User Group	UG1	Callback Ring No Answer Time(sec)	60
Callback Service Duration(min)	60	Auto Retry No Answer Time(sec)	30
Auto Retry Interval(sec)	60	Auto Retry Service Duration(min)	60
Park Recall Time(sec)	300	Transfer Recall Time(sec)	30
Operator Recall Time(sec)	30	Operator Recall Wait Time(sec)	0
Recall Disconnect Time(sec)	180	Long Duration Call Criterion(hour)	2
Internal Call No Answer Clear(sec)	30	External Call No Answer Clear(sec)	30
Register Expire Deviation(sec)	300	Register Expire Minimum(sec)	30
Register Expire Maximum(sec)	3600	Remote Phone Register Expire(sec)	60
Service No Answer Time(sec)	10	Wake-Up Announcement Interval(sec)	3
Wake-Up Retry Interval(sec)	30	POA No Answer Clear(sec)	60
Internal Call No Response Time (sec)	10	External Call No Response Time (sec)	10
Pause Delay Time (sec)	3	DTMF Duration Time (100ms)	1
Ping Ring Time (sec)	15		

Change Apply Close

Register Expire Timer for mVoIP (Hot Spot)

➤All Phone uses identical Register Expire Timer.

➤Register Expire Timer has 3 value

- Minimum(sec) is used to check a minimum time that Register is expired.
- Maximum(sec) is used to check a maximum time that Register is expired.
- Remote Phone Register Expire(sec) is used to remote user send register with identical interval.
- These timer is set in following menu.

[Configuration > User Group > Change User Group > Timers]

[DIALOG]Timers - Change

User Group	UG1		
Callback Service Duration(min)	60	Callback Ring No Answer Time(sec)	60
Auto Retry Interval(sec)	60	Auto Retry No Answer Time(sec)	30
Park Recall Time(sec)	300	Auto Retry Service Duration(min)	60
Operator Recall Time(sec)	30	Transfer Recall Time(sec)	30
Recall Disconnect Time(sec)	180	Operator Recall Wait Time(sec)	0
Internal Call No Answer Clear(sec)	10	Long Duration Call Criterion(hour)	2
Register Expire Deviation(sec)	10	External Call No Answer Clear(sec)	30
Register Expire Maximum(sec)	3600	Register Expire Minimum(sec)	30
Service No Answer Time(sec)	10	Remote Phone Register Expire(sec)	60
Wake-Up Retry Interval(sec)	30	Wake-Up Announcement Interval(sec)	3
Internal Call No Response Time (sec)	10	POA No Answer Clear(sec)	60
Pause Delay Time (sec)	3	External Call No Response Time (sec)	10
Ping Ring Time (sec)	5	DTMF Duration Time (100ms)	1
FMC Register Expire Maximum(sec)	3600	FMC Register Expire Minimum(sec)	30
		Register Auth Valid Interval(sec)	15

Change Apply Close

Chapter 2.

Call Move

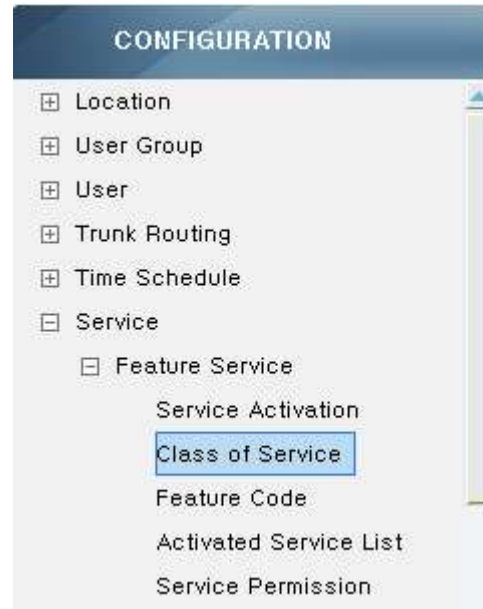
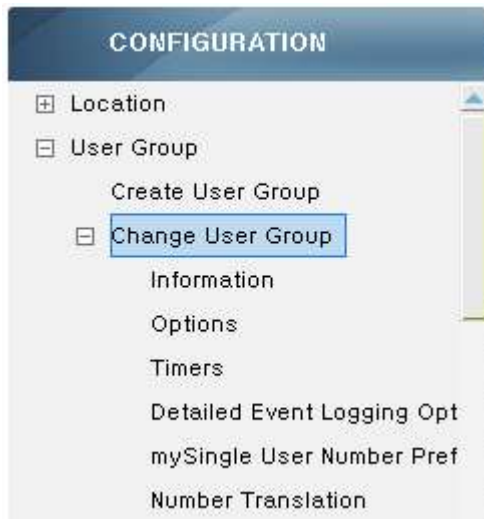


Call Move

- **Call Move service moves the conversation on one phone to another without holding the call.**
- **Call Move service is provided with Soft Menu, Programmable Button, Move Key and NFC Tagging.**
- **Call Move service provides followings.**
 - **Move To Mobile**
 - **Move To Number**
 - **Move To Multi-Device**
 - **Moved Call Pickup**

Configuration for Call Move (1/2)

- Required Configuration in [CONFIGURATION > User Group > Change User Group > Information]
 - Service Call Access Code
 - ✂ If Service Call Access Code is not configured, SCM does not provide outbound call.
- Required Configuration in [CONFIGURATION > Service > Feature Service > Class of Service]
 - Move To Mobile
 - Mobile Auto Answer
 - NFC Service
 - NFC Service for Any Mobile
 - NFC Move to WE VoIP First



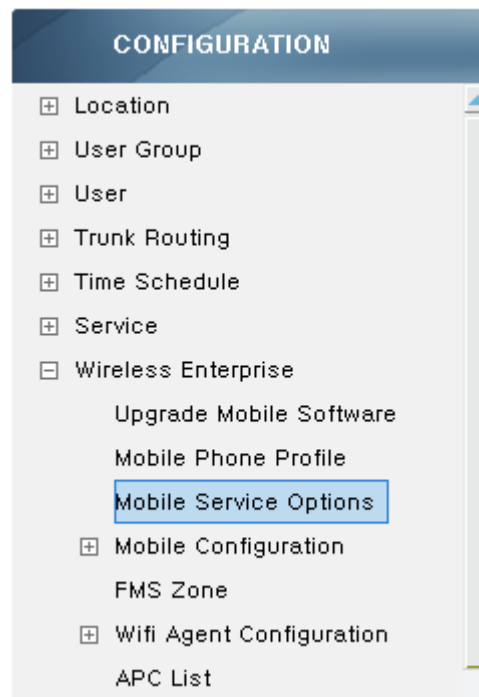
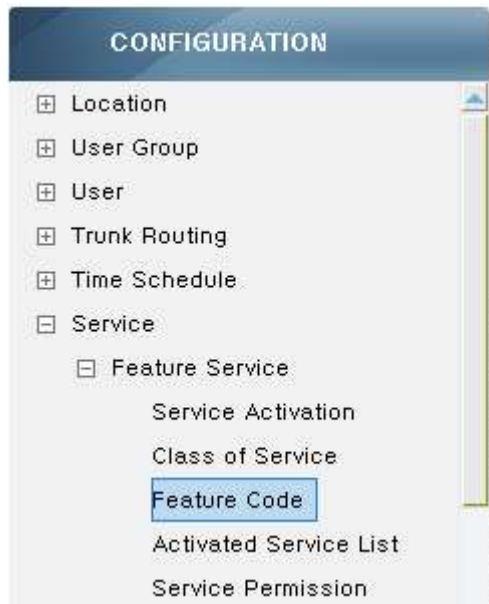
Configuration for Call Move (2/2)

Required Configuration in [CONFIGURATION > Service > Feature Service > Feature Code]

- Move To Mobile
- Move To Multi-Device
- NFC Pickup
- NFC Move To Desk
- NFC Move To Mobile
- Moved Call Pickup
- Move Cancel

Required Configuration in [CONFIGURATION > Wireless Enterprise > Mobile Service Options]

- Auto Answer CLI Number
- Auto Answer Profile Number



Move To Mobile / Move To Number(1/3)

- The 'Move to Mobile' soft menu will be displayed on the phone which is on conversation.
- If a user selects the soft menu, the conversation will be continued through the mobile phone.
- User needs to have mobile phone number.
- Service Call Access Code should be configured.
- The 'Move to Mobile' Service should be permitted in [CONFIGURATION > Service > Class of Service] menu.

The image shows two parts of a software interface. On the left is a 'CONFIGURATION' menu with a tree view. The 'Service' folder is expanded, and 'Class of Service' is highlighted with a red box. On the right is a dialog box titled '[DIALOG]Class of Service - Change'. It contains various settings for a service class, including 'User Group' (UG1), 'Override Level' (Level 3), and 'Name' (UG1_default). Below these are several dropdown menus for policies. The 'Service Permission' section contains a grid of checkboxes for various call features. The 'Move To Mobile' checkbox is highlighted with a red box. At the bottom of the dialog are 'Change', 'Apply', and 'Close' buttons.

CONFIGURATION

- Location
- User Group
- User
- Trunk Routing
- Time Schedule
- Service
 - Feature Service
 - Service Activation
 - Class of Service**
 - Feature Code
 - Activated Service List
 - Service Permission

[DIALOG]Class of Service - Change

User Group: UG1
 Override Level: Level 3
 Call Limitation Level: Level 0
 Restriction Policy:
 Hot Spot Restriction Policy:
 IP Zone A Restriction Policy:
 Call Transfer Restriction Policy:
 Name: UG1_default
 Privacy Level: Level 3
 Second Service Class:
 Call Forward Restriction Policy:
 mVoIP Restriction Policy:
 IP Zone B Restriction Policy:
 Smart Handover Type:
Service Permission

<input checked="" type="checkbox"/> Call Forward All	<input checked="" type="checkbox"/> Call Forward Busy	<input checked="" type="checkbox"/> Call Forward No Answer	<input checked="" type="checkbox"/> Call Forward Unreachable
<input checked="" type="checkbox"/> Preset Call Forward All	<input checked="" type="checkbox"/> Preset Call Forward Busy	<input checked="" type="checkbox"/> Preset Call Forward No Answer	<input checked="" type="checkbox"/> Preset Call Forward Unreachable
<input checked="" type="checkbox"/> Preset Call Forward DND	<input checked="" type="checkbox"/> Absence	<input checked="" type="checkbox"/> Wake-Up Call	<input checked="" type="checkbox"/> DND
<input checked="" type="checkbox"/> Hot Line	<input checked="" type="checkbox"/> Outbound Call Lock	<input checked="" type="checkbox"/> Auto Retry	<input checked="" type="checkbox"/> Callback
<input checked="" type="checkbox"/> Remote Office	<input checked="" type="checkbox"/> Multi-ring	<input checked="" type="checkbox"/> Caller ID Block	<input checked="" type="checkbox"/> Group Call Forward
<input checked="" type="checkbox"/> No Ring	<input checked="" type="checkbox"/> AME	<input checked="" type="checkbox"/> Call Waiting	<input checked="" type="checkbox"/> Auto Answer
<input checked="" type="checkbox"/> Auto Record	<input checked="" type="checkbox"/> Hot Desking	<input checked="" type="checkbox"/> Individual Speed Dial	<input checked="" type="checkbox"/> Incoming Call Logging
<input checked="" type="checkbox"/> Second Service Class	<input checked="" type="checkbox"/> Follow Me	<input checked="" type="checkbox"/> Caller ID Display	<input checked="" type="checkbox"/> Call Recording
<input checked="" type="checkbox"/> Add-On Conference	<input checked="" type="checkbox"/> One-Step Conference	<input checked="" type="checkbox"/> Music on Hold	<input checked="" type="checkbox"/> Call Park Extension
<input checked="" type="checkbox"/> Call Park Orbit	<input checked="" type="checkbox"/> Call Transfer	<input checked="" type="checkbox"/> Barge-In with Tone	<input checked="" type="checkbox"/> Barge-In without Tone
<input type="checkbox"/> DND Override	<input type="checkbox"/> Restricted Call Forward	<input checked="" type="checkbox"/> Temporary CID Restriction	<input checked="" type="checkbox"/> Station Paging
<input checked="" type="checkbox"/> Ring Plan Override	<input checked="" type="checkbox"/> Paging on Answer	<input type="checkbox"/> Remote Extension Set	<input type="checkbox"/> Hotel Inter-Room Call Lock
<input checked="" type="checkbox"/> Premium CID Service	<input type="checkbox"/> No Ring Override	<input checked="" type="checkbox"/> Meet-me Conference	<input checked="" type="checkbox"/> Multi-Device Conference
<input checked="" type="checkbox"/> BLF Key Create	<input checked="" type="checkbox"/> Operator Call	<input checked="" type="checkbox"/> No Use Transferee Restriction Policy	<input checked="" type="checkbox"/> Direct Trunk Selection
<input checked="" type="checkbox"/> Call Bridge	<input checked="" type="checkbox"/> Move To Mobile	<input checked="" type="checkbox"/> Mobile Auto Answer	<input checked="" type="checkbox"/> NFC Service
<input checked="" type="checkbox"/> Smart Routing Activate	<input checked="" type="checkbox"/> Smart Routing including Access Co..	<input type="checkbox"/> Smart Routing Call Reject	<input checked="" type="checkbox"/> Service After Smart Routing
<input checked="" type="checkbox"/> Receiving Call in Hot Spot Zone	<input checked="" type="checkbox"/> Receiving Call in mVoIP Zone	<input checked="" type="checkbox"/> Unregistered BLF On	<input checked="" type="checkbox"/> NFC Service for Any Mobile
<input checked="" type="checkbox"/> NFC Move to WE VoIP First	<input checked="" type="checkbox"/> Different Group Call Forward	<input checked="" type="checkbox"/> Change User Name	<input checked="" type="checkbox"/> Malicious Call Trace

Change Apply Close

Move To Mobile / Move To Number(2/3)

- When a user selects the 'Move to Number' soft menu, the destination number for Call Move should be entered. Then the call is moved to the designated destination.
- The 'Move to Mobile' feature code should be defined in [CONFIGURATION > Service > Feature Service > Feature Code] menu.

CONFIGURATION

- Location
- User Group
- User
- Trunk Routing
- Time Schedule
- Service
 - Feature Service
 - Service Activation
 - Class of Service
 - Feature Code**
 - Activated Service List
 - Service Permission

Feature Code | **Class of Service** | **Log Setting** | **Call Trace** | **Multi-ring List** | **Service Activation** | ...

User Group: UG1

Search Clear Reset

Service Type	Feature Code Digit	Minimum Digit Length	Maximum Digit Length
Malicious Call Trace	*26	1	30
Meet Me Conference Join	*82	1	30
Mobile Pickup	*14	1	30
Move to Mobile	*19	1	30
Move to Multi-Device	*489	1	30
Moved Call Pickup	*488	1	30
Multi-Device Conference			
Multi-Device Service for Mobile	*487	1	30
Multi-Ring Enable - Cancel	*460	1	30
Multi-Ring Enable - Set	*461	1	30
Multi-Ring Member - Delete	*470	1	30
Multi-Ring Member - Insert	*471	1	30
NFC Move to Desk			
NFC Move to Mobile			
NFC Pickup			
No Ring - Cancel	*440	1	30

1 / 2 (119)

Detail Change Excel Detach Close

Move To Mobile / Move To Number(3/3)

- If the move service fails, the phone shows “Fail To Move”.
- When moving the conversation to mobile, the call can be auto-answered. The Auto Answer Service is provided only for devices in which WE VoIP is installed.
- For auto answering, Auto Answer Number should be defined in [CONFIGURATION > Wireless Enterprise > Mobile Service Options] menu.

CONFIGURATION

- Location
- User Group
- User
- Trunk Routing
- Time Schedule
- Service
- Wireless Enterprise
 - Upgrade Mobile Software
 - Mobile Phone Profile
 - Mobile Service Options**
 - Mobile Configuration
 - FMS Zone
 - Wifi Agent Configuration
 - APC List

[DIALOG] Mobile Service Options - Change

User Group	UG1	SSID	SCME_AP
Remote Dial Public IP Address		Remote Dial Public Port	
Mobile DISA Number		Mobile DISA Code	
Mobile VMS DISA Number			
WE Work Server IP Address		WE Work Server Port	80
WE Work Server Public IP Address		WE Work Server Public Port	80
WE VoIP CID Server IP Address		WE VoIP CID Server Port	80
WE VoIP CID Server Public IP		WE VoIP CID Server Public Port	80
WE Work Server Protocol	HTTP	WE VoIP CID Server Protocol	HTTP
WE VoIP CID Server Public Protocol	HTTP		
Wait Call, Later Call	False	WiFi Band	Auto
Auto Answer CLI Number	07043450000	Auto Answer Profile Number	07043450000
Use 3G Call Only	No	3G Call Prefix	
Logo File Path			

Move to Multi-Device(1/2)

- If a multi-device is on conversation, the 'Move to Multi-Device' soft menu will be displayed on the phone.
- 'Move To Multi-Device' Soft Menu is displayed on Desk Phone.
- The 'Move to Multi-Device' feature code should be defined in [CONFIGARITON > Service > Feature Service > Feature Code] menu.

The screenshot shows the CONFIGURATION menu with the following structure:

- CONFIGURATION
 - Location
 - User Group
 - User
 - Trunk Routing
 - Time Schedule
 - Service
 - Feature Service
 - Service Activation
 - Class of Service
 - Feature Code**
 - Activated Service List
 - Service Permission

The 'Feature Code' sub-menu is active, displaying a table with the following data:

Service Type	Feature Code Digit	Minimum Digit Length	Maximum Digit Length
Malicious Call Trace	+26	1	30
Meet Me Conference Join	+82	1	30
Mobile Pickup	+14	1	30
Move to Mobile	+19	1	30
Move to Multi-Device	+489	1	30
Moved Call Pickup	+488	1	30
Multi-Device Conference			
Multi-Device Service for Mobile	+487	1	30
Multi-Ring Enable - Cancel	+460	1	30
Multi-Ring Enable - Set	+461	1	30
Multi-Ring Member - Delete	+470	1	30
Multi-Ring Member - Insert	+471	1	30
NFC Move to Desk			
NFC Move to Mobile			
NFC Pickup			
No Ring - Cancel	+440	1	30

The 'Move to Multi-Device' row is highlighted in yellow and outlined with a red border. The bottom of the screen shows navigation buttons: 1 / 2 (119), Detail, Change, Excel, Detach, and Close.

Move to Multi-Device(2/2)

- When user selects the destination devices, SCM moves the call to specific device.
- The destination device index is located in [CONFIGURATION > User > Multi-Extension Phone > Call Appearance] Menu.

The screenshot shows the configuration interface for a Multi-Extension Phone. On the left, the 'CONFIGURATION' menu is visible, with 'User' selected and 'Multi-Extension Phone' highlighted. The main window, titled '[DIALOG] Multi-Extension Phone - Detail', displays various configuration parameters. The 'Call Appearance' field at the bottom right is highlighted with a red box, showing the value '[9000: 1]'. Other fields include 'User Group' (UG1), 'Phone Verification' (MACAddress), 'Profile Login ID' (UG19001), 'Language' (English), 'Protocol' (UDP), 'Media' (RTP), 'Time Zone' (GMT +09:00 Asia/Seoul), 'Display Option' (Normal), 'Off Hook Alarm' (Disable), 'TLS Connection' (Reuse), 'Phone TX Gain', 'TLS Key Decryption Direct Password', 'TLS Key Decryption Salt', 'TLS Key Decryption DK' (20), 'Line Skipping' (None), 'Primary Extension Number', 'NFC Auto Login' (Disable), 'Use InterProxy' (Disable), 'Input Number Display' (Display), 'Use mVoIP' (No), 'Telnet Access' (Disable), 'SIP-PRACK option' (Disable), 'Send RTPC on Hold' (No), 'User Count' (1), 'Phone Name' (9000Mobile), 'MAC Address' (12:31:54:88:45:79), 'Private IP Address', 'User Type' (Normal), 'Phone Type' (Samsung-Mobile-Phone), 'URI Type' (SIP), 'DTMF' (RFC2833), 'RFC2833 DTMF Payload' (101), 'Accept Login Override' (Disable), 'Send CLI Number', 'Check Registration Protocol' (Disable), 'MOH SIP Media Mode' (Send/Receive), 'TLS Key Decryption Password Type' (Direct), 'TLS Key Decryption Device ID', 'TLS Key Decryption IC' (S12), 'NFC Mobile Phone Name', 'Phone Call History' (On), 'Next Extension Number Selection' (Disable), 'NFC Auto Login Phone Name', 'PROXYB Index' (2), 'Temporary NFC Mobile Number', 'Resume after Transfer-Cancel' (No), 'WiFi Access' (Enable), 'Comfort Noise' (No), and 'Call Appearance' ([9000: 1]).

Field	Value
User Group	UG1
Phone Verification	MACAddress
IP Address	
Profile Login ID	UG19001
Profile Login Passcode	****
Language	English
Protocol	UDP
Media	RTP
Time Zone	GMT +09:00 Asia/Seoul
Display Option	Normal
Off Hook Alarm	Disable
TLS Connection	Reuse
Phone TX Gain	
TLS Key Decryption Direct Password	
TLS Key Decryption Salt	
TLS Key Decryption DK	20
Line Skipping	None
Primary Extension Number	
NFC Auto Login	Disable
Use InterProxy	Disable
Input Number Display	Display
Use mVoIP	No
Telnet Access	Disable
SIP-PRACK option	Disable
Send RTPC on Hold	No
User Count	1
Phone Name	9000Mobile
MAC Address	12:31:54:88:45:79
Private IP Address	
User Type	Normal
Phone Type	Samsung-Mobile-Phone
URI Type	SIP
DTMF	RFC2833
RFC2833 DTMF Payload	101
Accept Login Override	Disable
Send CLI Number	
Check Registration Protocol	Disable
MOH SIP Media Mode	Send/Receive
TLS Key Decryption Password Type	Direct
TLS Key Decryption Device ID	
TLS Key Decryption IC	S12
NFC Mobile Phone Name	
Phone Call History	On
Next Extension Number Selection	Disable
NFC Auto Login Phone Name	
PROXYB Index	2
Temporary NFC Mobile Number	
Resume after Transfer-Cancel	No
WiFi Access	Enable
Comfort Noise	No
Call Appearance	[9000: 1]

Move Cancel / Moved Call Pickup

- When a user starts move service, the 'Move Cancel' soft menu will be displayed on the phone.
- 'Move Cancel' Soft Menu is displayed on Desk Phone.
- The 'Move Cancel' feature code should be defined in [CONFIGARITON > Service > Feature Service > Feature Code] menu.
- After moving the conversation to mobile, the desk phone can pick up the moved-out call through 'Moved Call Pickup' soft menu.
- The 'Moved Call Pickup' feature codes should be set in [CONFIGURATION > Service > Feature Service > Feature Code].

The screenshot displays the 'CONFIGURATION' interface. On the left is a sidebar menu with the following items: Location, User Group, User, Trunk Routing, Time Schedule, Service, Feature Service, Service Activation, Class of Service, Feature Code (highlighted with a red box), Activated Service List, and Service Permission. The main area shows two identical configuration panels. The top panel is for 'Cancel Move' and the bottom panel is for 'Moved Call Pickup'. Both panels have a 'User Group' dropdown set to 'UG1' and buttons for 'Search', 'Clear', and 'Reset'. Below these is a table with the following columns: 'Service Type', 'Feature Code Digit', 'Minimum Digit Length', and 'Maximum Digit Length'. The 'Cancel Move' row shows a feature code digit of '+98', a minimum length of 1, and a maximum length of 30. The 'Moved Call Pickup' row shows a feature code digit of '+488', a minimum length of 1, and a maximum length of 30. Both rows are highlighted with a red border.

Feature Code	Class of Service	Log Setting	Call Trace	Multi-ring List	Service Activation
User Group: UG1					
Search Clear Reset					
Service Type	Feature Code Digit	Minimum Digit Length	Maximum Digit Length		
Cancel Move	+98	1	30		

Feature Code	Class of Service	Log Setting	Call Trace	Multi-ring List	Service Activation
User Group: UG1					
Search Clear Reset					
Service Type	Feature Code Digit	Minimum Digit Length	Maximum Digit Length		
Moved Call Pickup	+488	1	30		

Call Move Using Move Button (1/3)

- The SMT-i5343 phone has 'Move' button.
- The conversation through the desk phone can be moved to the other phone by pushing Move button.
- The pairing between a desk phone and a mobile should be configured for Call Move service.
- If the mobile name is assigned in [CONFIGURATION > User > Single Phone User (or Multi-Extension Phone) > NFC Mobile Phone Name], the conversation of the desk phone can always be moved to the mobile.

The screenshot displays the 'CONFIGURATION' interface with a sidebar on the left and a main configuration area on the right. The sidebar lists various configuration categories, with 'Single Phone User' and 'Multi-Extension Phone' highlighted in red boxes. The main area shows the 'Single Phone User - Change' dialog with various settings. The 'NFC Mobile Phone Name' field is highlighted with a red box.

Category	Setting	Value
Left Column	Class of Service	
	Extension Lock	None
	Account Code Use	
	Accept Login Override	Disable
	MOH Announcement ID	
	Send CLI Name	
	Send Extension Number	
	Caller Ring Type	None
	Check Registration Protocol	Disable
	Application Server Service Group	
	FMS Zone Name	
	Call Recording Method	
	TLS Key Decryption Password Type	Direct
	TLS Key Decryption Device ID	
	TLS Key Decryption IC	512
NFC Mobile Phone Name		
NFC Auto Login	Disable	
Phone Display Name	Extension Number	
PROXYB Index	1	
Change to Multi Type		
User Type		
Desk Phone Simultaneous Ring Delay	Disable	
Use mVoIP	No	
Telnet Access	Disable	
SIP-PRACK option	Disable	
Mobile Number Auto Update	Yes	
Right Column	Gateway Name	
	LDAP DN Number	
	Auto Answer by Click to Dial	Enable
	External Ringback Tone Use	None
	Display Option	Normal
	Call Monitoring	Disable
	Use Virtual Ringback	Disable
	Off Hook Alarm	
	MOH SIP Media Mode	Send Only
	CMS Monitoring	Disable
	User Account Code	
	Phone TX Gain	
	TLS Key Decryption Direct Password	
	TLS Key Decryption Salt	
	TLS Key Decryption DK	20
Phone Call History	On	
Allow Selective Call		
Use InterProxy	Disable	
Input Number Display		
Call Appearance		
Error Announcement		
CLI for Forwarded Call		
Resume after Transfer-Cancel	No	
WIFI Access	Enable	
Comfort Noise	No	
Send RTPC on Hold	No	

Call Move Using Move Button (2/3)

- The 'NFC Service' should be permitted in [CONFIGURATION > Service > Feature Service > Class of Service] menu.

CONFIGURATION

- Location
- User Group
- User
- Trunk Routing
- Time Schedule
- Service
 - Feature Service
 - Class of Service**

Service Activation

Feature Code

Activated Service List

Service Permission

[DIALOG]Class of Service - Change

User Group UG1

Override Level Level 3

Call Limitation Level Level 0

Restriction Policy

Hot Spot Restriction Policy

IP Zone A Restriction Policy

Call Transfer Restriction Policy

Name UG1_default

Privacy Level Level 3

Second Service Class

Call Forward Restriction Policy

mVoIP Restriction Policy

IP Zone B Restriction Policy

Smart Handover Type

Service Permission

<input checked="" type="checkbox"/> Call Forward All	<input checked="" type="checkbox"/> Call Forward Busy	<input checked="" type="checkbox"/> Call Forward No Answer	<input checked="" type="checkbox"/> Call Forward Unreachable
<input checked="" type="checkbox"/> Preset Call Forward All	<input checked="" type="checkbox"/> Preset Call Forward Busy	<input checked="" type="checkbox"/> Preset Call Forward No Answer	<input checked="" type="checkbox"/> Preset Call Forward Unreachable
<input checked="" type="checkbox"/> Preset Call Forward DND	<input checked="" type="checkbox"/> Absence	<input checked="" type="checkbox"/> Wake-Up Call	<input checked="" type="checkbox"/> DND
<input checked="" type="checkbox"/> Hot Line	<input checked="" type="checkbox"/> Outbound Call Lock	<input checked="" type="checkbox"/> Auto Retry	<input checked="" type="checkbox"/> Callback
<input checked="" type="checkbox"/> Remote Office	<input checked="" type="checkbox"/> Multi-ring	<input checked="" type="checkbox"/> Caller ID Block	<input checked="" type="checkbox"/> Group Call Forward
<input checked="" type="checkbox"/> No Ring	<input checked="" type="checkbox"/> AME	<input checked="" type="checkbox"/> Call Waiting	<input checked="" type="checkbox"/> Auto Answer
<input checked="" type="checkbox"/> Auto Record	<input checked="" type="checkbox"/> Hot Desking	<input checked="" type="checkbox"/> Individual Speed Dial	<input checked="" type="checkbox"/> Incoming Call Logging
<input checked="" type="checkbox"/> Second Service Class	<input checked="" type="checkbox"/> Follow Me	<input checked="" type="checkbox"/> Caller ID Display	<input checked="" type="checkbox"/> Call Recording
<input checked="" type="checkbox"/> Add-On Conference	<input checked="" type="checkbox"/> One-Step Conference	<input checked="" type="checkbox"/> Music on Hold	<input checked="" type="checkbox"/> Call Park Extension
<input checked="" type="checkbox"/> Call Park Orbit	<input checked="" type="checkbox"/> Call Transfer	<input checked="" type="checkbox"/> Barge-In with Tone	<input checked="" type="checkbox"/> Barge-In without Tone
<input checked="" type="checkbox"/> DND Override	<input type="checkbox"/> Restricted Call Forward	<input checked="" type="checkbox"/> Temporary CID Restriction	<input checked="" type="checkbox"/> Station Paging
<input checked="" type="checkbox"/> Ring Plan Override	<input type="checkbox"/> Paging On Answer	<input type="checkbox"/> Remote Extension Set	<input type="checkbox"/> Hotel Inter-Room Call Lock
<input checked="" type="checkbox"/> Premium CID Service	<input type="checkbox"/> No Ring Override	<input checked="" type="checkbox"/> Meet-me Conference	<input checked="" type="checkbox"/> Multi-Device Conference
<input checked="" type="checkbox"/> BLF Key Create	<input checked="" type="checkbox"/> Operator Call	<input checked="" type="checkbox"/> No Use Transferee Restriction Policy	<input checked="" type="checkbox"/> Direct Trunk Selection
<input checked="" type="checkbox"/> Call Bridge	<input checked="" type="checkbox"/> Move To Mobile	<input checked="" type="checkbox"/> Mobile Auto Answer	<input checked="" type="checkbox"/> NFC Service
<input checked="" type="checkbox"/> Smart Routing Activate	<input checked="" type="checkbox"/> Smart Routing including Access Co...	<input type="checkbox"/> Smart Routing Call Reject	<input checked="" type="checkbox"/> Service After Smart Routing
<input checked="" type="checkbox"/> Receiving Call in Hot Spot Zone	<input checked="" type="checkbox"/> Receiving Call in mVoIP Zone	<input checked="" type="checkbox"/> Unregistered BLF On	<input checked="" type="checkbox"/> NFC Service for Any Mobile
<input checked="" type="checkbox"/> NFC Move to WE VoIP First	<input checked="" type="checkbox"/> Different Group Call Forward	<input checked="" type="checkbox"/> Change User Name	<input checked="" type="checkbox"/> Malicious Call Trace

Change **Apply** **Close**

Call Move Using Move Button (3/3)

- The 'NFC Move to Desk', 'NFC Move to Mobile' and 'NFC Pickup' feature codes should be set in [CONFIGURATION > Service > Feature Service > Feature Code].

Service Type	Feature Code Digit	Minimum Digit Length	Maximum Digit Length
Multi-Ring Enable - Cancel	+460	1	30
Multi-Ring Enable - Set	+461	1	30
Multi-Ring Member - Delete	+470	1	30
Multi-Ring Member - Insert	+471	1	30
NFC Move to Desk			
NFC Move to Mobile			
NFC Pickup			

- **Move to Mobile**

If a desk phone is on conversation, the call can be moved to the mobile phone by using Move button.

- **Move to Desk**

If a mobile is on conversation or is ringing, the call can be moved to the desk phone by using Move button.
The 3G call on the mobile is not moved.

- **Mobile Pickup Desk Call**

If a desk phone is ringing, the mobile phone can answer the call by using Move button.

Call Move Using NFC Tagging (1/2)

- SCM supports NFC services through the NFC phone (such as SMT-i5343) and the mobile in which SDM (A Samsung Mobile App) is installed.
- The call which is ringing or is on conversation can be moved by touching SDM's menu.
- The pairing between a desk phone and a mobile should be configured.
- The 'NFC Service' should be permitted in [CONFIGURATION > Service > Feature Service > Class of Service] menu.

The image shows two screenshots from a configuration interface. The left screenshot shows the 'CONFIGURATION' menu with a tree view. The right screenshot shows the 'Class of Service - Change' dialog box.

CONFIGURATION Menu:

- Location
- User Group
- User
- Trunk Routing
- Time Schedule
- Service
 - Feature Service
 - Class of Service** (highlighted with a red box)

Class of Service - Change Dialog:

User Group: UG1

Override Level: Level 3

Call Limitation Level: Level 0

Restriction Policy:

Hot Spot Restriction Policy:

IP Zone A Restriction Policy:

Call Transfer Restriction Policy:

Name: UG1_default

Privacy Level: Level 3

Second Service Class:

Call Forward Restriction Policy:

mVoIP Restriction Policy:

IP Zone B Restriction Policy:

Smart Handover Type:

Service Permission:

<input checked="" type="checkbox"/> Call Forward All	<input checked="" type="checkbox"/> Call Forward Busy	<input checked="" type="checkbox"/> Call Forward No Answer	<input checked="" type="checkbox"/> Call Forward Unreachable
<input checked="" type="checkbox"/> Preset Call Forward All	<input checked="" type="checkbox"/> Preset Call Forward Busy	<input checked="" type="checkbox"/> Preset Call Forward No Answer	<input checked="" type="checkbox"/> Preset Call Forward Unreachable
<input checked="" type="checkbox"/> Preset Call Forward DND	<input checked="" type="checkbox"/> Absence	<input checked="" type="checkbox"/> Wake-Up Call	<input checked="" type="checkbox"/> DND
<input checked="" type="checkbox"/> Hot Line	<input checked="" type="checkbox"/> Outbound Call Lock	<input checked="" type="checkbox"/> Auto Retry	<input checked="" type="checkbox"/> Callback
<input checked="" type="checkbox"/> Remote Office	<input checked="" type="checkbox"/> Multi-ring	<input checked="" type="checkbox"/> Caller ID Block	<input checked="" type="checkbox"/> Group Call Forward
<input checked="" type="checkbox"/> No Ring	<input checked="" type="checkbox"/> AME	<input checked="" type="checkbox"/> Call Waiting	<input checked="" type="checkbox"/> Auto Answer
<input checked="" type="checkbox"/> Auto Record	<input checked="" type="checkbox"/> Hot Desking	<input checked="" type="checkbox"/> Individual Speed Dial	<input checked="" type="checkbox"/> Incoming Call Logging
<input checked="" type="checkbox"/> Second Service Class	<input checked="" type="checkbox"/> Follow Me	<input checked="" type="checkbox"/> Caller ID Display	<input checked="" type="checkbox"/> Call Recording
<input checked="" type="checkbox"/> Add-On Conference	<input checked="" type="checkbox"/> One-Step Conference	<input checked="" type="checkbox"/> Music on Hold	<input checked="" type="checkbox"/> Call Park Extension
<input checked="" type="checkbox"/> Call Park Orbit	<input checked="" type="checkbox"/> Call Transfer	<input checked="" type="checkbox"/> Barge-In with Tone	<input checked="" type="checkbox"/> Barge-In without Tone
<input type="checkbox"/> DND Override	<input type="checkbox"/> Restricted Call Forward	<input checked="" type="checkbox"/> Temporary CID Restriction	<input checked="" type="checkbox"/> Station Paging
<input checked="" type="checkbox"/> Ring Plan Override	<input type="checkbox"/> Paging On Answer	<input type="checkbox"/> Remote Extension Set	<input type="checkbox"/> Hotel Inter-Room Call Lock
<input checked="" type="checkbox"/> Premium CID Service	<input type="checkbox"/> No Ring Override	<input checked="" type="checkbox"/> Meet-me Conference	<input checked="" type="checkbox"/> Multi-Device Conference
<input checked="" type="checkbox"/> BLF Key Create	<input checked="" type="checkbox"/> Operator Call	<input checked="" type="checkbox"/> No Use Transferee Restriction Policy	<input checked="" type="checkbox"/> Direct Trunk Selection
<input checked="" type="checkbox"/> Call Bridge	<input checked="" type="checkbox"/> Move To Mobile	<input checked="" type="checkbox"/> Mobile Auto Answer	<input checked="" type="checkbox"/> NFC Service (highlighted with a red box)
<input checked="" type="checkbox"/> Smart Routing Activate	<input checked="" type="checkbox"/> Smart Routing including Access Co..	<input type="checkbox"/> Smart Routing Call Reject	<input checked="" type="checkbox"/> Service After Smart Routing
<input checked="" type="checkbox"/> Receiving Call in Hot Spot Zone	<input checked="" type="checkbox"/> Receiving Call in mVoIP Zone	<input checked="" type="checkbox"/> Unregistered BLF On	<input checked="" type="checkbox"/> NFC Service for Any Mobile
<input checked="" type="checkbox"/> NFC Move to WE VoIP First	<input checked="" type="checkbox"/> Different Group Call Forward	<input checked="" type="checkbox"/> Change User Name	<input checked="" type="checkbox"/> Malicious Call Trace

Buttons: Change, Apply, Close

Call Move Using NFC Tagging (2/2)

- If the 'NFC Service for Any Mobile' is permitted in [CONFIGURATION > Service > Feature Service > Class of Service] menu, user can use NFC Service using temporary pairing.
- NFC Move To Mobile
 - If a desk phone is on conversation, the call can be moved to the mobile phone by touching NFC interface between them.
 - If The 'NFC Move To WE VoIP First' should be permitted in [CONFIGURATION > Service > Feature Service > Class of Service] menu, change the destination to WE-VoIP.

The image shows a software interface for configuring services. On the left is a 'CONFIGURATION' sidebar with a tree view containing: Location, User Group, User, Trunk Routing, Time Schedule, and Service. The 'Service' item is expanded, showing 'Feature Service' and 'Class of Service' (which is highlighted with a red box). Below this are links for 'Service Activation', 'Feature Code', 'Activated Service List', and 'Service Permission'. The main window is titled '[DIALOG]Class of Service - Change'. It contains two columns of dropdown menus for 'User Group' (UG1), 'Override Level' (Level 3), 'Call Limitation Level' (Level 0), 'Restriction Policy', 'Hot Spot Restriction Policy', 'IP Zone A Restriction Policy', 'Call Transfer Restriction Policy', 'Name' (UG1_default), 'Privacy Level' (Level 3), 'Second Service Class', 'Call Forward Restriction Policy', 'mVoIP Restriction Policy', 'IP Zone B Restriction Policy', and 'Smart Handover Type'. Below these is a 'Service Permission' section with a grid of checkboxes. The 'NFC Move to WE VoIP First' checkbox is checked and highlighted with a red box. In the bottom right of the permissions grid, the 'NFC Service for Any Mobile' checkbox is also checked and highlighted with a red box. At the bottom of the dialog are 'Change', 'Apply', and 'Close' buttons.

Service Permission			
<input checked="" type="checkbox"/> Call Forward All	<input checked="" type="checkbox"/> Call Forward Busy	<input checked="" type="checkbox"/> Call Forward No Answer	<input checked="" type="checkbox"/> Call Forward Unreachable
<input checked="" type="checkbox"/> Preset Call Forward All	<input checked="" type="checkbox"/> Preset Call Forward Busy	<input checked="" type="checkbox"/> Preset Call Forward No Answer	<input checked="" type="checkbox"/> Preset Call Forward Unreachable
<input checked="" type="checkbox"/> Preset Call Forward DND	<input checked="" type="checkbox"/> Absence	<input checked="" type="checkbox"/> Wake-Up Call	<input checked="" type="checkbox"/> DND
<input checked="" type="checkbox"/> Hot Line	<input checked="" type="checkbox"/> Outbound Call Lock	<input checked="" type="checkbox"/> Auto Retry	<input checked="" type="checkbox"/> Callback
<input checked="" type="checkbox"/> Remote Office	<input checked="" type="checkbox"/> Multi-ring	<input checked="" type="checkbox"/> Caller ID Block	<input checked="" type="checkbox"/> Group Call Forward
<input checked="" type="checkbox"/> No Ring	<input checked="" type="checkbox"/> AME	<input checked="" type="checkbox"/> Call Waiting	<input checked="" type="checkbox"/> Auto Answer
<input checked="" type="checkbox"/> Auto Record	<input checked="" type="checkbox"/> Hot Desking	<input checked="" type="checkbox"/> Individual Speed Dial	<input checked="" type="checkbox"/> Incoming Call Logging
<input checked="" type="checkbox"/> Second Service Class	<input checked="" type="checkbox"/> Follow Me	<input checked="" type="checkbox"/> Caller ID Display	<input checked="" type="checkbox"/> Call Recording
<input checked="" type="checkbox"/> Add-On Conference	<input checked="" type="checkbox"/> One-Step Conference	<input checked="" type="checkbox"/> Music on Hold	<input checked="" type="checkbox"/> Call Park Extension
<input checked="" type="checkbox"/> Call Park Orbit	<input checked="" type="checkbox"/> Call Transfer	<input checked="" type="checkbox"/> Barge-In with Tone	<input checked="" type="checkbox"/> Barge-In without Tone
<input type="checkbox"/> DND Override	<input type="checkbox"/> Restricted Call Forward	<input checked="" type="checkbox"/> Temporary CID Restriction	<input checked="" type="checkbox"/> Station Paging
<input checked="" type="checkbox"/> Ring Plan Override	<input checked="" type="checkbox"/> Paging On Answer	<input type="checkbox"/> Remote Extension Set	<input type="checkbox"/> Hotel Inter-Room Call Lock
<input checked="" type="checkbox"/> Premium CID Service	<input type="checkbox"/> No Ring Override	<input checked="" type="checkbox"/> Meet-me Conference	<input checked="" type="checkbox"/> Multi-Device Conference
<input checked="" type="checkbox"/> BLF Key Create	<input checked="" type="checkbox"/> Operator Call	<input checked="" type="checkbox"/> No Use Transferee Restriction Policy	<input checked="" type="checkbox"/> Direct Trunk Selection
<input checked="" type="checkbox"/> Call Bridge	<input checked="" type="checkbox"/> Move To Mobile	<input checked="" type="checkbox"/> Mobile Auto Answer	<input checked="" type="checkbox"/> NFC Service
<input checked="" type="checkbox"/> Smart Routing Activate	<input checked="" type="checkbox"/> Smart Routing including Access Co..	<input type="checkbox"/> Smart Routing Call Reject	<input checked="" type="checkbox"/> Service After Smart Routing
<input checked="" type="checkbox"/> Receiving Call in Hot Spot Zone	<input checked="" type="checkbox"/> Receiving Call in mVoIP Zone	<input checked="" type="checkbox"/> Unregistered BLF On	<input checked="" type="checkbox"/> NFC Service for Any Mobile
<input checked="" type="checkbox"/> NFC Move to WE VoIP First	<input checked="" type="checkbox"/> Different Group Call Forward	<input checked="" type="checkbox"/> Change User Name	<input checked="" type="checkbox"/> Malicious Call Trace

Call Move Using NFC Tagging

NFC Move To Desk

If a mobile is on conversation, the call can be moved to the desk phone by touching NFC interface between them.

NFC Pickup

If a desk phone is ringing, the mobile phone can answer the call by touching NFC interface between them.

CONFIGURATION

Location

User Group

User

Trunk Routing

Time Schedule

Service

Feature Service

Service Activation

Class of Service

Feature Code

Activated Service List

Service Permission

Feature Code

Class of Service

Log Setting

Call Trace

Multi-ring List

Service Activation

...

User Group

UG1

Search

Clear

Reset

Service Type	Feature Code Digit	Minimum Digit Length	Maximum Digit Length
Multi-Ring Enable - Cancel	*460	1	30
Multi-Ring Enable - Set	*461	1	30
Multi-Ring Member - Delete	*470	1	30
Multi-Ring Member - Insert	*471	1	30
NFC Move to Desk			
NFC Move to Mobile			
NFC Pickup			

Chapter 3.

Smart Routing



Smart Routing

- Extension subscribers when dialing a mobile phone number of WeVoIP subscriber, smart routing service is a service that analyzes the number and to call the extension number of WeVoIP subscriber without sending it to the outgoing trunk.
- Smart Routing services are provided if the subscriber is registered and if the “Samsung-Mobile-Phone” User, and user have Mobile Phone Number.
- [Configuration > User > Single Phone User]
- [Configuration > User > Multi-Extension Phone]
- [Configuration > User > Multi-Phone User]

[DIALOG] Single Phone User - Change

User Group	UG1	Service Group	UG1-SG1
Location	UG1-LOC1	Extension Number	2001
Application User ID	2001@ug1.scm.com	Extension Name	2001
Application Password	*****	PIN Number	****
Authentication User ID	2001	Phone Verification	None
Authentication Password	****	MAC Address	
IP Address		Private IP Address	
Profile Login ID	UG12001	Phone Type	Samsung-Mobile-Phone
Profile Login Passcode	****	Language	English
Mobile Phone Number		Use Mobile Phone Number	None
Protocol	UDP	Media	RTP

Smart Routing(cont.)

➤To use the smart routing service, please set the following items.

➤[Configuration > User Group > Change User Group > Information]

The screenshot displays the SCM Administrator web interface. The left sidebar shows the 'CONFIGURATION' menu with 'User Group' expanded, and 'Change User Group' > 'Information' selected. The main area shows the 'Information' tab for a User Group. A table lists the details for 'UG1'.

User Group	Host	CDR Storage ...	Authenticatio...	MOH ID	MOH Enable	Transfer Ring...	User
UG1	ug1.scm.com	None	Internal	1100	Enable	1115	

At the bottom of the interface, the 'Change' button is highlighted with a red box.

Class of Service Setting 1

[DIALOG]Information - Change

Search

Service Permission

<input checked="" type="checkbox"/> Call Forward All	<input checked="" type="checkbox"/> Call Forward Busy	<input checked="" type="checkbox"/> Call Forward No Answer	<input checked="" type="checkbox"/> Call Forward Unreachable
<input checked="" type="checkbox"/> Preset Call Forward All	<input checked="" type="checkbox"/> Preset Call Forward Busy	<input checked="" type="checkbox"/> Preset Call Forward No Answer	<input checked="" type="checkbox"/> Preset Call Forward Unreachable
<input checked="" type="checkbox"/> Preset Call Forward DND	<input checked="" type="checkbox"/> Absence	<input checked="" type="checkbox"/> Wake-Up Call	<input checked="" type="checkbox"/> DND
<input checked="" type="checkbox"/> Hot Line	<input checked="" type="checkbox"/> Outbound Call Lock	<input checked="" type="checkbox"/> Auto Retry	<input checked="" type="checkbox"/> Callback
<input checked="" type="checkbox"/> Remote Office	<input checked="" type="checkbox"/> Multi-ring	<input checked="" type="checkbox"/> Caller ID Block	<input checked="" type="checkbox"/> Group Call Forward
<input checked="" type="checkbox"/> No Ring	<input checked="" type="checkbox"/> AME	<input checked="" type="checkbox"/> Call Waiting	<input checked="" type="checkbox"/> Auto Answer
<input checked="" type="checkbox"/> Auto Record	<input checked="" type="checkbox"/> Hot Desking	<input checked="" type="checkbox"/> Individual Speed Dial	<input checked="" type="checkbox"/> Incoming Call Logging
<input checked="" type="checkbox"/> Second Service Class	<input checked="" type="checkbox"/> Follow Me	<input checked="" type="checkbox"/> Caller ID Display	<input checked="" type="checkbox"/> Call Recording
<input checked="" type="checkbox"/> Add-On Conference	<input checked="" type="checkbox"/> One-Step Conference	<input checked="" type="checkbox"/> Music on Hold	<input checked="" type="checkbox"/> Call Park Extension
<input checked="" type="checkbox"/> Call Park Orbit	<input checked="" type="checkbox"/> Call Transfer	<input checked="" type="checkbox"/> Barge-In with Tone	<input checked="" type="checkbox"/> Barge-In without Tone
<input type="checkbox"/> DND Override	<input type="checkbox"/> Restricted Call Forward	<input checked="" type="checkbox"/> Temporary CID Restriction	<input checked="" type="checkbox"/> Station Paging
<input checked="" type="checkbox"/> Ring Plan Override	<input checked="" type="checkbox"/> Paging On Answer	<input type="checkbox"/> Remote Extension Set	<input type="checkbox"/> Hotel Inter-Room Call Lock
<input checked="" type="checkbox"/> Premium CID Service	<input type="checkbox"/> No Ring Override	<input checked="" type="checkbox"/> Meet-me Conference	<input checked="" type="checkbox"/> Multi-Device Conference
<input checked="" type="checkbox"/> BLF Key Create	<input checked="" type="checkbox"/> Operator Call	<input checked="" type="checkbox"/> Call Transfer without Restriction Pol..	<input checked="" type="checkbox"/> Direct Trunk Selection
<input checked="" type="checkbox"/> Call Bridge	<input checked="" type="checkbox"/> Move To Mobile	<input checked="" type="checkbox"/> Mobile Auto Answer	<input checked="" type="checkbox"/> NFC Service
<input checked="" type="checkbox"/> Smart Routing Activate	<input type="checkbox"/> Smart Routing including Access Co..	<input type="checkbox"/> Smart Routing Call Reject	<input type="checkbox"/> Service After Smart Routing
<input checked="" type="checkbox"/> Receiving Call in Hot Spot Zone	<input checked="" type="checkbox"/> Receiving Call in mVoIP Zone	<input checked="" type="checkbox"/> Unregistered BLF On	<input checked="" type="checkbox"/> NFC Service for Any Mobile
<input type="checkbox"/> NFC Move to WE VoIP First	<input type="checkbox"/> Malicious Call Trace		

☐ Selected All

Change Apply Close

Class of Service Setting 2

Item	Description
Smart Routing Activate	Operator will be able to choose whether or not to use smart routing service.
Smart Routing including Access Code	Operator will be able to choose whether to provide smart routing services to the number that contains the Access code.
Smart Routing Call Reject	It is the ability to choose to call directly to the mobile phone through the Trunk. Subscribers that use this item will not be able to receive the smart routing service.
Service After Smart Routing	If there is a service the subscriber set, you will be able to choose whether to apply the smart routing. The service that Operator set, Call Forward, Do Not Disturb, Absence, Follow Me is belong.

➤ If the WeVoIP subscriber has no response when receiving a call to an extension number of WeVoIP subscriber through a smart routing service, the system can offer a redial service to mobile phone number of the subscriber.

➤ For use the recall service, Operator should set the [Service Call Access Code], in [Configuration > User Group > Change User Group > Information] Menu.

Receiving Call in Hot Spot Zone

➤ **[Receiving Call in Hot Spot Zone]** is used to Allow the WeVoIP subscribers can receive call in the Hot Spot Zone.

➤ **[Hot Spot Zone]** means that an external Wifi network.

➤ To use the **[Receiving Call in Hot Spot Zone]**, need to set the following item in the menu.
[Configuration > User Group > Change User Group > Information]

[DIALOG]Information - Change

Service Permission

<input checked="" type="checkbox"/> Call Forward All	<input checked="" type="checkbox"/> Call Forward Busy	<input checked="" type="checkbox"/> Call Forward No Answer	<input checked="" type="checkbox"/> Call Forward Unreachable
<input checked="" type="checkbox"/> Preset Call Forward All	<input checked="" type="checkbox"/> Preset Call Forward Busy	<input checked="" type="checkbox"/> Preset Call Forward No Answer	<input checked="" type="checkbox"/> Preset Call Forward Unreachable
<input checked="" type="checkbox"/> Preset Call Forward DND	<input checked="" type="checkbox"/> Absence	<input checked="" type="checkbox"/> Wake-Up Call	<input checked="" type="checkbox"/> DND
<input checked="" type="checkbox"/> Hot Line	<input checked="" type="checkbox"/> Outbound Call Lock	<input checked="" type="checkbox"/> Auto Retry	<input checked="" type="checkbox"/> Callback
<input checked="" type="checkbox"/> Remote Office	<input checked="" type="checkbox"/> Multi-ring	<input checked="" type="checkbox"/> Caller ID Block	<input checked="" type="checkbox"/> Group Call Forward
<input checked="" type="checkbox"/> No Ring	<input checked="" type="checkbox"/> AME	<input checked="" type="checkbox"/> Call Waiting	<input checked="" type="checkbox"/> Auto Answer
<input checked="" type="checkbox"/> Auto Record	<input checked="" type="checkbox"/> Hot Desking	<input checked="" type="checkbox"/> Individual Speed Dial	<input checked="" type="checkbox"/> Incoming Call Logging
<input checked="" type="checkbox"/> Second Service Class	<input checked="" type="checkbox"/> Follow Me	<input checked="" type="checkbox"/> Caller ID Display	<input checked="" type="checkbox"/> Call Recording
<input checked="" type="checkbox"/> Add-On Conference	<input checked="" type="checkbox"/> One-Step Conference	<input checked="" type="checkbox"/> Music on Hold	<input checked="" type="checkbox"/> Call Park Extension
<input checked="" type="checkbox"/> Call Park Orbit	<input checked="" type="checkbox"/> Call Transfer	<input checked="" type="checkbox"/> Barge-In with Tone	<input checked="" type="checkbox"/> Barge-In without Tone
<input type="checkbox"/> DND Override	<input type="checkbox"/> Restricted Call Forward	<input checked="" type="checkbox"/> Temporary CID Restriction	<input checked="" type="checkbox"/> Station Paging
<input checked="" type="checkbox"/> Ring Plan Override	<input checked="" type="checkbox"/> Paging On Answer	<input type="checkbox"/> Remote Extension Set	<input type="checkbox"/> Hotel Inter-Room Call Lock
<input checked="" type="checkbox"/> Premium CID Service	<input type="checkbox"/> No Ring Override	<input checked="" type="checkbox"/> Meet-me Conference	<input checked="" type="checkbox"/> Multi-Device Conference
<input checked="" type="checkbox"/> BLF Key Create	<input checked="" type="checkbox"/> Operator Call	<input checked="" type="checkbox"/> Call Transfer without Restriction Pol...	<input checked="" type="checkbox"/> Direct Trunk Selection
<input checked="" type="checkbox"/> Call Bridge	<input checked="" type="checkbox"/> Move To Mobile	<input checked="" type="checkbox"/> Mobile Auto Answer	<input checked="" type="checkbox"/> NFC Service
<input checked="" type="checkbox"/> Smart Routing Activate	<input type="checkbox"/> Smart Routing including Access Co...	<input type="checkbox"/> Smart Routing Call Reject	<input type="checkbox"/> Service After Smart Routing
<input checked="" type="checkbox"/> Receiving Call in Hot Spot Zone	<input checked="" type="checkbox"/> Receiving Call in mVoIP Zone	<input checked="" type="checkbox"/> Unregistered BLF On	<input checked="" type="checkbox"/> NFC Service for Any Mobile
<input type="checkbox"/> NFC Move to WE VoIP First	<input type="checkbox"/> Malicious Call Trace		

☐ Selected All

Change Apply Close

Receiving Call in mVoIP Zone

➤ **[Receiving Call in mVoIP Zone]** is used to Allow the WeVoIP subscribers can receive call in the mVoIP Zone.

➤ **[mVoIP Zone]** means that an external data network.

➤ To use the **[Receiving Call in mVoIP Zone]**, need to set the following item in the menu.

[Configuration > User Group > Change User Group > Information]

The screenshot shows a web-based configuration interface titled "[DIALOG]Information - Change". It features a search bar and a list of service permissions organized in four columns. The "Receiving Call in mVoIP Zone" checkbox is highlighted with a red box.

Service Permission			
<input checked="" type="checkbox"/> Call Forward All	<input checked="" type="checkbox"/> Call Forward Busy	<input checked="" type="checkbox"/> Call Forward No Answer	<input checked="" type="checkbox"/> Call Forward Unreachable
<input checked="" type="checkbox"/> Preset Call Forward All	<input checked="" type="checkbox"/> Preset Call Forward Busy	<input checked="" type="checkbox"/> Preset Call Forward No Answer	<input checked="" type="checkbox"/> Preset Call Forward Unreachable
<input checked="" type="checkbox"/> Preset Call Forward DND	<input checked="" type="checkbox"/> Absence	<input checked="" type="checkbox"/> Wake-Up Call	<input checked="" type="checkbox"/> DND
<input checked="" type="checkbox"/> Hot Line	<input checked="" type="checkbox"/> Outbound Call Lock	<input checked="" type="checkbox"/> Auto Retry	<input checked="" type="checkbox"/> Callback
<input checked="" type="checkbox"/> Remote Office	<input checked="" type="checkbox"/> Multi-ring	<input checked="" type="checkbox"/> Caller ID Block	<input checked="" type="checkbox"/> Group Call Forward
<input checked="" type="checkbox"/> No Ring	<input checked="" type="checkbox"/> AME	<input checked="" type="checkbox"/> Call Waiting	<input checked="" type="checkbox"/> Auto Answer
<input checked="" type="checkbox"/> Auto Record	<input checked="" type="checkbox"/> Hot Desking	<input checked="" type="checkbox"/> Individual Speed Dial	<input checked="" type="checkbox"/> Incoming Call Logging
<input checked="" type="checkbox"/> Second Service Class	<input checked="" type="checkbox"/> Follow Me	<input checked="" type="checkbox"/> Caller ID Display	<input checked="" type="checkbox"/> Call Recording
<input checked="" type="checkbox"/> Add-On Conference	<input checked="" type="checkbox"/> One-Step Conference	<input checked="" type="checkbox"/> Music on Hold	<input checked="" type="checkbox"/> Call Park Extension
<input checked="" type="checkbox"/> Call Park Orbit	<input checked="" type="checkbox"/> Call Transfer	<input checked="" type="checkbox"/> Barge-In with Tone	<input checked="" type="checkbox"/> Barge-In without Tone
<input type="checkbox"/> DND Override	<input type="checkbox"/> Restricted Call Forward	<input checked="" type="checkbox"/> Temporary CID Restriction	<input checked="" type="checkbox"/> Station Paging
<input checked="" type="checkbox"/> Ring Plan Override	<input checked="" type="checkbox"/> Paging On Answer	<input type="checkbox"/> Remote Extension Set	<input type="checkbox"/> Hotel Inter-Room Call Lock
<input checked="" type="checkbox"/> Premium CID Service	<input type="checkbox"/> No Ring Override	<input checked="" type="checkbox"/> Meet-me Conference	<input checked="" type="checkbox"/> Multi-Device Conference
<input checked="" type="checkbox"/> BLF Key Create	<input checked="" type="checkbox"/> Operator Call	<input checked="" type="checkbox"/> Call Transfer without Restriction Pol..	<input checked="" type="checkbox"/> Direct Trunk Selection
<input checked="" type="checkbox"/> Call Bridge	<input checked="" type="checkbox"/> Move To Mobile	<input checked="" type="checkbox"/> Mobile Auto Answer	<input checked="" type="checkbox"/> NFC Service
<input checked="" type="checkbox"/> Smart Routing Activate	<input type="checkbox"/> Smart Routing including Access Co..	<input type="checkbox"/> Smart Routing Call Reject	<input type="checkbox"/> Service After Smart Routing
<input checked="" type="checkbox"/> Receiving Call in Hot Spot Zone	<input checked="" type="checkbox"/> Receiving Call in mVoIP Zone	<input checked="" type="checkbox"/> Unregistered BLF On	<input checked="" type="checkbox"/> NFC Service for Any Mobile
<input type="checkbox"/> NFC Move to WE VoIP First	<input type="checkbox"/> Malicious Call Trace		

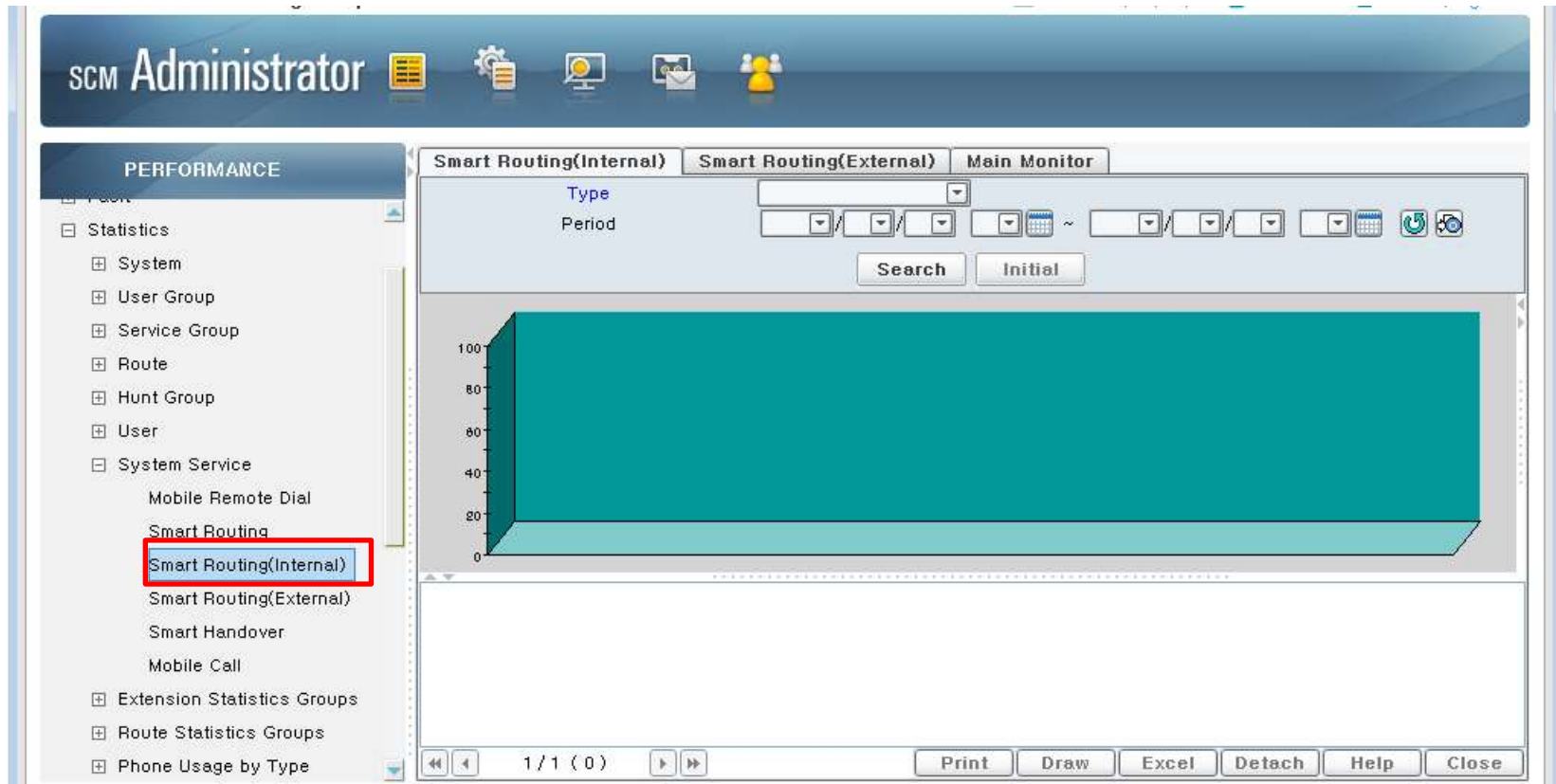
Selected All ☐

Change Apply Close

Smart Routing Statistics

➤ Smart Routing Statistics

[PERFORMANCE > Statistics > System Service > Smart Routing (Internal)]



Chapter 4.

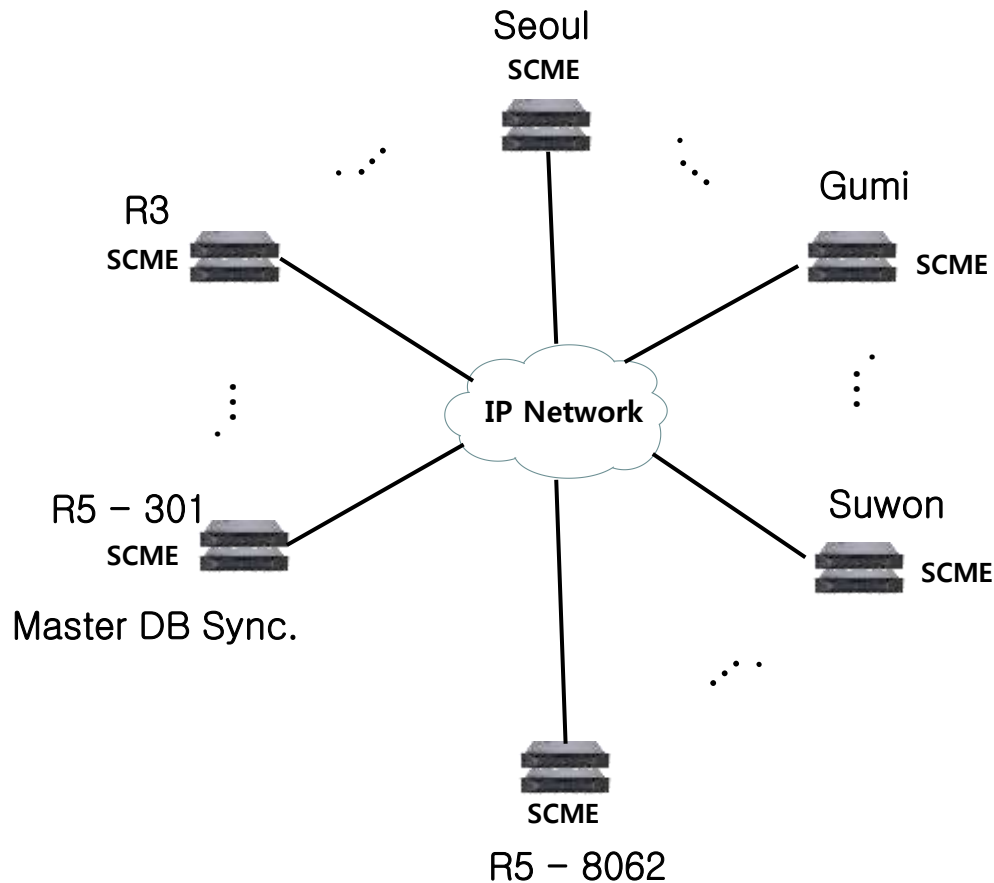
Inter SCME Smart Routing



Inter SCM Smart Routing

Specifications

- Mobile Number Sharing : Max. 1,000,000 number
- SCME Capacity : 100 System Inter SCME Smart Routing



Inter SCM Smart Routing

- Inter SCM Smart Routing is auto-routing functionality when SCMs are connected with peering.
- SCM automatically recognizes the mobile number when subscribers are dialing to trunk
- Route Configuration and Restriction of Inter SCM Smart Routing

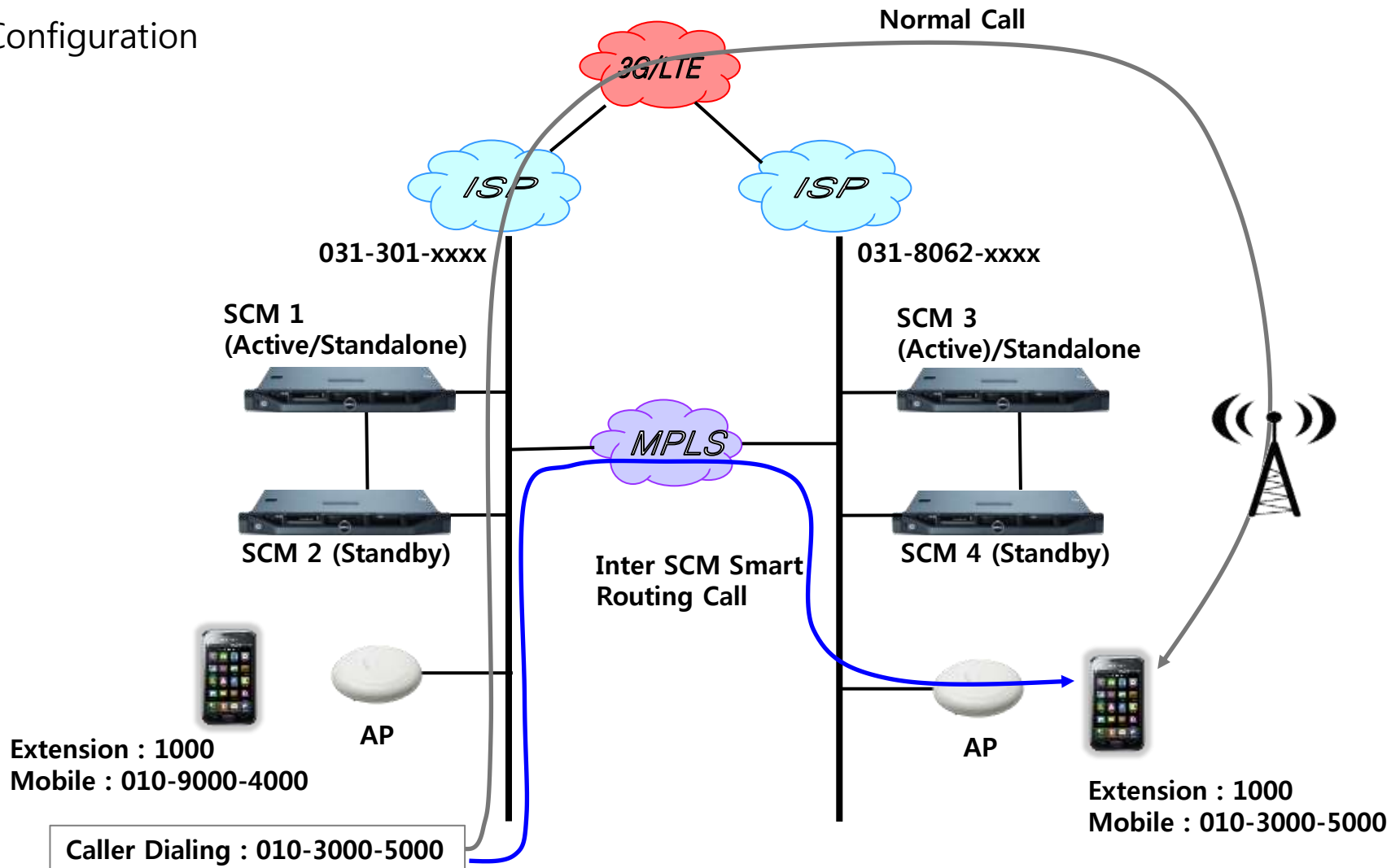
1) SCM Peering have to be set before using Inter SCM Smart Routing

[Inbound Error Announcement]

- must be set to DISABLE to use rerouting when Inter SCM Smart Routing Call fails
- Option to Enable/Disable Smart Routing Service at individual User Group
[Configuration > User Group>Change User Group>Options] Smart Routing Service
- To restrict Inter SCM Smart Routing at specific access code.
[Configuration > Inter-SCM Setting>Inter SCM Routing]
delete value of SCM Access Code
- Functionality to restrict mobile number when Inter SCM Smart Routing
[Configuration > Trunk Routing>Smart Routing Restriction List] add mobile number

Inter SCM Smart Routing

➤ Configuration



Inter SCM Smart Routing

- Inbound Error Announcement Disable
[CONFIGURATION > Trunk Routing > Route] press "Change" button
Select "Trunk Service" and check "Inbound Error Announcement"

The screenshot displays the SCM Administrator web interface. On the left, the 'CONFIGURATION' menu is expanded, showing 'User', 'Trunk Routing', and 'Route' (highlighted with a red box). The main area shows the 'Route' configuration page with tabs for 'Route', 'Timers', and 'Main Monitor'. A table lists route details for 'UG1' and 'RTE_142'. Below this, the '[DIALOG] Route - Change' window is open, showing the 'Trunk Service' tab (highlighted with a red box). This tab contains various configuration options, with 'Inbound Error Announcement' set to 'Disable' (highlighted with a red box). Other options include 'Trunk Access Code', 'Available Route', 'Trunk Restriction Policy', 'Anonymous Call Reject', 'Maximum Call', 'Maximum Outbound Call', 'Outbound Error Announcement', 'Call Forward Announcement Iteration', 'Use Virtual Ringback', 'Default Access Code for Tendum', 'Route Lock', 'Call Forward Block', 'Class of Service', 'Maximum Inbound Call', 'Allow Reroute ReasonCode', 'Caller Ring Type', and 'Use Real Ringback'. The 'Change', 'Apply', and 'Close' buttons are at the bottom.

Route Type	User Group	Route Name	Location	Register Type	Proxy Server	Port
User Group	UG1	RTE_142	UG1-LOC1	None	10.251.194.142	5060

Basic Configuration		SIP Registration		Additional SIP		Trunk Service		Interworking		Number Translation	
Trunk Access Code											
Available Route	Enable										
Trunk Restriction Policy											
Anonymous Call Reject	None										
Maximum Call											
Maximum Outbound Call											
Outbound Error Announcement	Disable										
Call Forward Announcement Iteration	0										
Use Virtual Ringback	Disable										
				Default Access Code for Tendum		Disable					
				Route Lock		None					
				Call Forward Block		Disable					
				Class of Service							
				Maximum Inbound Call							
				Allow Reroute ReasonCode							
				Inbound Error Announcement		Disable					
				Caller Ring Type		None					
				Use Real Ringback		Disable					

Inter SCM Smart Routing

- Option to Enable/Disable Smart Routing Service at individual User Group
[Configuration > User Group>Change User Group>Options] Smart Routing Service

The screenshot displays the 'CONFIGURATION' menu on the left, with 'Options' highlighted. The main area shows the 'Options' tab for a specific 'User Group' (UG1). Below this, a table lists various settings for UG1, including Transfer Ring, Operator Recall, Auto Answer, and Chain Forwarding. A dialog box titled '[DIALOG] Options - Change' is open, showing a detailed configuration for UG1. The 'Smart Routing Service' is set to 'Enable'.

User Group	Transfer Ring...	Operator Recall	Auto Answer ...	Auto Answer T...	Chain Forward...	Call Authentic
UG1	MOH	Disable	Bellcore 1	0	First Callee	Disable

Setting	Value
User Group	UG1
Operator Recall	Disable
Auto Answer Tone Count	0
Call Authentication	Disable
Maximum Call Forward Count	3
Park Announcement ID	1100
Wake-Up Announcement ID	1049
Wake-Up No Answer Retry Count	3
Callback Ring Type	None
Paging On Answer Ring Type	None
Predefined Conf. Ring Type	Siren 1
Transfer Recall	Enable All
Node1 App Server Service Group	UG1-APPGRP2
Missed Call by Hunt Answer	Display Disable
Missed Call for Pickup	Display Disable
Transfer Target Display for Recall	Enable Operator Only
No Ring for Multi-Device	Disable
Hunt Group Member Service	Disable
Use Default Access Code Use List	No
All Hot Desking Logout Time	00:00:00
LDAP Server Update Option	Not use
Mobile Phone Location Service	No
Transfer RingBack Tone	MOH
Auto Answer Attention Tone	Bellcore 1
Chain Forwarding	First Callee
CSTA Port	6001
Long Duration Call Auto Release	Disable
Push Service Announcement ID	
Wake-Up Announcement Iteration	3
Wake-Up Ring Type	None
Recall Ring Type	None
Dispatch Conf. Ring Type	Siren 1
Line Seize Option	None
Application Server Service Group	UG1-APPGRP1
Missed Call by Multi-Device	Display Disable
Missed Call by Multiring Answer	Display Disable
System Speed Dial Display	Speed Number
CSTA Node Code	0
Minimum Number Translation Length	10
Smart Routing Service	Enable
All Hot Desking Logout	Disable
Multi-ring Member Display	Multi-ring
Dialing Number Display for Outgoing	Peer Info

Inter SCM Smart Routing for Central

(2) Synchronization of Mobile number between SCM

For synchronization work, Central system is necessary, the SCM of rest, must be set to Normal system. Central system plays a role in collecting the mobile Number of Normal System.

Inter SCM Smart Routing for Central

- To synchronize the mobile phone number stored in other SCMs
Please set the following items in [Configuration > Inter-SCM Setting] menu.
[My SCM Configuration]
It is the item to be set in both the the [Central system](#).

→ 031-301 System

The screenshot shows the 'My SCM Configuration' dialog box with the following fields and values:

System Type	SCM ID	SCM Name	Authentication ID	Authentication P...	Central System ...
Central System	1	301			

The dialog box also contains the following fields:

- System Type: Central System
- SCM Name: 301
- Authentication Password: [Empty]
- Central System TLS Port Number: 11102
- SCM ID: 1
- Authentication ID: [Empty]
- Central System Address: [Empty]
- Central System HTTPS Port Number: 443

Buttons: Change, Apply, Close

Navigation: 1 / 1 (1)

Buttons: Detail, Change, Excel, Detach, Close

Central System set to "1"

Inter SCM Smart Routing for Central

➤ Database sync. Time Setting

The screenshot displays the 'Inter SCM Smart Routing for Central' application. The main window has a left sidebar with a 'CONFIGURATION' menu containing 'User', 'Trunk Routing', 'Time Schedule', 'Service', 'Wireless Enterprise', and 'Application'. The main area shows a 'Database Sync.' tab with a 'Search' button and a table with columns 'Schedule Type', 'Weekday', and 'Time'. The table contains one row: 'Day', '0', '0300'. A dialog box titled '[DIALOG] Database Sync. - Change' is open in the foreground. It has a 'Schedule Type' dropdown set to 'Day', a 'Time' field set to '03:00', and a 'Weekday' dropdown. The 'Database Sync.' option in the sidebar is also highlighted with a red box. The dialog box has 'Change', 'Apply', and 'Close' buttons. The main window has a status bar at the bottom with '1 / 1 (1)' and buttons for 'Detail', 'Change', 'Excel', 'Detach', and 'Close'.

Schedule Type	Weekday	Time
Day	0	0300

[DIALOG] Database Sync. - Change

Schedule Type: Day

Time: 03:00

Weekday:

Change Apply Close

Inter-SCM Setting

- My SCM Configuration
- SCM List Configuration
- Inter SCM Routing
- Database Sync.**
- Mobile Number Search

1 / 1 (1)

Detail Change Excel Detach Close

Inter SCM Smart Routing for Central

➤ Check the Inter SCM List Configuration

The screenshot displays the 'Inter SCM List Configuration' interface. On the left, a 'CONFIGURATION' sidebar lists various settings, with 'SCM List Configuration' highlighted. The main area features a 'SCM List Configuration' tab with a search bar and a table of SCM entries. A 'Change' dialog box is open, showing details for SCM ID 2.

SCM List Configuration Table:

SCM ID	SCM Name	Authentication ID	Authentication Passw...	SCM Address	SCM I
1	(central)301				
2	8062	8062	****		

[DIALOG]SCM List Configuration - Change

SCM ID: 2
SCM Name: 8062
Authentication ID: 8062
Authentication Password: ****
SCM Address:
SCM Public Address:

Buttons: Change, Apply, Close

Bottom navigation: 1 / 1 (100) Detail Change Excel Detach Close

Inter SCM Smart Routing for 2nd System

- To synchronize the mobile phone number stored in other SCMs
Please set the following items in [Configuration > Inter-SCM Setting] menu.
[My SCM Configuration]
It is the item to be set in the Normal system

→ 031-8062 System

The screenshot displays the 'My SCM Configuration' interface. At the top, there's a 'Main Monitor' tab and a 'Search' button. Below is a table with columns: System Type, SCM ID, SCM Name, Authentication ID, Authentication P..., and Central System The table contains one row with values: Normal, 2, 8062, 8062, ****, and 123,34,17,20.

Below the table is a dialog box titled '[DIALOG]My SCM Configuration - Change'. It contains several input fields: System Type (set to Normal), SCM Name (8062), Authentication Password (****), Central System TLS Port Number (11102), SCM ID (2), Authentication ID (8062), Central System Address (123,34,17,20), and Central System HTTPS Port Number (443). There are 'Change', 'Apply', and 'Close' buttons at the bottom of the dialog.

Red annotations highlight specific fields with arrows and text:

- A red box around 'Normal' in the System Type dropdown is annotated with '2nd System set to "Normal"'. (Note: The original image has a typo 'nd' which has been corrected to '2nd' in this transcription.)
- A red box around '2' in the SCM ID field is annotated with '2nd System set to "2"'. (Note: The original image has a typo 'nd' which has been corrected to '2nd' in this transcription.)
- A red box around '123,34,17,20' in the Central System Address field is annotated with 'Input The Central System IP Address'.

At the bottom left, there's a sidebar menu with 'My SCM Configuration' highlighted. At the bottom right, there are navigation buttons: Detail, Change, Excel, Detach, and Close.

Inter SCM Smart Routing for Central

- After Inter SCM Smart Routing Database Sync. , input the 2nd System Access Code [Configuration > Inter-SCM Setting>Inter SCM Routing] delete value of SCM Access Code

The screenshot displays the 'Inter SCM Routing' configuration window. On the left is a sidebar with a tree view containing 'User Group', 'User', 'Trunk Routing', 'Time Schedule', 'Gateway', 'Active/Active Redundancy', 'Inter-SCM Setting', 'My SCM Configuration', 'SCM List Configuration', 'Inter SCM Routing' (highlighted with a red box), 'Database Sync.', and 'Mobile Number Search'. The main area has tabs for 'Inter SCM Routing', 'SCM List Configuration', 'My SCM Configuration', and 'Main Monitor'. The 'Inter SCM Routing' tab shows a table with columns: 'Group', 'SCM ID', 'SCM Name', 'SCM Address', 'SCM Public Address', and 'SCM Access Code'. The table contains two rows; the second row (SCM ID 2) is highlighted with a red box. Below the table is a dialog box titled '[DIALOG]Inter SCM Routing - Change'. This dialog has input fields for 'User Group' (UG1), 'SCM Name' (8062), 'SCM ID' (2), 'SCM Address', and 'SCM Access Code' (00042). The 'SCM Access Code' field is highlighted with a red box. At the bottom of the dialog are 'Change', 'Apply', and 'Close' buttons. The bottom of the main window shows a status bar with '1 / 1 (2)' and buttons for 'Detail', 'Change', 'Excel', 'Detach', and 'Close'.

Group	SCM ID	SCM Name	SCM Address	SCM Public Address	SCM Access Code
	1	(central)301			
	2	8062			00042

[DIALOG]Inter SCM Routing - Change

User Group: UG1
SCM Name: 8062
SCM ID: 2
SCM Address:
SCM Access Code: 00042

Change Apply Close

1 / 1 (2) Detail Change Excel Detach Close

Inter SCM Smart Routing for 2nd System

- After Inter SCM Smart Routing Database Sync. , input the 2nd System Access Code [Configuration > Inter-SCM Setting>Inter SCM Routing] delete value of SCM Access Code

The screenshot displays the 'Inter SCM Routing' configuration page. On the left, a sidebar menu shows the navigation path: CONFIGURATION > Inter-SCM Setting > Inter SCM Routing. The main area features a table with columns: Group, SCM ID, SCM Name, SCM Address, SCM Public Address, and SCM Access Code. Two entries are listed: SCM ID 1 with name '(central)301' and access code '00041', and SCM ID 2 with name '8062'. A red box highlights the first row. Below the table, a dialog box titled '[DIALOG]Inter SCM Routing - Change' is open. It contains fields for User Group (UG1), SCM Name ((central)301), SCM ID (1), SCM Address, and SCM Access Code (00041). The 'SCM Access Code' field is highlighted with a red box. At the bottom of the dialog are 'Change', 'Apply', and 'Close' buttons. The bottom of the main window shows a status bar with '1 / 1 (2)' and buttons for 'Detail', 'Change', 'Excel', 'Detach', and 'Close'.

Group	SCM ID	SCM Name	SCM Address	SCM Public Address	SCM Access Code
	1	(central)301			00041
	2	8062			

[DIALOG]Inter SCM Routing - Change

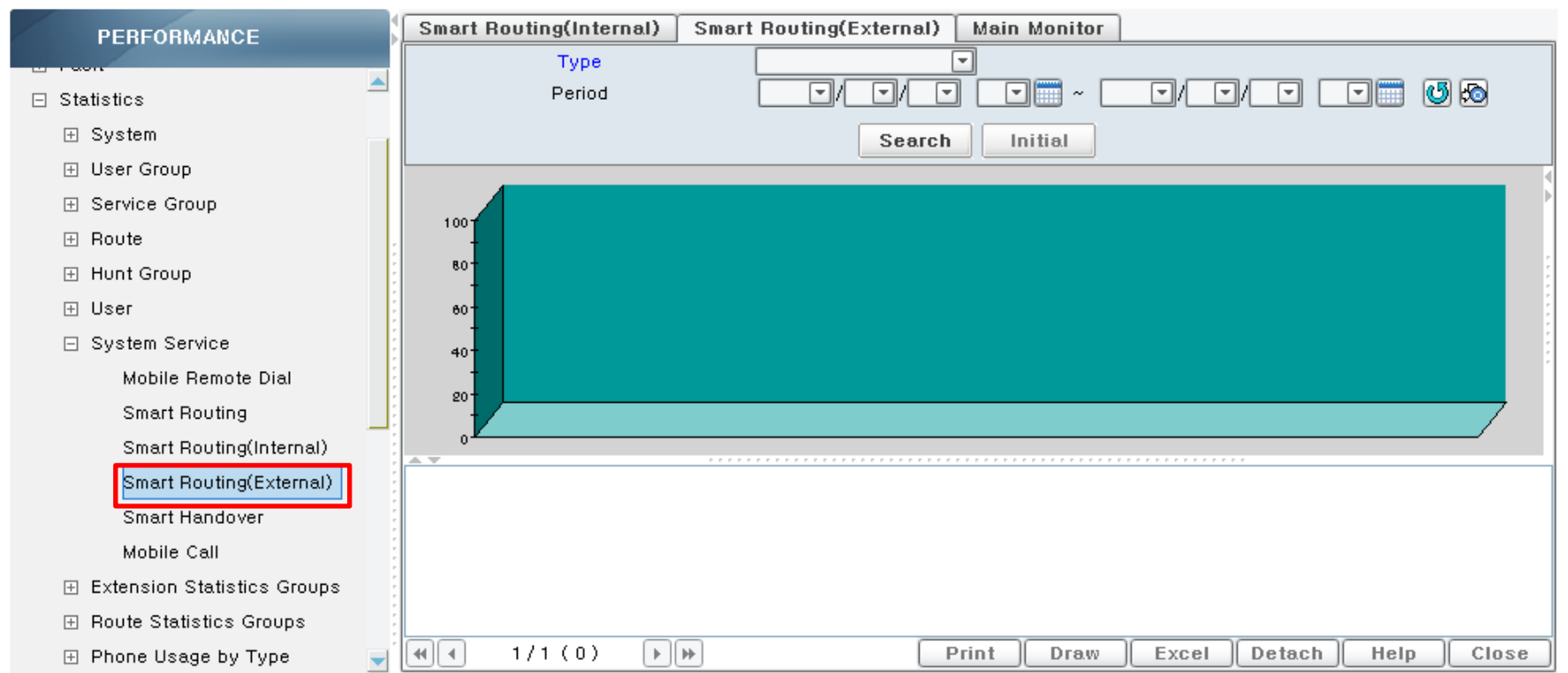
User Group: UG1
SCM Name: (central)301
SCM ID: 1
SCM Address:
SCM Access Code: 00041

Change Apply Close

Inter SCM Smart Routing Statistics

➤ Inter SCM Smart Routing Statistics

[PERFORMANCE > Statistics > System Service > Smart Routing (External)]



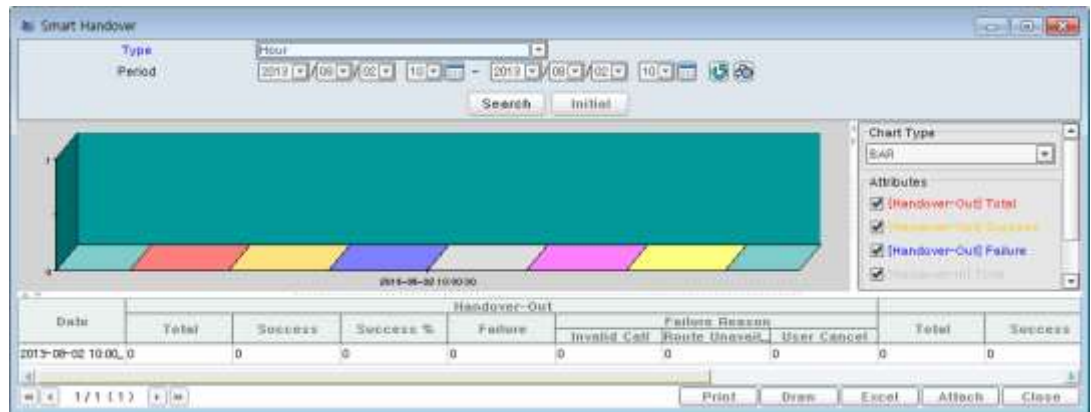
Chapter 5.

Smart Handover



Smart Handover

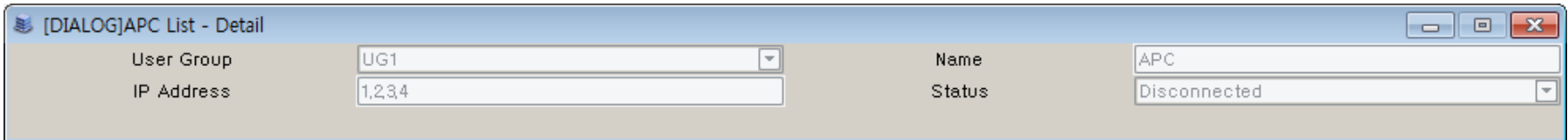
- When the We VoIP subscriber has moved out of the WIFI network during WIFI call, this function is used to provide continuity of currency.
- Smart handover is divided into the 'Handover-Out' and 'Handover-In'.
The Smart Handover-Out is that when WE VoIP subscribers move out of WIFI network during a call, WIFI call is switched to 3G by automatically before it goes out from the WIFI network. The Smart Handover-In is that when WE VoIP subscribers move in of WIFI network during on Smart Handover-Out, 3G call is switched to WIFI by automatically.
- The statistics of success/failure for Smart Handover services is provided through the SCM Administrator. It is found in the **[PERFORMANCE > Statistics > System Service > Smart Handover]** menu.



- The Smart Handover function is only available in WE VoIP device.
So WE VoIP configurations must be required basically.
And Samsung AP/APC must be required.

Interworking APC

- To use a Smart Handover function, TLS link should be established between SCM Express and APC.
- Maximum 24 APC can be configured and can be confirmed the current connection status of APC in the **[CONFIGURATION > Wireless Enterprise > APC List]** menu.



The screenshot shows a window titled "[DIALOG]APC List - Detail". It contains four configuration fields arranged in a 2x2 grid. The top row has "User Group" with a dropdown menu showing "UG1" and "Name" with a text input field containing "APC". The bottom row has "IP Address" with a text input field containing "1,2,3,4" and "Status" with a dropdown menu showing "Disconnected".

User Group	UG1	Name	APC
IP Address	1,2,3,4	Status	Disconnected

Item	Description
User Group	Select a user group for which APC will be configured
Name	Specify the APC name.
IP Address	Specify the APC IP Address.
Status	Confirm the current connection status of APC.

Class of Service Setting 1

- To use a Smart Handover function, creating of Class of Service is needed.
- Class of Service can be set in the **[CONFIGURATION > Service > Feature Service > Class of Service]** menu. When create a Class of Service, Smart Handover Type should be set. Each type as follows.

[DIALOG]Class of Service - Change

User Group: UG1

Override Level: Level 3

Call Limitation Level: Level 0

Restriction Policy: [Empty]

Hot Spot Restriction Policy: [Empty]

Smart Handover Type: Handover Both

Service Permission

<input checked="" type="checkbox"/> Call Forward All	<input checked="" type="checkbox"/> Call Forward Busy	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Preset Call Forward All	<input checked="" type="checkbox"/> Preset Call Forward Busy	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Preset Call Forward DND	<input checked="" type="checkbox"/> Absence	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Hot Line	<input checked="" type="checkbox"/> Outbound Call Lock	<input checked="" type="checkbox"/>

Item	Description
Blank	Handover services are not allowed.
Handover Out	Handover Out service is only allowed.
Handover Both	Handover Out/In service is allowed.

Class of Service Setting 2

- Class of Service created is allocated per user in the **[CONFIGURATION > User > Single Phone User/Multi-Phone User]** menu.

[DIALOG] Single Phone User - Change

User Group	UG1	Service Group	UG1-SG1
Location	UG1-LOC1	Extension Number	2001
Application User ID	2001@ug1.scm.com	Extension Name	2001
Application Password	*****	PIN Number	****
Authentication User ID	2001	Phone Verification	None
Authentication Password	****	MAC Address	
IP Address		Private IP Address	
Profile Login ID	UG12001	Phone Type	Samsung-Mot
Profile Login Passcode	****	Language	Korean
Mobile Phone Number	01095304000	Use Mobile Phone Number	None
Protocol	UDP	Media	RTP
TLS Connection	Reuse	Ping Ring Type	None
A-A Primary Node	NODE 0	A-A Dual Registration	Enable
VMS Extension Number		Make Mailbox	Yes
URI Type	SIP	DTMF	RFC2833
RFC2833 DTMF Payload	101	Time Zone	GMT +09:00 As
Department		Position	
Send CLI Number		Service Group Local CLI Number	
Service Group Local Number		Restriction Policy	
Class of Service		Gateway Name	
Extension Lock	None	LDAP DN Number	
Account Code Use		Auto Answer by Click to Dial	Enable

Other Settings 1

- WE VoIP subscriber's available mobile number must be configured to each user. Mobile number can be set in the **[CONFIGURATION > User > Single Phone User/Multi-Phone User]** menu.

[DIALOG] Single Phone User - Change

User Group	UG1	Service Group	UG1-SG1
Location	UG1-LOC1	Extension Number	2001
Application User ID	2001@ug1.scm.com	Extension Name	2001
Application Password	*****	PIN Number	****
Authentication User ID	2001	Phone Verification	None
Authentication Password	****	MAC Address	
IP Address		Private IP Address	
Profile Login ID	UG12001	Phone Type	Samsung-Mot
Profile Login Passcode	****	Language	Korean
Mobile Phone Number	01095304000	Use Mobile Phone Number	None
Protocol	UDP	Media	RTP
TLS Connection	Reuse	Ping Ring Type	None
A-A Primary Node	NODE 0	A-A Dual Registration	Enable
VMS Extension Number		Make Mailbox	Yes
URI Type	SIP	DTMF	RFC2833
RFC2833 DTMF Payload	101	Time Zone	GMT +09:00 As
Department		Position	
Send CLI Number		Service Group Local CLI Number	
Service Group Local Number		Restriction Policy	
Class of Service		Gateway Name	
Extension Lock	None	LDAP DN Number	
Account Code Use		Auto Answer by Click to Dial	Enable

Other Settings 2

- When WE VoIP is moved in the WIFI network, Smart Handover-In is available function after being WE VoIP registered with the SCM Express. There are needed a Service Guard Time because registering with the SCM Express are needed a few seconds.
- So, Smart Handover-In is working after Service Guard Time.
- Default Service Guard Time is 0 seconds and Service Guard Time can be changed in the **[CONFIGURATION > Miscellaneous > System Options > Smart Handover-In Waiting Time (second)]** menu.

System Options		
Main Monitor		
Node Name		
NODE 0		
Search Clear Reset		
Name	Value	Node Name
SIP TLS Key Password(0)	***	NODE 0
SIP TLS Key Password(1)	***	NODE 0
SIP TLS Key Password Change Used	DISABLE	NODE 0
SIP TLS Private Key Decryption	DISABLE	NODE 0
SIP TLS Version	V1.0	NODE 0
SIP Unreg Connection Timeout (msec)	3600000	NODE 0
SIP Validate Any TLS Certificate	DISABLE	NODE 0
Smart Handover-In Waiting Time (second)	0	NODE 0
SMDR Timer	DISABLE	NODE 0

Other Settings 3

- To use Smart Handover-Out, it is needed the access code for Smart Handover-Out.
- The access code can be configured in the **[CONFIGURATION > User Group > Change User Group > Information > Service Call Access Code]** menu.

The screenshot shows a dialog box titled "[DIALOG]Information - Change". It contains two columns of settings. The left column includes fields for User Group (UG1), Host (ug1.scm.com), MOH ID (1100), Transfer Ringback Tone (1115), CLI Number, Realm (ug1.scm.com), LDAP Root Directory, Default Access Code, Default Class of Service, Override Level (Level 3), and Call Limitation Level (Level 0). The right column includes CDR Storage Options (None), Authentication Method (Internal), MOH Enable (Enable), User Group Code, QOP (Quality of Protection) (Auth), Algorithm (MD5), Restriction Policy, Service Call Access Code (highlighted with a red rectangle), Privacy Level (Level 3), and Second Service Class.

Field	Value
User Group	UG1
Host	ug1.scm.com
MOH ID	1100
Transfer Ringback Tone	1115
CLI Number	
Realm	ug1.scm.com
LDAP Root Directory	
Default Access Code	
Default Class of Service	
Override Level	Level 3
Call Limitation Level	Level 0
CDR Storage Options	None
Authentication Method	Internal
MOH Enable	Enable
User Group Code	
QOP (Quality of Protection)	Auth
Algorithm	MD5
Restriction Policy	
Service Call Access Code	
Privacy Level	Level 3
Second Service Class	

Other Settings 4

- When VoIP is moved out the WIFI network during external call, Smart Handover-Out is working. In this case, route type must be set to TIE for Smart Handover-Out operation. That configuration can be set in the **[CONFIGURATION > Trunk Routing > Route > TIE Trunk]** menu.

The screenshot shows the 'Route - Change' configuration window with the following settings:

Field	Value
Route Type	User Group
Route Name	RTE_248
Register Type	Send REGISTER
Port	5060
Domain Name	ug1.scm.com
Authentication Password	1111
Outbound CLI Prefix	
A-A Primary Node	NODE 0
Forced Send CLI Number	None
Send CLI Name for Inbound Call	None
Transfer Caller ID	Transfer Party Number
Anonymous Call Reject	None
NAT Traversal	Disable
URI Type	SIP
User Group	UG1
Location	UG1-LOC1
Proxy Server	165.213.177.248
User Name	SCME205
Authentication User Name	1111
DNS	
DTS Mode	Disable
A-A Dual Registration	Enable
Send CLI Name for User	
CLI for Forwarded Call	Originator
Anonymous URI	Anonymous Invalid
Route Lock	None
TIE Trunk	Tie
Tandem Diversion Number	

Handover Service Limitations

- Smart Handover is only served basic internal/external call case. Hold call is not served the Smart Handover.
- In Active-Active system case, WE VoIP must be enabled a dual registration option for Smart Handover operation. That configuration can be set in the **[CONFIGURATION > User > Single Phone User/Multi-Phone User]** menu.

[DIALOG] Single Phone User - Change

User Group	UG1	Service Group	UG1-SG1
Location	UG1-LOC1	Extension Number	2001
Application User ID	2001@ug1.scm.com	Extension Name	2001
Application Password	*****	PIN Number	****
Authentication User ID	2001	Phone Verification	None
Authentication Password	****	MAC Address	
IP Address		Private IP Address	
Profile Login ID	UG12001	Phone Type	Samsung-Mobile-Phone
Profile Login Passcode	****	Language	Korean
Mobile Phone Number	01095304000	Use Mobile Phone Number	None
Protocol	UDP	Media	RTP
TLS Connection	Reuse	Ping Ring Type	None
A-A Primary Node	NODE 0	A-A Dual Registration	Enable

Configuration Remote Dial(User)

- A WE VoIP client can make a call through SCM, even though the client is out of WIFI network. In this case, a WE VoIP client can request the 'Mobile Remote Dial' service **through a data channel**.
- If SCM receives the request, SCM makes a 3G call to the WE VoIP first,. And if the WE VoIP answers the call, SCM makes a call to the destination which was requested before by the WE VoIP, After the destination answers the call. **SCM lets them be connected.**
- Remote Dial can be set in the [CONFIGURATION > User > Single Phone User/Multi-Phone User] menu.

[DIALOG] Single Phone User - Change

User Group	UG1	Service Group	UG1-SG1
Location	UG1-LOC1	Extension Number	1003
Application User ID	1003@ug1.scm.com	Extension Name	Test1003
Application Password	*****	PIN Number	****
Authentication User ID	1003	Phone Verification	None
Authentication Password	****	MAC Address	
IP Address	10.65.130.222	Private IP Address	10.65.130.222
Profile Login ID	1003	Phone Type	Samsung-Mobile-Phone
Profile Login Password	****	Language	Korean
Mobile Phone Number	01090001003	Use Mobile Phone Number	Dial Only
Protocol	UDP	Media	None
TLS Connection	Normal	Ping Ring Type	Ring Only
A-A Primary Node	NODE 0	A-A Dual Registration	Dial Only
VMS Extension Number		Make Mailbox	RFC2833
URI Type	SIP	DTMF	GMT+09:00 Asia/Seoul
RFC2833 DTMF Payload	101	Time Zone	
Department		Position	
Send CLI Number	0312791003	Service Group Local CLI Number	
Service Group Local Number		Restriction Policy	
Class of Service		Gateway Name	
Extension Lock	None	LDAP DN Number	
Account Code Use	None	Auto Answer by Click to Dial	Enable
Accept Login Override	Disable	External Ringback Tone Use	None
MOH Announcement ID		Display Option	Normal
Send CLI Name		Call Monitoring	Disable
Send Extension Number		Use Virtual Ringback	Disable
Caller Ring Type	None	Off Hook Alarm	Disable
Check Registration Protocol	Disable	MOH SIP Media Mode	Send Only
Application Server Service Group		CMS Monitoring	Disable

Change Apply Close

Configuration Remote Dial(WeVoIP Client)

- Set port forwarding at Firewall Equip. (or SBC)
- **[Configuration->Wireless Enterprise->Mobile Service Options]**
 - Set Public IP address, Public Port to be used at Remote Dial.
 - Auto Answer CLI Number and Auto Answer Profile Number are configured.
(If the WE VoIP client can answer the 3G call automatically)
- A We VoIP client receive the provision data from SCM.

[DIALOG]Mobile Service Options - Change

User Group	SSID
Remote Dial Public IP Address	Remote Dial Public Port
Mobile DISA Number	Mobile DISA Code
Mobile VMS DISA Number	
WE Work Server IP Address	WE Work Server Port
WE Work Server Public IP Address	WE Work Server Public Port
WE VoIP CID Server IP Address	WE VoIP CID Server Port
WE VoIP CID Server Public IP	WE VoIP CID Server Public Port
WE Work Server Protocol	WE VoIP CID Server Protocol
WE VoIP CID Server Public Protocol	
Wait Call, Later Call	WML Read
Auto Answer CLI Number	Auto Answer Profile Number
Use 3G Call Only	3G Call Prefix

24G Channel List:

<input checked="" type="checkbox"/> CH 1	<input type="checkbox"/> CH 2	<input type="checkbox"/> CH 3	<input type="checkbox"/> CH 4
<input checked="" type="checkbox"/> CH 5	<input type="checkbox"/> CH 6	<input type="checkbox"/> CH 7	<input type="checkbox"/> CH 8
<input checked="" type="checkbox"/> CH 9	<input type="checkbox"/> CH 10	<input type="checkbox"/> CH 11	<input type="checkbox"/> CH 12
<input checked="" type="checkbox"/> CH 13			

5G Channel List:

<input checked="" type="checkbox"/> CH 36	<input checked="" type="checkbox"/> CH 40	<input checked="" type="checkbox"/> CH 44	<input checked="" type="checkbox"/> CH 48
<input checked="" type="checkbox"/> CH 149	<input checked="" type="checkbox"/> CH 153	<input checked="" type="checkbox"/> CH 157	<input checked="" type="checkbox"/> CH 161
<input type="checkbox"/> CH 165			

Change Apply Close

Chapter 6.

mVoIP



Notes on using mVoIP

[Usage minimization of battery]

- UDP is used as the SIP signal.
- UDP when using wireless from (4G) carrier's network, and after 45 seconds, in order to prevent a phenomenon that expire port maintenance time of the wireless carrier network NAT, is set to 90 seconds or less the expiration date of the registration
→ Not minimizing battery usage.

[Resolve]

- TLS is used as the SIP signal.
- FMC Registration Expires Time to 3600 seconds.

mVoIP Site Configuration

Configure the mVoIP network, there is a Case of three actual

(1) In the Private SCM, if use the SBC.

(2) In the Public SCM only.

(3) In the Private SCM, if use NAT.

(4) Change the Priority of the voice codec (G.729)

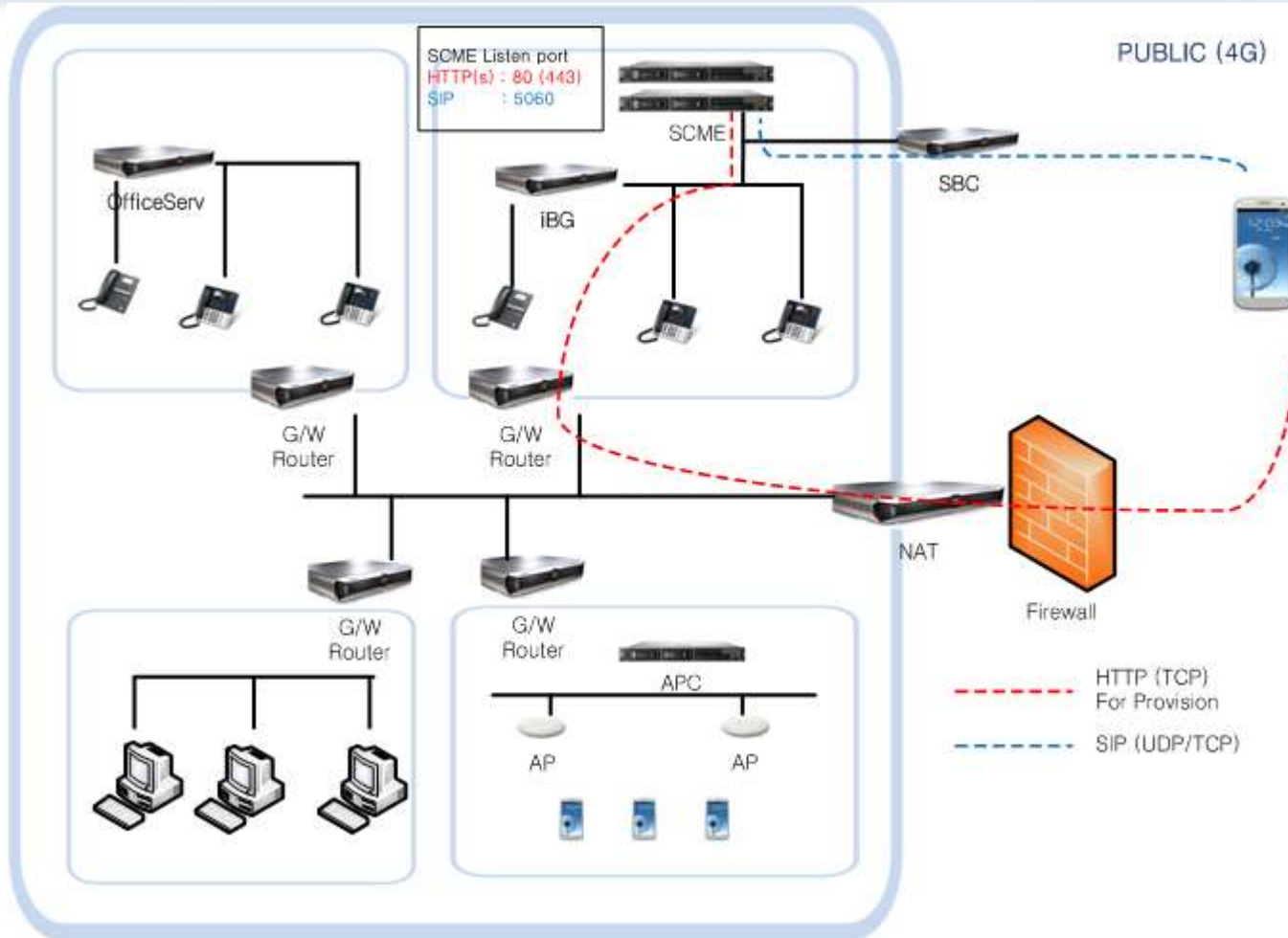
Common Configuration

[Configuration in SCM]

Configuration > User > Single Phone User		
Protocol	TLS	Protocol is applied in the same way internal WiFi, external WiFi, also mVoIP. The Single phone user, phone type is the "Samsung-Mobile-Phone", tele-workers to set the TLS
TLS connection	Reuse	
Use mVoIP	Yes	Phone type may be a "Samsung-Mobile-Phone"

Configuration > User Group > Change User Group > Timer		
Register Expire Deviation (sec)	0	Expiration of registration, common applied to the IP phone and FMC
FMC Register Expire Minimum (sec)	60	Expiration of registration, common applied to the IP phone and FMC
FMC Register Expire Maximum (sec)	300~600	Expiration of registration, common applied to the IP phone and FMC
FMC Phone Register Expire (sec)	(Default 60) 3600	- for if it is mVoIP, and set in 3600 to advance this value - The Single phone user, phone type is the "Samsung-Desktop-Phone", tele-workers to set the TLS

(1) In the Private SCM, if use SBC



- mVoIP Provisioning through NAT : HTTP(80), HTTPS(443)
- mVoIP Media and SIP signaling through SBC

(1) In the Private SCM, if use SBC

[Configuration in SCM]

Configuration > Miscellaneous> System Options		
SIP Public TCP Port	20000	It is not being used (TCP / UDP = 5060, TLS = 5061) SIP Well Known Ports. Block by the carrier's network of Well Known port when using in Korea.
SIP Public TLS Port	20200	
SIP Public UDP Port	20200	
System Public IP For Call	SBC Public IP	
System Public IP For Phone Provision	NAT(Firewall) Public IP	

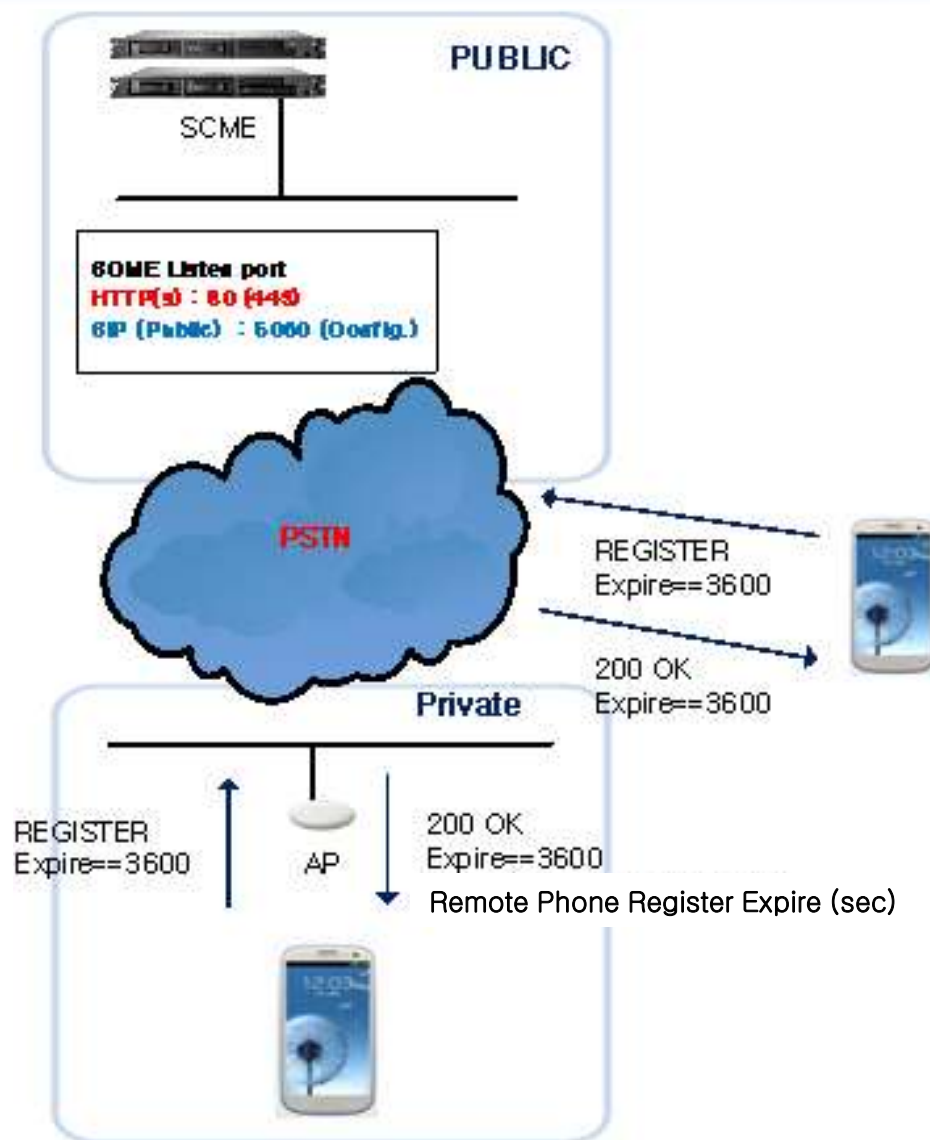
[others]

SBC		
TLS Expire Time	3600 sec	
Expire Time	3600 sec	
Listening Public SIP port	20200	Set the SIP port the same ports as the SIP Public Port that you set in the SCME

🔗 SIP Public TLS port settings to the SBC must be matched the receive port of the Public

NAT(Firewall)		
Port Forwarding	TCP 80/443	NAT for Provision

(2) In the Public SCM only

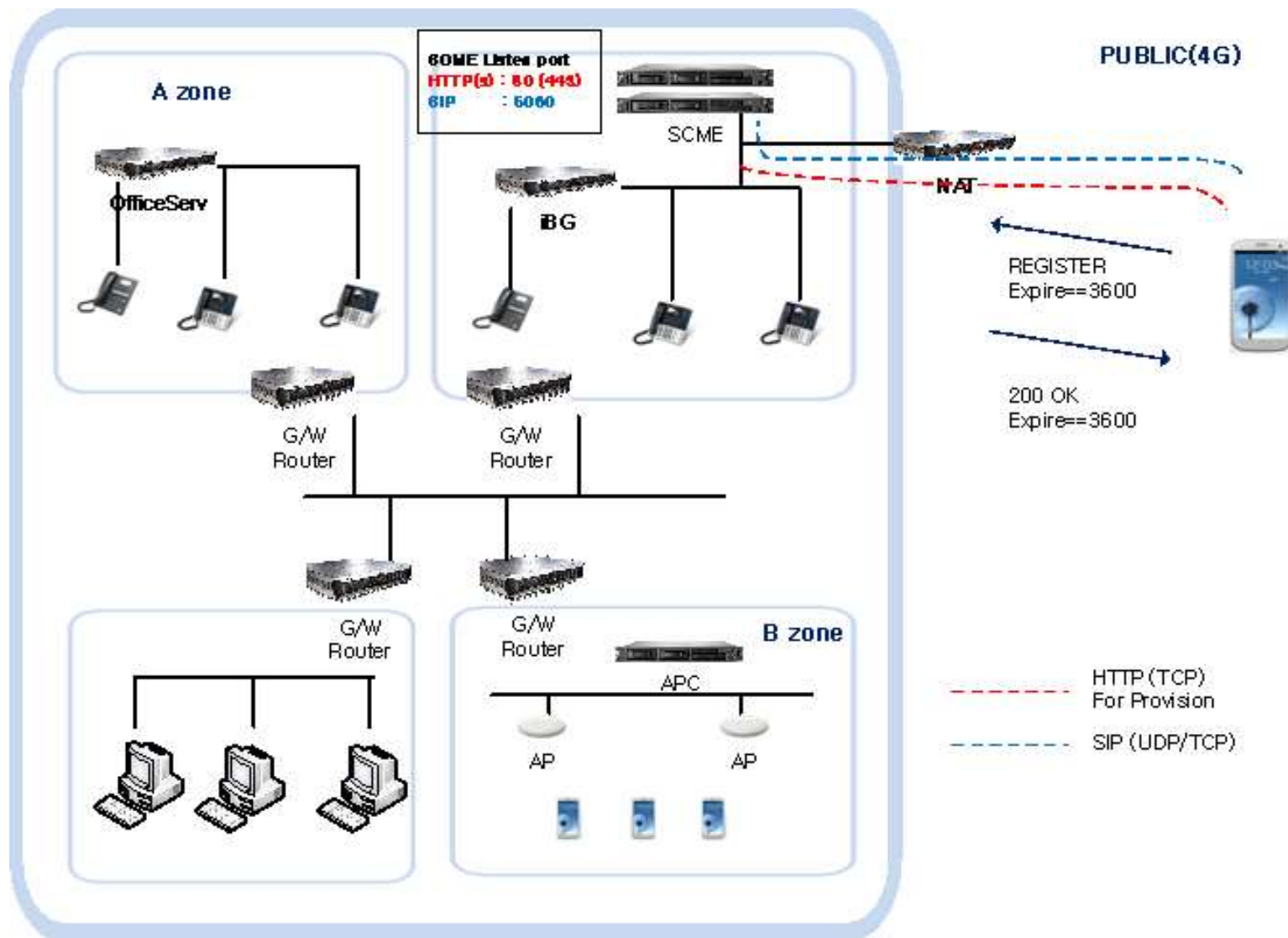


(2) In the Public SCM only

[Configuration in SCM]

Configuration > Miscellaneous> System Options		
SIP TCP Port	20000	It is not being used (TCP / UDP = 5060, TLS = 5061) SIP Well Known Ports. Block by the carrier's network of Well Known port when using in Korea.
SIP TLS Port	20200	
SIP UDP Port	20200	
SIP Public TCP Port	20000	
SIP Public TLS Port	20200	
SIP Public UDP Port	20200	
System Public IP For Call	SCM IP	
System Public IP For Phone Provision	SCM IP	

(3) In the Private SCM, if use NAT



(3) In the Private SCM, if use NAT

[Configuration in SCM]

Configuration > Miscellaneous> System Options		
SIP Public TCP Port	20000	It is not being used (TCP / UDP = 5060, TLS = 5061) SIP Well Known Ports. Block by the carrier's network of Well Known port when using in Korea.
SIP Public TLS Port	20200	
SIP Public UDP Port	20200	
System Public IP For Call	SBC Public IP	
System Public IP For Phone Provision	NAT(Firewall)의 Public IP	
System under NAT	Enable	

Configuration > Location > MPS Freezone		
Add Private IP Zone	IP, Subnet	SCM and other Private routable IP phone (FMC) network interworking additional. (Picture: A Zone , B Zone)

[others]

NAT(Firewall)		
Port Forwarding	TCP 80/443	For Provision port
Listening Public SIP port	20200	Set the SIP port the same ports as the SIP Public Port that you set in the SCME

☞ Set the value of the SIP Public TLS port of the NAT Port Forwarding SCM

(4) Change the priority of the voice codec(G.729)

[Configuration in SCM]

Configuration > Location > Location		
Intra-Location Audio codec	1016	If the user is the same location, and selects the codec is not used. It is to be a top priority the codec you want to use from the Device.

👉 Cases, such as SBC Trunk location and user location

[Concept]

- Selected as the highest priority codec function that turns.
- If mVoIP, WE VOIP (Client) using a G.729 has the highest priority of.

(Annex) Port List for services

Service	TCP Port	UDP Port	Description
General	20, 21	-	FTP Server
	22	-	Secure Shell
	23	-	Telnet
	80, 443	-	HTTP Web Server
	389	-	LDAP Server
	123	123	NTP
Provisioning	69	-	TFTP Server
	8088	-	Gateway Provisioning
	-	6000	Phone upgrade from Proprietary to SIP
NMS	-	161	SNMP Agent
Personal Management	8080, 9500	-	Personal Assistant
	4002, 4003, 4004	-	Single Sign-On, PWP for UMS/Conference
System Management	20001, 20002, 20003, 20005, 20006	-	SCM Administrator
	5432	-	PostGRE DBMS connection
Call	5060, 5061	5060	SIP signaling
UMS	5080, 8624	5080	Call signaling for UMS
	-	14002~14130	RTP Path for UMS
	25, 143, 993	-	Signaling for E-mail Server
	3681, 3683, 2001, 2001	-	Signaling for Outlook client
	2200	-	UMS File server

(Annex) Port List for services

Service	TCP Port	UDP Port	Description
Conference	3333	5090, 5098	Call signaling for Conference
	-	44000~49998	RTP path for Conference
MOH	-	35000~35999	RTP path for MOH/Announcement
MPS	-	40000~40799	RTP path for MPS(Media Proxy Service)
Others	6000~6127	-	CSTA link for each user group
	9050, 9052	-	PMS link
	9090, 9092, 9094	-	Proprietary Application server link
	9000, 9002, 5110	-	Voice Monitoring server link
	9010, 9011	-	MVS client link
	18124, 18126	-	mySingle link
	10306, 2300	-	CDR(Call Data Record)
	-	1812, 1813	Radius Server

Thank you

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