|  |  |  |  |
| --- | --- | --- | --- |
| To | **ALL** | Doc. No. |  |
| CC |  | Country  | **ALL** |
| From | kcj1102 | E-mail | kcj1102@samsung.com  |
| Subject | **SCM Express S/W V6.4.0.4 release** |

**Overview:**

**SCM Express S/W release**

|  |  |  |
| --- | --- | --- |
| **System** | **Package name** | **Description** |
| **SCM Express** | SCME\_6.4.0.4\_20180609.tar.gz |  |
|  |  |  |

**SCM Express Package Checksum**

|  |  |
| --- | --- |
| **Package name** | **Checksum** |
| SCME\_6.4.0.4\_20180609.tar.gz | f28da369c98f8f392ab3f58e822d1ffc24bc8869441e0e2ae676986fb0a0f54c |
|  |  |

**Version Matrix Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Model** | **Compatible Version** | **Remark** |
| SIP Phone | SMT-i6021 | V01.40 |  |
| SMT-i6011 | V01.40 |  |
| SMT-i5243 | V02.61 |  |
| SMT-i5230 | V02.90 |  |
| SMT-i5210S | V02.90 |  |
| SMT-i5210 | V02.84 |  |
| SMT-i5264 | V01.35 |  |
| SMT-i3105 | V02.90 |  |
| SMT-i5343 | V03.90 |  |
| SMT-i5220(S/D) | V02.90 |  |
| SMT-i2205(S/D) | V02.90 |  |
| Gateway | OS7400OS7200OS7100OS7070 | MP40 | G5.30 | OS7400 |
| MP20 | G5.30 | OS7200 |
| MP10a | G5.30 | OS7100 |
| MP07 | G5.31 | OS7070 |
| LP40 | V2.04 |  |
| LCP | V4.31 |  |
| TEPRI2/a | V4.28 |  |
| V4.29 | STA only |
| MGI16/64 | V1.30 |  |
| OSDM | V4.96 |  |
| iBG3026/2016/2006 | 2.13.3.11 |  |
| iBG1003 | 1.7.3.11 |  |
| IPX-G500 | 2.0.0.15 |  |
| Application | Messenger (Server) | 2.1.0.14 |  |
| ACD Wallboard | 1.0.0.2 |  |
| ACD Lite Agent | 1.0.0.11 |  |
| Operator (Client) | 2.0.1.1 |  |
| Communicator (Client) | 3.4.0.3 |  |
| PC Operator (PC Phone) | 2.2.0.1 |  |
| FMC Client (Galaxy-Android) | 4.6.4.5 |  |
| FMC Client (iPhone) | 2.2.00 |  |
| WifiAgent (Galaxy) | 3.5.1.5 |  |

## New Version 6.4.0.x Changes:

 **V6.4.0.x**

**< Upgrade Cautions! >**

* **After upgrading to V6.3.0.x, the SSH and SFTP connection failure error can happen in PC which is storing old SCME's SSH and SFTP connection information (cache file).**
	+ **Solution: Delete old SCME's SSH and SFTP connection information (cache file) in PC.**
* **In V6.2.0, MOH IDs 1120 ~ 1129 are deleted and no longer available. If these MOH IDs are used in the current running version, change those MOH IDs to other IDs before upgrade. (Refer to the release note “MOH ID 1120~1129 are deleted” for details.)**
* **In V6.1.0, when creating a new FMC user (i.e. its Phone Type is Samsung-Mobile-Phone), “Push Notification” is set to “Enable” as a default. The existing user’s “Push Notification” is not changed after upgrading.**
	+ **In case push is used, interworking with push server is required.**
	+ **In case push is not used, change “Push Notification” to “Disable”.**

**(From the Android V6.0, periodic registration (REGISTER message) with short period can be blocked by Smart Manager and Doze Mode. This prevent a call from reaching to that FMC.)**

* **When upgrading from version 6.1.0.x or earlier, you need to get a new MultiLing license for sites that use MultiLing.**

**<Kernel, SSL, SSH, NTP Downgrade Cautions! >**

* **When downgrading from V6.3.0.x to a lower version, execute, ssl\_ssh\_ntp\_downgrade.sh in SCME 6.2 Package.**
1. [-/-/-] OpenSSL Version Upgrade (1.0.2o)
* OpenSSL Version Upgrade for security.(1.0.2j > 1.0.2o)
1. [-/-/KOREA] upgraded kernel version to 2.6.32-696.20.1.el6.x86\_64
	* Defenses kernel vulnerability (Melt down, CVE-2017-5754), (spectre,CVE-2017-5753, CVE-2017-5715)
	* Supports new model : Dell R640
2. [-/-/KOREA] providing External Coloring function to Tandem calls
	* It provides a function to send External Coloring when it is transferred to PRI Trunk
	* [CONFIGURATION > Trunk Routing > Route > Trunk Service >TandemExtColoring : Set Enable ]
	* [CONFIGURATION > User > Single Phone User > Service > External Ringback Tone Use : Set Both or External ]
	* [CONFIGURATION > Service > Feature Service > Service Activation > Call Forward ALL : Set Activate ]
3. [TE18102W/-/KOREA] Random CLI transmitting function added
	* [CONFIGURATION> Trunk Routing> Random CLI]
	* [CONFIGURATION> Trunk Routing> Route> Trunk Service> Random CLI Name]
	* The feature that one of the numbers in the Random CLI table is sent to the CLI if the Random CLI Name of Route is set is newly added
4. [-/-/KOREA] Added a function that can be linked with external Premium server for FMC
	* [CONFIGURATION > Wireless Enterprise > Mobile Service Options] WE VoIP Premium CID Type
5. [-/-/KOREA] Supports SNMPv3 USM Feature.
* Newly supports SNMP v3 Feature USM(User based Security Model)
* CONFIGURATION -> Miscellaneous -> SNMP Config -> SNMPv3 Activation
* CONFIGURATION -> Miscellaneous -> SNMPv3 Users
1. [-/-/UK] Tollring function upgrade
* 4 items were improved or added
* (Tollring function is provided only for the first made User-Group.)
* Periodic ACD Report : Improved No increment of No Answer Count on abandon case
* Periodic ACD Report : Longest Queued time during 24hrs field Added.
* ACD Ring time field added on CDR
* ACD Group Number field added on CDR

[CONFIGURATION > Application > ACD > ACD Report]

1. [-/-/KOREA] Created a new type ‘7’ that supports 30000 subscriptions and VM/AA 5000 channels.
	* In initiating database, you can select type ‘7’ supporting 30000 subscriptions and VM/AA 5000 channels.
	* If you are using other types, you can migrate from old types to type ‘7’ by following next process. db\_backup -> init\_db 7 -> restore -> executing a migration script that is provided separately
	* [MINICLI > db > init\_db 7] 7. enterprise extended : 30000 subscriber (VM/AA)

--------------------------------------------------------------------------------------------

1. [-/-/KOREA] Multi-ring List menu added to multibatch page

You can upload or modify data using excel file

* [Tool > Customer Data Import/Export > Multi-ring List]
1. [-/-/KOREA] Improved multi-ring pilot number to be able to set call forwarding when setting Multi-ring Member Call Forwarding
* [Configuration > User Group > Change User Group > Options] Multi-ring Member Call Forwarding Option
1. [-/-/KOREA] Fixed not to be able to be set including the feature code when setting the call forwarding.
* [Configuration > Service > Feature Service > Service Activation]
* [Configuration > User > Phone Key Programming, AOM Key Programming]
1. [-/-/KOREA] Maximum count for Dispatch Call Group extended
* [Configuration > Service > Dispatch Call > Dispatch Call Group]
* Before: 100, After: 500
1. [-/-/KOREA] Added a function to be Beep Tone ON/Off when receiving a new call during a call.
	* [CONFIGURATION > User > Multi-Extension Phone > Phone > Beep Tone Use]
2. [-/-/KOREA] Fixed operating with changed community when changing SNMP community in IP -Phone
	* [CONFIGURATION > Miscellaneous > SNMP Config] Read / Write / Trap Community
	* Phone version

i2205S: T02.98\_20180417 ↑

i5220S: T02.98\_20180417 ↑

i5343: T04.09\_20180502 ↑

i6005: T01.05\_20180504 ↑

i6011: T01.71\_20180504 ↑

i6021: T01.71\_20180504 ↑

1. [-/-/KOREA] Added a function of setting the recording stop button to the BLF Key
	* Phone version

i2205S: T02.98\_20180417 ↑

i5220S: T02.98\_20180417 ↑

i5343: T04.09\_20180502 ↑

i6005: T01.05\_20180504 ↑

i6011: T01.71\_20180504 ↑

i6021: T01.71\_20180504 ↑

1. [-/-/KOREA] Added a function to play Distinctive Tone When you pick up the FXS receiver in case of setting up Busy forward and No Answer forward to FXS subscriber
2. [-/-/KOREA] Added Dispatch Call Group Statistics
	* [PERFORMANCE > Statistics > Dispatch Call Group] Dispatch Call Group-Incoming
3. [-/-/KOREA] Maximum count for Maximum System SPAM Call Count extended
* [Configuration > Miscellaneous > System Options]
* Before: 100, After: 1000
1. [TE18101O/-/KOREA] A function to store the Pilot Billed Number of CDR data when a redirecting number is received through the PRI
	* [CONFIGURATION > Trunk Routing > Route > Interworking Tab > Use Diversion Header to CDR]
	* A redirecting number is stored in the Pilot Billed Number on the CDR when it is received through the PRI's SETUP message.

--------------------------------------------------------------------------------------------

1. [TE182004/-/KOREA] Fixed Call Graph to be drawn according to Call Table at SCME\_GUI main
* Blocked old protocol from showing to draw call graph in accordance with call table
1. [TE182018/-/KOREA] Fixed not to be input ‘/’ in some fields by copy & paste to prevent errors in CDR
* [Configuration > User > Single Phone User - Basic Configuration : User Name]
* [Configuration > User > Multi-Phone User - Basic Configuration : Name]
1. [TE18203M/-/RUSSIA] Time Zone field fixed : Europe/Moscow
* [Configuration > User > Single Phone User – Phone : Time Zone]
* Fixed from GMT +04:00 to GMT +03:00
1. [TE18203H/-/KOREA] Fixed CPU Overload occurring case when calling more than 10,000 user information in Multi-ring List page
* [Configuration > Service > User Service > Multi-ring List]
1. [TE186005/-/KOREA] Blocked disabled menu from popping up when logged in as a low-authorized ID
* Fixed menus not to be popped up when logged in as an ID which is restricted in creating/modifying/deleting, especially through disabled menus clicked by right mouse button
1. [TE18302Q/-/AUSTRALIA] Fixed to clear the Active status when VM channel is idle in VM/AA > Status Screen
2. [TE18403F/-/USA] Fixed an issue that VM Prompt does not play smoothly.
3. [TE184022/-/USA] Fixed an issue that email notifications doesn’t work when voice mail arrived
4. [TE18200R/-/UK] Fixed intermittent retrieve fail of Parked call through SIP trunk.
5. [TE183003/-/AUSTRALIA] Fixed: In case that WeVoIP is included in Hunt Group and “No Answer Destination” of Hunt Group is set to Voice-Mail, Call doesn’t go to Voice-Mail of Hunt Group.
6. [TE184044/-/KOREA] Fixed SCM server switching issues
	* Fixed an issue that SCM is switched when SIPB uses over 15,000 APP resources.
7. [TE186012/-/KOREA] Fixed transmission failure issue of SMS success message between Master and Slave.
	* Fixed the problem that members of the master cannot notify SMS status after sending SMS to members of Slave.
8. [TE18302O/-/RUSSIA] Fixed the announcement to be broadcast in English instead of Russian when the country was set to Russia
	* [Wizard]
	* [Configuration > Announcement > Language]
9. [TE17C00T/-/AUSTRALIA] Fixed detail page error in Database Backup
	* [Management > Database > Database Backup]
10. [TE18400L/-/AUSTRALIA] Fixed the problem that incoming call cannot be processed when set user number range as pattern (100[1-5]).
	* [Configuration > Trunk Routing > Route] User Number Range 1~10
11. [TE18403Y/-/USA] Fixed DB input error when over Max Park Orbit BLF key value (128)
	* [Configuration > User > Phone Key Programming, AOM Key Programming]
12. [TE184011/-/SOUTH AFRICA] Fixed problem where call forwarding is not set if the another User Group has system speed dial (SSC) number.
	* [Configuration > Service > Feature Service > Service Activation]
13. [TE17B01V/-/KOREA] Fixed External coloring connected to the GUI still hanging even after the call ended
	* Fixed by checking external coloring termination after the call ended
14. [TE17B03I/-/KOREA] Erased noise and negative cracks during conference calls
	* Fixed by changing the standard of the time interval between delivery of the data to the mixer
15. [TE18102K/-/KOREA] Fixed to be recorded when user using auto recording calls to a hunt group member
16. [TE17905R/-/UK] Fixed an issue that Hot Desking auto logout feature didn’t work.
17. [TE17B02J/-/AUSTRALIA] Fixed display issue about an anonymous call
	* An issue fixed that displaying only first 5 characters of the Route name of the CLI on the phone screen when an anonymous call incoming.
18. [TE17C009/-/KOREA] Fixed an issue that the CFA feature didn’t work.
* An issue fixed that the Multi Ring feature didn’t work in non-call forwarding time zone in case of setting both CFA and Multi Ring features.
1. [TE17C01W/-/USA] Fixed a multi ring member display issue for an incoming call.
	* An issue fixed that caller number is not displayed on multi ring trunk member when an incoming call was transferred to a Multi Ring extension.
2. [TE182017/-/ USA] Fixed ACD group overflow issues.
* An issue fixed that the call was dropped when an ACD call was overflowed and forwarded again.
* An issue fixed that the call waiting feature of hunt group didn’t work when an ACD call was overflowed to hunt group (parallel).
* An issue fixed that ACD information wasn’t displayed on the hunt group members when an ACD call was overflowed to hunt group (parallel).
1. [TE182030/-/KOREA] Fixed an issue that the multi ring feature didn’t work.
	* An issue fixed that the member didn’t ring when receiving a call if the calling number and Send Extension Number of a multi ring member were the same.
2. [TE18304P/-/USA] Fixed an issue that Hot Desking subscriber being logged out abnormally when modifying user information by Admin.
3. [TE186003/-/KOREA] Fixed an issue that video call didn’t work after receiving SIP Trunk call.
4. [-/-/KOREA] Fixed an issue that cannot receive Trunk call using Sending Trunk Call Log.
5. [TE18400A/-/KOREA] Fixed an issue of SPAM Call Block Feature when sending broadcast call.
6. [TE18100I/-/TURKEY] Fixed a silence issue when FXS phone pick up the PRI incoming call.
	* Silence issue was caused by an error in the delivery of SDP information. Fixed a CODEC List copy error on Pickup.
7. [TE18403/-/KOREA] Fixed User Profile update fail when XML Server Interworks
* Fixed to update user profile even if there is no new added field
* Fixed to update only up to 99 bytes if the size of the business name field is more than 100 bytes
1. [TE18404/-/ AUSTRALIA] IP-Phone version upgrade fail

Fixed Problem that the upgrade of the terminal does not proceed due to the deletion of the symbol link setting

## New Version 6.3.0.x Changes:

 **V6.3.0.x**

**< Upgrade Cautions! >**

* **After upgrading to V6.3.0.x, the SSH and SFTP connection failure error can happen in PC which is storing old SCME's SSH and SFTP connection information (cache file).**
	+ **Solution: Delete old SCME's SSH and SFTP connection information (cache file) in PC.**
* **In V6.2.0, MOH IDs 1120 ~ 1129 are deleted and no longer available. If these MOH IDs are used in the current running version, change those MOH IDs to other IDs before upgrade. (Refer to the release note “MOH ID 1120~1129 are deleted” for details.)**
* **In V6.1.0, when creating a new FMC user (i.e. its Phone Type is Samsung-Mobile-Phone), “Push Notification” is set to “Enable” as a default. The existing user’s “Push Notification” is not changed after upgrading.**
	+ **In case push is used, interworking with push server is required.**
	+ **In case push is not used, change “Push Notification” to “Disable”.**

**(From the Android V6.0, periodic registration (REGISTER message) with short period can be blocked by Smart Manager and Doze Mode. This prevent a call from reaching to that FMC.)**

* **When upgrading from version 6.1.0.x or earlier, you need to get a new MultiLing license for sites that use MultiLing.**

**<Kernel, SSL, SSH, NTP Downgrade Cautions! >**

* **When downgrading from V6.3.0.x to a lower version, execute, ssl\_ssh\_ntp\_downgrade.sh in SCME 6.2 Package.**
1. [-/-/KOREA] CLIR(Calling line identification restriction) Override Feature

You can display the CID number of anonymous call

* [CONFIGURATION > Service > Feature Service > Feature Code ] CLIR Override - Cancel, CLIR Override – Set
* [CONFIGURATION > Service > Feature Service > Service Activation] CLIR Override
1. [-/-/KOREA] CLIR(Calling line identification restriction) Call Reject Feature

You can reject anonymous call

* [CONFIGURATION > Service > Feature Service > Feature Code] CLIR Call Reject - Cancel, CLIR Call Reject – Set
* [CONFIGURATION > Service > Feature Service > Service Activation] CLIR Call Reject
1. [-/-/KOREA] You can create a service group with the same service group code
2. [-/-/-] Add New Phone Type (SMT-i1002)
* When you set ‘SMT-i1xxx Phone Use, you can use SMT-i1xxx Phone.
* [CONFIGURATION > User Group > Change User Group > Options > SMT-i1xxx Phone Use]
* [CONFIGURATION > User > Single Phone User > SMT-i1xxx Phone]
1. [-/-/-] Add New Phone Type (SMT-i6005, 18.01 will be released)
2. [TE173032/-/SEAU] Blind Transfer for phone which is set Preset FWD
* If the called IP Phone calls an IP Phone with Preset FWD set and then terminates the call, the Blind Transfer function is activated.
* Must Upgrade phone PKG
* Supported Type : SMT-i60XX T01.53, SMT-i5343 T03.98, SMT-i5230 T02.95, SMT-i5220 T02.94, SMT-i2205 T02.94, SMT-i5210 T02.96
* If you want to use this function, you need to set up the DB below.
* [CONFIGURATION > User Group > Change User Group > Options > Fast Blind Transfer]
1. [-/-/KOREA] Upgrading searching subscriber name from DB
* Fixed way of searching names of subscribers - typing whole name isn’t needed

1. [TE17306W/-/KOREA] Added Smart Routing inter User Groups option.
* This option can be used for smart routing service inter User Groups.
* [CONFIGURATION > User Group > User Group Change > Options > Smart Routing inter User Groups]
1. [TE17901S/-/KOREA] Added extension lock feature for non-payment users.
* It’s added feature offering call lock announcement, when a non-payment subscribe use a phone
* [CONFIGURATION > User > Single Phone User > Service Tab > Extension Lock]
* [CONFIGURATION > User > Multi Phone User > Service Tab > Extension Lock]
1. [-/-/-] Park Orbit BLF Key is added.
* The Programmed Key, which show call status stored within "Orbit Number" is added.
* When user presses the "Park Orbit BLF" button in the status where LED is turned off, the "Park Orbit BLF" button parks the call in configured Orbit Number.
* When user presses the "Park Orbit BLF" button in the status where LED is blinked, the "Park Orbit BLF" button retrieve the parked call in configured Orbit Number.
* [CONFIGURATION > User > Phone Key Programming]
* Key Name: Park Orbit BLF
* Value: 2 digits number except ‘00’.
1. [TE16B05Z/-/SEUK] Improved PAI handling for an emergency call.
* In case of an emergency call, the feature to send caller's number selectively to PAI Header and From Header has been added.
* [CONFIGURATION > Trunk Routing > Route > Additional SIP Tab > Emergency Call SIP P-Asserted ID Type]
1. [TE17606A/-/SEAU]Multi REGI with multiple number ranges is added.
* [CONFIGURATION > Trunk Routing > Route > Basic Configuration > User Number Range1 ~10]
* Block: GUI
1. [TE17901R/-/KOREA] Add anonymous call URI type.
* [CONFIGURATION > Trunk Routing > Route > Number Translation > Anonymous URI : User Number URI]
* Ex: From: "Anonymous"<sip:327416167@ug1.scm.com:5060>
* Block: CSB, SIPB
1. [-/-/SSA] Change FXS Ring Detect Time
* [CONFIGURATION > Gateway > IPX Setting > Gateway Timer - FXO Ring Detect Time(ms)]
* Before: 400, After: 300
* Block: DMB
1. [TE17703E/-/ALL] Hunt Display Name Option
* SCM provides an Incoming call display option for each Hunt Group, when destination number match the ‘DID Routing’.
* SCM can select one of these options
* [CONFIGURATION > Service > Group Service > Hunt Group > Member Display Name]
1. [TE17804Z/-/ALL] 1 User can be added as a member of 50 Hunt Groups
* Maximum number of Hunt Group that user can be added is extended from 5 to 50.
1. [-/-/SEA] Fixed a security vulnerability on SCME.
* Upgraded an Apache to 2.4.27.
* Upgraded a Tomcat to 7.0.79
1. [-/-/-] Avoid a conflict Firewall setup UI in OS and a MPS module in a SCME.
* Firewall setup UI is disabled in a LINUX OS.
1. [TE17500X/-/SEUK] Fixed a HA(High Available) problem under virtual machine and network.
* When a HA configuration is set up with a virtual switch that is configured 1500 MTU, it might be occurred timeout error.
* Fixed to can change a MTU value of ethernet 2 in a ‘change\_ip’ menu of a minicli.
1. [TE17900J/-/SEAU] Improve vm prompt delay.
* Block : UMSCORE
1. [TE17505Z/-/SEAU] Fixed a problem that trunk call cannot be called when “multiple registration” is enabled.
* Block: CSB
1. [-/-/KOREA]Fixed an issue where the phone was not set up when setting “Phone Key Programming” features via SBC.
* Block: NTFB
1. [TE17504S/-/SEA] Fixed a problem that cannot be registered in VM when there are more than 16 user groups
* Block: NTFB
1. [TE17A05F/-/SEAU] Fixed sending duplicate “G.729 Annexb=no“ to SDP
* Block: SIPB
1. [TE17A01C/-/KOREA] SCM Subscribers can’t External call
* [CONFIGURATION > Trunk Routing > Load Balance Routing]
* Index error. Index was initialized and updated.
* Block: DMB
1. [TE178042/-/KOREA] Timing issue problem is fixed
* It is a problem when the semi-blind transfer and the multi-ring member answer event happened at the same time.
1. [TE17403C/-/KOREA] Fixed problem that MCUD killed
* The problem is if the call intrusion feature is used twice at the same time.
1. [TE176031/-/SEAU] MPS occupation problem is fixed
* Media path problem when remote IP Phone was connected to VM by no-answer forward.
1. [-/-/SEAU] Restoring the way to upload .wav file (3M limited -> no limit)
* Requested to restore the way to upload .wav file for large-sized file (removing file size limitation)
1. [TE17903T/-/SEA] SCM VM Alert Not Working
* Fixed problem trying to change Off Premise value, change pop-up doesn’t appear
1. [TE17601O /-/STA] Fixed to prevent ssh login as root.
* This problem is already fixed ago. But after an upgrade an ‘open-sshd’ it occurs again.
* Fixed to setup as ‘PermitRootLoin no’ in a change\_ip process.
1. [TE17605G/-/KOREA] Fixed a problem (SNMPAB Message Loop Down)
* When a someone try to get/set snmp query with wrong ‘community id’ memory leakages occurs.
* Inserted a code release a allocated memory in this case.
1. [-/-/KOREA] Fixed to delete wave file in the standby server.
* After an upload wave file for MOH, the wave file is left in temp directory of standby server. (/home/si/tmp)
* Fixed to delete it after convert wave file completed and loading a converted file.
1. [-/-/KOREA] Fixed a snmp function that query registration of application server in other node in A/A configuration
* Fixed to ignore registration count of internal application server in other node
1. [TE177030/-/SSA] VM DB is not created when user group is created.
* Fixed User group name parsing error.
* Block : UMSMB
1. [TE17703W/-/SEA] Improve VM password initialization.
* Modified vm password to be changed to default password when selecting Mailbox as No at [CONFIGURATION > User > Single Phone User]
* Block : UMSMB
1. [TE176008/-/SETK] TLS Encrypted email transmission failed.
* Fixed an issue where sending failed when using an email account using port 465/587.
* Block : MAILALARM
1. [-/-/ALL] MWI not blinking on the phone.
* Fixed an issue where the MWI is not blinking on the phone when the phone is restarted.
* Block : UMSCORE
1. [TE17103R/-/KOREA] Fixed an external ring back tone issue for hunt group in equality mode
* There is an issue that an external ring back tone is not provided for incoming call to a hunt group in equality mode. It has been fixed.
1. [TE17602N/-/KOREA] Fixed a caller id issue when transferring
* There is an issue that the phone of transferee displays the wring caller ID. It has been fixed.
1. [TE17405R/-/SEAU] Fixed a hunt group call waiting issue
* There is an issue that call waiting function does not work normally, if No Answer Time of a hunt group is set to 0. It has been fixed.
1. [TE178040/-/SEAU] Fixed a hunt group phone freezing issue.
* There is an issue that does not send an error response when a REINVITE message is received form the phone while the shuffle is not completed. It has been fixed.
1. [TE17701I/-/SSA] Fixed an outgoing call failure issue using account code.
* In the case of a call to the VM, there is a call drop issue when receiving a reINVITE message. It has been fixed.
1. [TE17A00X/-/SEA] Fixed an ACD group overflow issue.
* There is an issue that only the first member of parallel hunt group when the ACD group overflows rings. It has been fixed.
1. [TE17905E /-/KOREA] Fixed an extension call lock issue.
* There is an issue that does not works an announcement play when a call locked user makes an outgoing call. It has been fixed.
1. [TE176022/-/SSA] Fixed a CDR issue of a call using account code.
* There is an issue that does not exist account code in CDR data when a user make an outgoing call using account code. It has been fixed.
1. [-/-/-] Fixed tooltip appearing issue: when Trunk Route values saved
* When Trunk Route values are saved and PROXYB Index field is empty, tooltips appears out of nowhere. After fixing, it no longer appears even when the PROXYB index field is empty.
1. [TE17A052/-/SEA] Fixed the issue 3rd Party SIP Phone cannot be chosen
* In Single Phone User change menu, when you choose 3rd-Party-SIP-Phone sometimes License Phone Type is automatically decided as other value than the same one and inactivated. It has been fixed.
1. [TE17C002/-/SEA] Fixed the issue Feature Code values don’t appear
* In Feature Code menu for some user groups, their values don’t show up on change pop-up. It has been fixed.
1. [-/-/KOREA] Value length change. System SPAM Call Expire Timer
* [CONFIGURATION > Miscellaneous > System Options ] System SPAM Call Expire Timer
* Before : 10 ~ 600
* After : 2 ~ 600
1. [TE17B037/-/SEA] Route creation error. (DMB.exe kill)
* [CONFIGURATION > Trunk Routing > Route ] Create
* This occurs when about 64 routes using DNS are set.
1. [TE17B04J/-/KOREA] Fixed a memory leak issue of PIMB.
	* Prevent a process down by memory leak.
	* Fixed a periodic memory leak issue.
2. [TE17C01A/-/SEA] VM Ring plan schedule error.
* Fixed an error that the VM ring plan schedule would behave abnormally in the group stored as Index 0.
1. [TE17C014/-/SEUK] Voicemail not working when default ports changed
* Fixed a problem where silence occurs when connecting to VM after changing SIP Local UDP Port1 (SIPB) in CONFIGURATION > Miscellaneous > System Options.
1. [TE17403C /-/KOREA] Fixed MCUD down problem when the members were added to the conferencing at the same time.
* Block: MCUD.
1. [TE17C01R/-/KOREA] Fixed a problem that only the same file is continuously transmitted when using Secure FTP.
	* Block : CDRB
2. [TE17B03Q /-/ SEAU] Modified anonymous call display issue.
* In case of an anonymous call, there is an issue that displays truncated route name as CLI. It has been fixed.
1. [TE178043/-/SEAU] Modified a call drop issue.
* Incoming call was picked up and dropped. It has been fixed.
1. [-/-/KOREA] Modified an issue that does not work a Multi-Ring feature.
* There is an issue where a multi-ring feature does not work for unregistered multi line. It has been fixed.
1. [-/-/KOREA] Modified wrong recording information.
* There is an issue that the recording information (calling/called) of the subscriber set for automatic recording is wrong. It has been fixed.
1. [TE17C023/-/KOREA] Modified a priority issue between Group Call Forward and Multi-ring.
* There is an issue where unregistered extension does not work as set priority between Multi-ring and Group Call Forward. It has been fixed.
1. [TE17C009/-/KOREA] Modified an issue that a Multi-ring feature does not work beyond call forwarding time.
* There is an issue that a Multi-ring feature does not work beyond call. It has been fixed.
1. [TE17B03S/-/TUR] Modified an outgoing call fail issue using account code.
	* There is an issue that is not connected it when a user makes a call with hunt group DID number of another user group using account code. It has been fixed.

## New Version 6.2.0.x Changes:

 **V6.2.0.2**

**< Upgrade Cautions! >**

* **After upgrading to V6.2.0.x, the SSH and SFTP connection failure error can happen in PC which is storing old SCME's SSH and SFTP connection information (cache file).**
	+ **Solution: Delete old SCME's SSH and SFTP connection information (cache file) in PC.**
* **In V6.2.0, MOH IDs 1120 ~ 1129 are deleted and no longer available. If these MOH IDs are used in the current running version, change those MOH IDs to other IDs before upgrade. (Refer to the release note “MOH ID 1120~1129 are deleted” for details.)**
* **In V6.1.0, when creating a new FMC user (i.e. its Phone Type is Samsung-Mobile-Phone), “Push Notification” is set to “Enable” as a default. The existing user’s “Push Notification” is not changed after upgrading.**
	+ **In case push is used, interworking with push server is required.**
	+ **In case push is not used, change “Push Notification” to “Disable”.**

**(From the Android V6.0, periodic registration (REGISTER message) with short period can be blocked by Smart Manager and Doze Mode. This prevent a call from reaching to that FMC.)**

* **When upgrading from version 6.1.0.x or earlier, you need to get a new MultiLing license for sites that use MultiLing.**

**<Kernel, SSL, SSH, NTP Downgrade Cautions! >**

* **When downgrading from V6.2.0.x to a lower version, execute, ssl\_ssh\_ntp\_downgrade.sh in SCME 6.2 Package.**
1. [-/-/KOREA] Encrypt the Certificate files (private key)
* /DI/BASE/data/COM/ myPrvKey.pem
* /DI/BASE/data/COM/single/ myPrvKey.pem
* /DI/BASE/data/COM/appserver/ myprikey.pem
* /DI/BASE/data/COM/push/ apnskey.pem
1. [-/-/-] Upgrade Kernel Version (2.6.32-642.6.2.el6.x86\_64)
* Upgrade Kernel Version for security

( 2.6.32-504.el6.x86\_64 -> 2.6.32-642.6.2.el6.x86\_64 )

* Dirty Cow(CVE-2016-5195)

A race condition was found in the way the Linux kernel's memory subsystem handled the copy-on-write (COW) breakage of private read-only memory mappings. An unprivileged, local user could use this flaw to gain write access to otherwise read-only memory mappings and thus increase their privileges on the system.

1. [-/-/KOREA] Function to hide the extension number in D group
* The extension number is not displayed to an opponent if 'Undisplayed Extension Number' is set to 'Yes'. (name is displayed) The extension number is not stored in the call log.
* Menu: [ CONFIGURATION > User > User Profile -> Undisplayed Extension Number ] : No/Yes
1. [-/-/-] Add 15-Minute statistics query
* Add 15-Minute statistics query
1. [-/-/-] Add multi-Ring license
* Must Receive additional licenses for Multi-Ring
* Can activate multi-ring services by the number of licenses.
* Menu: [ Configuration > Service > Feature Service > Service Activation > Multi-ring ]
* Menu: [ Configuration > Resource > Activation Key > Multi Ring ]
1. [-/-/-] Added to Operating History
* Saved to operating history info.
* Menu: [Configuration > Resource > Activation Key]
* Menu: [Performance > Process Debug Logging > Log Backup]
1. [-/-/-] Add OPUS Codec list
* Menu: [Configuration -> Wireless Enterprise -> Mobile Configuration -> Codec Priority]
1. [-/-/-] Restrict upload of malicious code when uploading photo, notice board files.
* Menu: [Configuration > User > User Profile]
* Menu: [Configuration > Service> Notice Board]
1. [-/-/-] Conference - Event Reports menu deleted.
* Menu: [VM/AA > Event Reports]
1. [-/-/-] add ability to change RFC2833 Payload Value
* add ability to change RFC2833 Payload Value
* Menu: [Configuration > Gateway > IPX setting > Gateway Configuration > RFC2833 DTMF Payload]
1. [-/-/-] Add G500 New CPU Type
* Add G500 New CPU Type
* Menu: [Configuration > Gateway > IPX setting > Gateway Configuration > > CPU Type]
1. [-/-/-] Add function to Transmit CID Information to External Equipment
* Add function to Transmit CID Information to External Equipment
	+ Caller number
	+ Called number
	+ Call Incoming Time
* External Equipment Configuration
	+ Menu: [Configuration > Service > External Equipment Interface > EDS Option > Activation]: Enable/Disable
		- Menu: [Configuration > Service > External Equipment Interface > EDS Option > EDS IP Address]: External Equipment IP
	+ Inbound CID Send Configuration
		- Menu: [Configuration > Trunk Routing > Route > Interworking > Inbound CID Send] : Enable/Disable
1. [-/-/-] Dispatch Call Group menu deleted.
* Menu: [Performance > Statistics > Dispatch Call Group]
1. [-/-/-] Priority Routing, More than 410 MCN can not be allocated.
* Menu: [Configuration > Trunk Routing > Priority Routing
1. [-/-/-] WE VoIP Phone, Profile link file is not deleted when profile id is changed. This problem is fixed.
* Menu: [Configuration > User > Single Phone User]
1. [-/-/-] Unnecessary notify is sent when BLF button is deleted. This problem is fixed.
* Menu: [Configuration > User > Phone Key Programming]
1. [-/-/-] Dispatch Call Monitoring page filter error is fixed.
* Menu: [Configuration > Service > Dispatch Call > Dispatch Call Monitoring]
1. [-/-/-] When operator uploads wave files under A/A condition, CPU overload occurs in slave active server.
* To prevent CPU overload, insert an interval between wave file processing.
1. [-/-/-] When WE VoIP user changes the initial password at first login, new password is not applied to the standby server.
* Fix a defect in WE VoIP sync flow.
1. [-/-/-] Passwords of SSH or database are exposed in a system log.
* Replace a password with string ‘\*\*\*\*\*\*’.
1. [-/-/- ] Wave files are remained in ‘/home/si/tmp’ after an operator uploads the file.
* If a file sync is completed, a system will delete wave files in ‘/home/si/tmp’.
1. [-/-/KOREA] (R3) Change NTP version (ntp-4.2.6p5-10.el6.centos.2.x86\_64)
* To fix the problem that ntpd is in abnormal operation condition After plugging out/in ethernet cables
* 4.2.8p8 -> 4.2.6p5-10.el6.centos.2
1. [TE171035/-/KOREA] SNMPAB Kill
* Fix SNMPAB killed problem, when rpm database is corrupted.
1. [TE17102G/-/KOREA] Timeout occurred when query Media Gateway link information by snmp.

If Media Gateways are registered over 400,

SNMP GET:

SCME-MIB.enterprises.samsung.samsungTelecom.samsungTelecomProducts.office.

scmExpress.scmMIB.scmMIBObjects.scmGateway.scmGatewayTable.scmGatewayEntry.

scmGatewayLinkStatus

Improved performance by integrating various SQL Queries to one.

1. [-/-/KOREA] Fixed “Multi-Device” registers failure after “NFC Auto Login Device”.
* Block: REGB
1. [-/-/KOREA] if “4XX” occurs for the registration message, it is blocked “Unauth SIP ACL”..
* “401/407/422/423” is excluded.
* Block: REGB
1. [-/-/KOREA] Fixed MESB down problem when parsing message (SMS).
* Block: MESB
1. [-/-/KOREA] Fixed PNB down problem when there is no response from DNS server.
* Block: PNB
1. [TE17203V/-/KOREA] Statistics error is fixed
* The statistics result that search with 'Route Name' is different from the actual – Fixed.
* Menu: [ PERFORMANCE > Call Management ]
* Menu: [ PERFORMANCE > Call Count ]
1. [TE17204D/-/KOREA] Location Based Routing display error is fixed.
* Menu: [Configuration > Trunk Routing> Location Based Routing]

1. [-/-/KOREA] Number Translation display count error is fixed.
* Menu: [Configuration > Trunk Routing > Route: Number Translation]

1. [-/-/KOREA] Search menu, Insert Digit is added.
* Menu: [Configuration > User Group > Change User Group > Number Translation]

1. [-/-/KOREA] Improved to keep search condition when searching by name.
* Menu: [Configuration > Service > Group Service> Hunt Group, Pickup Group]
1. [-/-/KOREA] Conference - Event Reports menu deleted.
* Menu: [VM/AA > Event Reports]
1. [TE174003/-/KOREA] Access Code generation error is fixed.
* Menu: [Conference > Trunk routing > Access Code]

1. [-/-/KOREA] Phone profile check when tone setting changed.
* Menu: [Conference > Phone Setting > Tone Setting]
* Provision information is being transmitted, duplicate messages are not received.
1. [TE17103R/-/KOREA] ACD Group Call Pick Up
* Users can pick up ACD Group Call, if ‘ACD Group Call Pickup’ option is enable
* Menu: [CONFIGURATION > User Group > User Group Change > Options > ACD Group Call Pickup] Enable
1. [TE17103S/-/KOREA] Hunt Group Statistics Problem is fixed when a hunt group call is picked up
2. [TE17202K/-/KOREA] When a FMC is busy, announcement about a forwarding call to the line is changed
3. [TE17103Z/-/KOREA] CSTA event problem is fixed
* A problem that SCM doesn’t send Agent State Event is fixed.
1. [TE171041/-/KOREA] CSTA event problem is fixed
* A problem that SCM doesn’t send Agent State Event is fixed.
1. [TE17200R/-/KOREA] CSTA event problem is fixed
* A problem that SCM doesn’t send Delivery Event is fixed.
1. [TE17200V/-/KOREA] CSTA event problem is fixed
* A problem that SCM doesn’t send Delivery Event is fixed.
1. [TE174023/-/KOREA] Outgoing Call CLI problem is fixed
* Menu: [Configuration > Trunk Routing > Route > Number Translation Tab > Transfer Call ID]
* When the option is Hold Party Number, SCM sends a wrong CLI number. This problem is fixed.
1. [TE17103I/-/KOREA] CSTA event problem is fixed
* A problem that SCM doesn’t send Clear event in case of Hunt Group Parallel Mode is fixed.
1. [TE17306W/-/KOREA] Smart Routing Problem inter User Groups is fixed
* Smart Routing feature is offered inter User Groups. This problem is fixed
1. [TE173052/-/KOREA] CSTA event problem is fixed
* A problem that SCM intermittently doesn’t send Delivery event in case of Hunt Group Parallel Mode is fixed.
1. [TE16C05Q/-/KOREA] CSTA event problem is fixed
* If SCM receive a CSTA Conference command when it’s not ready, the system is modified to send Fail response
1. [-/-/KOREA] Meet me conference ID input error is fixed
* The input range of conference ID is XXX(100 ~ 999). An error is processed if XXXX is inputted.
1. [-/-/AUS] Fixed a problem that trunk call cannot be called when “multiple registration” is enabled.
* Block: CSB
1. [-/-/AUS]Support G.729 Annexb=no option for VM/AA, MOH for ACD and Conference.
* Block: MCCD, MCUD, UMSSIPB, SIPB
1. [TE16B00E//USA] Conference & CLI Issue
* When user send e-mail for creating meet me conference, in some case (some site) e-mail could not be sent. It was fixed.
* Properties: (“mail.smtp.ssl.trust”, “\*”)
1. [TE172020/-/USA] Anonymous incoming call problem is fixed
* When Anonymous incoming is transferred from the AA to the Operator Group, a problem that is included Privacy Header in reINVITE is fixed
1. [TE174028/-/SEUK] VA/AA Button name changed.
* Menu: [VM/AA > Open Block Table > Extension, Mail Box]
* Before: On/Off
* After : Turn On/Turn Off
1. [TE174020/-/SEUK] CSTA event is fixed
* If Hunt Group number (parallel mode) is longer than 6 digits, SCM doesn’t send CSTA delivery event. This problem is fixed
1. [TE17202D/-/SEA] Wait tone range/display changed.
* Menu: [Configuration > Phone Setting> Tone Setting]
1. [TE17403O/-/SEA] (Operator Call, Outbound Call) Default value changed.
* Menu: [Conference > User Group> Create User Group]
* Country: South Africa, Australia, EU, Italy

Operator Call : 9

Outbound Call : 0

* Other Country.

Operator Call : 0

Outbound Call : 9

## New Version 6.1.0.x Changes:

 **V6.1.0.7**

**< Upgrade Cautions! >**

* **After upgrading to V6.1.0.x, the SSH and SFTP connection failure error can happen in PC which is storing old SCME's SSH and SFTP connection information (cache file).**
	+ **Solution: Delete old SCME's SSH and SFTP connection information (cache file) in PC.**
* **In V6.1.0, MOH IDs 1120 ~ 1129 are deleted and no longer available. If these MOH IDs are used in the current running version, change those MOH IDs to other IDs before upgrade. (Refer to the release note “MOH ID 1120~1129 are deleted” for details.)**
* **In V6.1.0, when creating a new FMC user (i.e. its Phone Type is Samsung-Mobile-Phone), “Push Notification” is set to “Enable” as a default. The existing user’s “Push Notification” is not changed after upgrading.**
	+ **In case push is used, interworking with push server is required.**
	+ **In case push is not used, change “Push Notification” to “Disable”.**

**(From the Android V6.0, periodic registration (REGISTER message) with short period can be blocked by Smart Manager and Doze Mode. This prevent a call from reaching to that FMC.)**

**<SSL, SSH, NTP Downgrade Cautions! >**

* **When downgrading from V6.0.0.x to a lower version, execute, ssl\_ssh\_ntp\_downgrade.sh in SCME 6.1 Package.**
1. [-/-/KOREA] Billing Server TCP link status menu is added
* Menu : [MANAGEMENT > CDR Storage Options > Server Connection Status(TCP)]
1. [-/-/KOREA] Billing Number of Each Telecommunication Provider
* Select CDR Number of each user or routing
* Menu : [Configuration > User > Single Phone User > Interworking > User Account Number]
* Menu : [Configuration > Routing > Route > Interworking > User CDR Number]
* Menu : [Configuration > Routing > Route > Interworking > CDR Representation Number]
* Menu : [Configuration > Routing > CDR Number Translation ]
1. [TE168070/-/KOREA]Name Display of Other Service Group
* Select whether to display user name of other service group.
* Menu : [Configuration > User Group > Service Group > Name Display of Other Service Group]
1. [-/-/KOREA] “Check Digit” search option was added in [Configuration > User Group > Change User Group > Number Translation, Click to Dial Callee Number Translation] menus of SCM Administrator.
2. [TE16602G /-/KOREA] Changing the Line Key at the phone is prohibited because of the mis-operation by a user.
3. [-/-/KOREA] FMC login flow is changed.
* User must input the profile login ID/Password when below option is ‘DISABLE’ (default value : ENABLE)
* menu : ‘Use fixed FMC login ID/PW’ option in [CONFIGURATION > Miscellaneous > System Options] menu.
1. [-/-/KOREA] Unauthorized SIP ACL White List feature is added.
* SCM provides White List to except Unauthorized SIP ACL feature.
* Admin Menu: [MANAGEMENT > Access Control List(ACL) > SIP ACL White List]
1. [-//KOREA] Mobile SIP ACL Policy feature is added.
* The Mobile Phone User is included in "Unauthorized SIP blocking feature" or not.
* Admin Menu: [MANAGEMENT > Access Control List(ACL) > ACL Options] – “Mobile SIP ACL Policy”
1. [-/-/KOREA] Dispatch Call Override
* A normal busy call of dispatch members is being overridden when receiving a Dispatch Group Call if you use this feature
* [Configuration > Service > Dispatch Call > Dispatch Call Grp > Normal Call Override] Enable
* [Configuration > Service > Feature Service > Class of Service > DND of Dispatch Call Override] Disable
1. [-/-/KOREA] Transfer Call Waiting
* PC Attendant User can transfer hold call to busy line.
* When a busy line have changed idle state, the line will be received the waiting hold call.
* [Configuration > Service > Feature Service > Feature Code > Transfer Call Waiting]
1. [-/-/KOREA] Analog Trunk Port Check Function
* Check the abnormal analog trunk channel by using feature code of ‘Analog Trunk Port Check’ and recover the analog trunk channel through ‘Forced Release‘ soft key
* Menu : [Configuration > Service > Feature Service > Feature Code > DTS Check & Clear]
* Menu : [Configuration > User > Phone Key Programming]
1. [-/-/KOREA] User state check function
* The attendant console requests the user state and a system answers. The attendant console indicates the user state.
1. [-/-/KOREA] Multiline Phone Bridge feature is added.
* Any call to any number of 'Bridge Target Phone' can be bridged.
* A call answered by other phone can be bridged if the called number of the call is a multi-device number which is assigned to the 'Bridge Target Phone'
1. [-/-/KOREA] Busy Override (though Second COS) feature
* When the line called is busy, and if you dial ‘Busy Override (Second COS) Feature Code’ + ‘the called Number’, SCM releases the busy call on the line and then makes a call. The override level of second COS will be used when checking the level for disconnecting.
* SCM Administrator Menu : [Configuration > Service > Feature Service > Class of Service >Second Class of Service]
* [Configuration > Service > Feature Service > Feature Code > Busy Override (Second COS)]
* [Configuration > Service > Feature Service > Class of Service > Override/Privacy Level]
* [Configuration > Trunk Routing > Route > Trunk Service Tab > Maximum Call]
1. [-/-/-] A new feature Short Message between SCM’s was added.

 - If SCMs are connected by peering configuration, SMS can be sent using access code.

1. [-/-/REPUBLIC OF SOUTH AFRICA] Display option was added to Directory Service
* When the user uses the directory service, the result can be limited to its own user group.
1. [-/-/KOREA] configuration menu for SNMP trap server port is added
* Menu : ‘Trap Server Port’ option in [CONFIGURATION > Miscellaneous >SNMP Config] menu
1. [-/-/KOREA] configuration menu for G500 gateway is added
* Menu : [CONFIGURATION > Gateway > IPX Setting] menu
* Gateway Internal Service Control
* Gateway Factory Reset
* Gateway Log Backup
* Gateway Reference Clock
* Gateway PRI Trunk > Signal Trace
* Gateway BRI Trunk/Station > Call Waiting
* Gateway Configuration > Allow to receive reINVITE with T.38
1. [-/-/KOREA] The use of PROXYB improvement.

- User’s PROXYB Index can be configured.

Menu: [CONFIGURATION > User > Single Phone User] – ‘PROXYB Index’

Menu: [CONFIGURATION > User > Multi Extension-Phone] – ‘PROXYB Index’

- The Samsung Gateway (Receive Register Type) can use Internal Proxy.

Menu: [CONFIGURATION > Trunk Routing > Route] – ‘Use Interproxy’, ‘PROXYB Index’

- Operator can be check subscriber use Internal Proxy by Registration Status menu.

Menu: [PERFORMANCE > Registration Status > Registration Status] – ‘External Proxy Port’

* If User or Gateway send register message using unconfirmed PROXYB, SCM sends error response message.
1. [-/-/AUSTRALIA] If country type is Oceania, default value of 'FXO First DTMF Delay' is changed to 600 ms.
* Admin Menu: [CONFIGURATION > Gateway > IPX Setting > Gateway Timer]
1. [-/-/-] The Push Certificate of APNs has been renewed. (Valid Date: 16/10/20 ~ 17/10/20)
2. [-/-/-] OpenSSL Version Upgrade (1.0.2j)
* OpenSSL Version Upgrade for security.(1.0.1s > 1.0.2j)
1. [-/-/-] OpenSSH Version Upgrade (7.3p1)
* OpenSSH Version Upgrade.(7.2p1 > 7.3p1)
1. [-/-/-] NTP Version Upgrade (4.2.8p8)
* NTP Version Upgrade.( 4.2.8p6 > 4.2.8p8)
1. [-/-/-] Apache httpd Version Upgrade (2.4.23)
* Apache httpd Version Upgrade for Security. (2.4.18 > 2.4.23)
1. [TE16A054/-/ AUSTRALIA] MOH ID 1120~1129 are deleted.
* The MOH IDs are reserved for Gateway MOH. If MOH ID 1120~1129 are used, you have to change to other MOH ID.

 ※ How to change MOH ID 1120~1129 already used to another.

 1. Change MOH ID to another unused MOH ID.

 >> Check MOH ID in the [CONFIGURATION > User Group > User Group Change > Information]

 >> Check MOH ID in the [CONFIGURATION > Trunk Routing > DID Routing]

 >> Check MOH ID in the [CONFIGURATION > User > Single User/Multi-Phone User > Service]

 2. Rename the names of MOH ID 1120~1129 files at the SCM terminal.

 ex ) MOH ID: 1120 -> 1130 / Language: eng.

 [root@os6-scm-10 scm]# cd /DI/MP/data/prompt/eng

 [root@os6-scm-10 eng]# mv eng-1120.g729 mv eng-1130.g729

 [root@os6-scm-10 eng]# mv eng-1120.pcm mv eng-1130.pcm

 [root@os6-scm-10 eng]# cd /DI/MP/data/prompt/wavEng

 [root@os6-scm-10 wavEng]# mv ann-1120.wav mv ann-1130.wav

3. Reload the announcement by click "change" in the [CONFIGURATION > Announcement > Language] without changing language type.

 4. Check loaded files by playing in the [CONFIGURATION > Anouncement > MOH]

1. [TE16A06L/-/USA] The explanation about call forward limitation of hunt group is added.
* Call forward of hunt group by 'All Busy/Unavailable or No Answer' is limited by the 'Maximum Call Forward Count' in the [CONFIGURATION > User Group > User Group Change > Options].
1. [TE16902W/-/USA] Security issue with http access
* When user input http://{system ip}/{directory name} in browser, the file list will not be displayed.
1. [-/-/-]Forced logout function in SCM Administrator was changed.
* old version : User of Engineer level could make forced log-out for user of lower level (like as Technician, Customer and so on, except Engineer).
* 6.1.0.x ~ : User of Engineer level can make forced log-out for user of all level (include Engineer).
* Menu : Management > Access Permission > Login Status => [Logout] button
1. [-/-/-]Some option names in Application Server of SCM Administrator was changed.
* Internal UMS -> Embedded VM/AA
* 3rd Party UMS -> 3rd Party VM/AA
* Internal Conference -> Embedded Conference
* Menu : Configuration > Application > VM/CR Server, Conference Server
1. [-/-/-] The java code signing certificate was updated. (expired : ~2019.09.29)
2. [-/-/-] Menu tree operation of SCM Administrator was changed.
* If user click menu tree one time not double click, the menu will be opened.
1. [-/-/KOREA] REGISTER Overload deference Feature is added.
2. [-/-/-] [Push Notification] default value changed to Enable
* Menu: [CONFIGURATION>User>Single Phone User> Phone Tap [Push Notification]

[CONFIGURATION>User>Multi-Extension Phone>Phone Tap [Push Notification]

1. [-/-/KOREA] How to terminate CSTA link by CSTA license is changed. Instead of newly connected CSTA link, oldest CSTA link which has same IP address and application type is cleared.

1. [TE16A036/-/KOREA] ‘User Account Number’ can’t be configured when Single Phone User is created. This issue was modified in this package.
* Admin Menu: [CONFIGURATION > User > Single Phone User]
1. [-/-/KOREA] All Phone and Gateway cannot be registered to SCM when the Postgres is restart. This issue was modified in this package.
2. [-/-/KOREA] Pickup Call Loop Problem was solved during A-A Sync.
* When SCM is A-A Sync status, pickup call loop problem was solved.
* This problem is only occurs not exist pickup destination call.
1. [TE16805P/-/KOREA] The problem, Wake-Up Service doesn’t work when subscriber activates both DND and Wake-Up service , is resolved.
2. [-/-/NEW ZEALAND] Emergency Group Call Display Error is fixed.
* When Emergency Group Call, SCM displays Emergency Group Number
1. [-/-/UK] 2nd call can’t use Hunt Queuing service is fixed.
* This problem occur only Hunt Parallel Type, and Hunt Member activates call waiting service.
1. [TE16807O/-/UK] The problem, AA Transfer to Hunt Group Call recall to AA after 10 min, is solved.
* [Configuration]

a. Transfer Recall Timer and Hunt Group No Answer Time is over 600 sec.

b. SIP Timer Provisional(msec) is over 6000000.

1. [TE16706A,TE16700P/-/KOREA] Transfer Party set auto recording via phone, Transfer Target set auto recording via conference server. If transfer party try to transfer on ringing state, the transfer feature failed – Fixed
2. [TE166056,TE16803G/-/KOREA] Some problems were fixed in SCM Administrator.
* It was fixed that the order of group member was changed when user updated [Customer Data Import/Export > Hunt Group].
* It was fixed that “Deactivate” operation was failed in [Call > Supplementary Service] of Personal Assistant.
1. [TE167033/-/KOREA] It was fixed that the count of “3rd Party SIP Phone” and “Samsung PC Attendants” were out of order in [Performance > Statistics > Phone Usage by Type] menus of SCM Administrator.
2. [TE168073/-/KOREA] If the socket was disconnected in [Conference > Conference Management > Current Conference Status], SCM Administrator will display “Connection was destroyed. Please close and reopen this menu.”.
3. [TE169044//USA] SCME Hosted/Cloud - VMAA access for other user groups
* When user restricted with user group opened VMAA menu pages, some pages did not display data. It was fixed.
1. [TE16A07D/-/USA] Password was displayed with plain text in Application Server menus. It was fixed
* Menu : Configuration > Application > VM/CR Server, Conference Server, Other Application Server
1. [-/-/KOREA] Call Back Service problem was solved when subscriber uses PROXYB.
2. [-/-/KOREA] Activation key deleted problem was fixed when system Switch Over.(Active/Standby)
3. [-/-/KOREA] problem that system disconnect a gateway with the TCP port same with other gateway’s is fixed.
4. [TE16B00Y/-/KOREA] GWMB down problem is fixed (when G500 gateway profile is generated)
5. TE16B07W /-/ AUSTRALIA] Mulitcast Paging Stopped working (Grand Prix Mazda- BTC) – Fixed
6. [TE16B04X/-/KOREA] CTI Application received “Conference Failed”
* When conference member list was managed, there was some problem – Fixed
1. [TE16B05D,TE16B05P/-/KOREA] CSTA Event mismatch problem is fixed.
* The case is that Service Initiated Event is not cleared during Call Pickup.
* The case is that the CSTACallId of calling party and called party is different.
* The case is that after call pickup of Single Step Transferred call , the CSTA state of transferred party is not Connected but Ring back.
1. [TE16A057/-/AUSTRALIA] DID MOH for Hunt Groups Call from Trunk not operate - Fixed
2. [TE16A04X/-/USA] SCM Express: Status Screen
* Information of south panel in [VM/AA > Status Screen] was displayed with ‘0’. It was fixed.
1. [-/-/-] ssh limitation
* System restrict ssh from login as root.
1. [TE16C02K/-/USA] Fixed the problem that Route is not created when Route is created by activating the Multiple Registration option.

Menu: [CONFIGURATION > Trunk Routing > Route]

1. [-/-/SEUK] Default value change for Security issue (VM)
* The minimum length of mailbox password.is 4.
* Message Notification and Delivery of “Pot to use” is set “NONE”
* OutCall of Mclass , Eclass set to “N”
1. [TE16B044/SCME/AUSTRALIA] The problem that SCME public port setting is not working properly for remote IP is resolved.

62. [-/SCME/-] The problem that “Unauthorized SIP ACL Status” is not working properly by using PROXYB is resolved.

1. [TE16B06P/-/KOREA] Abnormal ACD Agent state and clear event fixed.
* ACD Agent State after consultation command.
* Remaining busy state after one step transfer.
* Same clear event repeated in case of trunk ACD call.
1. [TE16905P/-/USA] The problem that “Unable to login PWP under NAT” is fixed.

## New Version 6.0.0.x Changes:

 **V6.0.0.x**

|  |
| --- |
| **[Cautions]**From V6.0.0.5, the changes listed below are applied.* OS (Operating System) is changed to CentOS 6.6.
* V6.0.0.5 can be installed only at S500-II and S700 models. This version MUST NOT be installed in S500 (4G memory) because of the insufficient memory size.
* When the SCM is upgraded from V5.4.4.7 or V6.0.0.5 is installed using the install.sh shell command, minicli password will be changed to the password used to login to the minicli for the first time. This process is performed only once in the first login to the minicli.
 |

**< Upgrade Cautions! >**

* **After upgrading to V6.0.0.x, the SSH and SFTP connection failure error can happen in PC which is storing old SCME's SSH and SFTP connection information (cache file).**
	+ **Solution: Delete old SCME's SSH and SFTP connection information (cache file) in PC.**

**<SSL, SSH, NTP Downgrade Cautions! >**

* **When downgrading from V6.0.0.x to a lower version, execute, ssl\_ssh\_ntp\_downgrade.sh in SCME 6.0 Package.**
1. [-/-/Korea] “Auth Password One-way Encryption” option was added.

- If it is “Yes”, SIP Auth Password will be encrypted with one-way text.

- If it is changed from No to Yes, the SIP Auth Password will be translated automatically.

- If it is changed from Yes to No, user should input the SIP Auth Password again.

- 3rd Party Phone can not be set to Yes.

- SCM Administrator Menu : [Configuration > User > Single Phone User, Multi-Phone User]

1. [-/-/Korea] Busy Override feature
* When the line called is busy, and if you dial ‘Busy Override Feature Code’ + ‘the called Number’, SCM releases the busy call on the line and then makes a call.
* SCM Administrator Menu : [Configuration > Service > Feature Service > Class of Service > Busy Override]
* [Configuration > Service > Feature Service > Feature Code > Busy Override]
* [Configuration > Service > Feature Service > Class of Service > Override/Privacy Level]
* [Configuration > Trunk Routing > Route > Trunk Service Tab > Maximum Call]
1. [-/-/Korea] 2nd Call Recording Server for Phone Recording
* If recording server is on unregistration or all busy, the recording service should be done though 2nd call recording server.
* SCM Administrator Menu : [Configuration > Application > Application Server Group]
1. [-/-/Korea] Increase ‘DID Routing’ and ‘Number Translation’ table size for SCM Enterprise.
* Menu : [Trunk Routing > DID Routing], [Change User Group > Number Translation]
* The “DID Routing” table size has increased from 20,000 to 30,000.
* The “Number Translation” table size has increased from 3,000 to 60,000.
* This extension provides only for SCM Enterprise(30k).
1. [-/-/Korea] Number Re-Translation Feature added.
* If Retranslation Option is enabled, Number Translation Feature works twice.
* Menu : Configuration > User Group > Change User Group > Number Translation
1. [-/-/Korea] Multiple SBCs for user registration are supported.
* Create ‘User SBC’ in the [CONFIGURATION > User > User SBC].
* Assigned ‘User SBC’ can be changed in the [CONFIGURATION > User > Single User/Multi-Extension Phone].
* User SBCs can be created up to 35 for each Node and maximum 2500 users can be assigned to one User SBC.
* Several User SBCs with same IP and port are supported.
1. [-/-/Korea] External Premium CID with XML server is supported for Station Number.
2. [-/-/Russia] If SCM subnet mask is changed, arp table buffer will be changed.
* subnet mask A, B class : arp table buffer -> 32768,
* subnet mask C, D class : arp table buffer -> 1024(default)
1. [-/-/Australia] PRACK Changes
* The default PRACK Support value is changed. (Disable -> Enable)
* The ‘Reliable 18x Response’ name is changed to ‘PRACK Require’.
* SCM Administrator Menu : [Configuration > Trunk Route > Route > Additional SIP> PRACK Support/Require]
* [Configuration > Miscellaneous > System Options > PRACK Support/Require]
1. [-/-/Korea] Default ACL rules which is for TCP connection between internal processes are added in Miscellaneous ACL menu when installed first time.

- Menu: [MANAGEMENT > Access Control List(ACL) > Miscellaneous ACL]

- Index 1 is for Master Node, Index 2 is for Slave Node.

1. [-/-/Korea] SNMP configuration provisioning data is added for IPX-G500 gateway (refer to the gateway release note for version information)

- configuration data in [CONFIGURATION > Miscellaneous > SNMP Config] Menu is added

- ‘SNMP Site Code’ configuration data in [CONFIGURATION > Miscellaneous >System Options] Menu is added.

1. [-/-/-] In Basic Mode of VMAA, user can initialize password in Extension and Mailbox.
* Menu : VM/AA > Open Block Table > Extension, Mailbox
1. [-/-/-] Warning dialog in Miscellaneous ACL.
* Inbound and if the drop for all Destination Port (dest\_port=0), an alert will pop up incoming all ports are blocked for incoming packets originating from that Source IP range.
* Outbound and if the drop for all Source Port (src\_port=0), an alert will pop up outgoing all ports are blocked for outgoing packets to that Destination IP range.
* Menu : Management > Access Control List(ACL) > Miscellaneous ACL
1. [-/-/-] Warning dialog in Administrator Control.
* If the drop for all IP Address (IP = 0.0.0.0 or Subnet=0), an alert will pop up informing that SCM Administrator access can be blocked for all IP.
* Menu : Management > Access Permission > Administrator Control
1. [-/-/Korea] Abnormal long duration call problem is fixed.
* Simultaneous Call Hold when Multi-ring call is answered.
* The call is pickup up as soon as Multi-ring call is answered.
* Call Forwarding to VMS
1. [-/-/Korea] Fixed – If the length of the Multi-Phone User number is equal or greater than 10, Multi-Extension Phone menu is not opened.
2. [-/-/Korea] Fixed – When a call is incoming to a parallel type Hunt group while the first member is busy, if the member hang up the call and pick-up the incoming call, the pick-up process fails.
3. [-/-/Korea] Fixed – When an Application Server transfers a call and the Call Log for Transferred Party (in User Group) is Held Party, the call log is saved as Transfer Party.
4. [-/-/GTL] Pickup Fail
* If incoming call skips rtpmap (a-line), the pickup service for the call failed – Fixed

## New Version 5.4.4.x Changes:

 **V5.4.4.7**

|  |
| --- |
| **[Cautions]**From V5.4.4.7, the changes listed below are applied.* OS (Operating System) is changed to CentOS 6.6.
* V5.4.4.7 can be installed only at S500-II model. This version MUST NOT be installed in S500 (4G memory) because of the insufficient memory size.
* On installing V5.4.4.7 in S500-II, the package MUST BE SCM Enterprise Standard or SCM Enterprise Extended. (V5.4.4.7 for SCM Express is not supported)
 |

1. [-/-/KOREA] Whenever SCM received CSTA Single Step Transfer command with correlator data, SCM sends delivered/established event with correlator data
2. [-/-/KOREA] Service Group MCN is added. Called Number can be modified per Service Group.

Block : CSB

1. [-/-/RUSSIA] If “Meet Me Conference Channels” Value of Activation License Key is Max 128, Meet Me Conference call failed. – Fixed

Block : CSB

1. [-/-/KOREA] added functinon and options for FMC phone.
* Network check function between SCM and FMC phone is added
* Audio volume configuration menu is added for each model of FMC phone.
* RTP reduction Option is added for FMC Phone.
* Handover parameter Option is added.
* RTP packet time Option is added

Block : PDMB

1. [-/-/KOREA] Phone Recording control is supported by CSTA I/F

Block: CSB, SASEB, CSTAMB, CSTALB

1. [-/-/-] FXS registration failure is fixed when GW is situated under NAT.

Block: REGB

1. [-/-/AUS] The way to authenticate a route is added. SCME checks IP address and host of From URI as well as host of To URI.

Block: CSB

1. [-/-/AUS] ‘CLI for Forwarded Call’ in the Route was not working when ‘Outbound Diversion Number’ set to ‘Clear Diversion Number.’ This problem is fixed.

Block: CSB, SIPB

1. [-/-/-] For a internal call, no answer time is not matched to ‘Internal No Answer Clear’ time if Preset Call Forward No Answer set for an external call. This problem is fixed.

Block: SASEB

1. [-/-/-] [CVE-2015-7547] glibc lib update for security problem.
2. [-/-/-] add TLS link(port 8089) for G500 gateway provisioning..

Block: GWMB

1. [-/-/KOREA] fixed not working redial service when dial emergency group without emergency access code.

Block: CSB

1. [-/-/-]The problem that Emergency Group’s supervisor receives the wrong ring type was solved.

Block: SASEB

1. [-/-/-]The announcement can't hear problem was resolved when attempting pickup service call, which is during a call move.

Block: SASEB

1. [-/-/-]The Route option”Use Virtual Ringback” incorrect works was resolved when callee uses external coloring service.

Block: CSB

1. [-/-/-]Repeatedly attempting a call was solved when trunk return error response for smart routing failed call.

Block: CSB

## New Version 5.4.2.x Changes:

 **V5.4.2.6**

1. [-/-/KOREA]Multicast Paging. Phone Version needs to be checked to support this feature.
2. [-/-/KOREA] WE VoIP Conference Recording. It needs to check WE VoIP Version.
3. [-/-/KOREA]Tandem Call CDR Feature is added.

This feature provides representation number to charging for tandem call.

“Tandem Representation Number” in [CONFIGURATION > Trunk Routing > Route] – {Number Translation} menu.

1. [-/-/KOREA] Trunk Diversion Number Feature has been improved.

The feature was improved so that providing a service simultaneously to subscriber and the trunk.

1. [-/-/KOREA] add the options for Handover Service by Mobile.
* Mode of Handover service by Mobile phone is added
* RTP Quality Option for handover is added
* Edge AP List Option is added
* Private Registrar IP/Port Option for Mobile Phone in private Wi-Fi zone is added
1. [-/-/KOREA] URL for mobile phone package server is added
2. [-/-/KOREA] Added feature that displays access network of the mobile phone in conversion

SCM provides Mobile Phone Access Network for WE VoIP User.

1. [-/-/KOREA] Added the function that provide access network of the mobile phone while using WE VoIP Pro
2. [-/-/KOREA] (Korea only) WE VoIP Package Upload feature is added in [CONFIGURATION > Phone Setting > File Upload] menu.
3. [-/-/-] Intercom Voice Only feature is added.

When a call is established between video phones via Intercom, administrator can choose whether the call is supported video streams or not.

1. [-/-/USA] Trunk Auto Answer Ignore feature is added.

Auto Answer which is set to a user can be ignored when a call from a trunk is received to the user by the option.

1. [-/-/USA] When an emergency group call is requested, the SCM dials the emergency number and emergency manager numbers simultaneously.
2. [-/-/KOREA] Active-Active IP and Active-Standby IP is inserted to [MANAGEMENT > Access Control List(ACL) > Management Port ACL] menu automatically.

**Index 49 is reserved for Active-Active IP and index 50 is reserved for Active-Standby IP in [MANAGEMENT > Access Control List(ACL) > Management Port ACL] menu..**

**If there are some IP address on index 49~50, please move to the other index before upgrading to V5.4.2.x package.**

1. [-/-/AUS] Can input Domain string for NTP Second Server and NTP Public Second Server in [Configuration > Phone Setting > NTP Options].
2. [-/-/AUS] Package Installation and Upgrade Check Feature has been added.

SCM checks a duplicated installation and non-installation during package installation and upgrade.

1. [-/-/AUS] Management ACL Feature has been improved. TCP 80 and 443 is not blocked when Management ACL is activated in [MANAGEMENT > Access Control List(ACL) > ACL Options] menu.
2. [-/-/-] APNs Certification Files was changed for supporting new iOS WE VoIP.

**CAUTION: WE VoIP of V2.2.0 version for iOS (8.1) can’t be used in SCM Express (V5.4.2.x). Please upgrade to iOS WE VoIP of V2.2.0 version. The expiration date of the certification is 2016.12.2.**

1. [-/-/KOREA] added configuration options for IP Phone.
* Use Headset Button
* WEB Access
* Use PC-VLAN
1. [-/-/-] Activation Key changing method has been improved. Quantity of input possible Activation Key has been extended (2 -> 4).

[Activation Key Changing Method]

* Input New Activation Keys
* Delete Old Activation Keys
1. [-/-/-] FAX Relay (Inter-Gateway) type was added to [CONFIGURATION > Gateway > IPX Setting > Gateway Configuration] menu. This filed is used for sending fax between gateway
2. [-/-/KOREA] add the secure protocol type for IPX Gateway.
3. [-/-/-] EHS Headset option value names were changed.

The option value in [CONFIGURATION > User > Single Phone User / Multi-Phone User > Phone > EHS Headset] was changed from Disable/Enable to Normal/Advanced for better understanding.

1. [-/-/-] “Login Override” option was removed [Configuration > Single Phone User, Multi-Extension Phone > Phone] menu. (Not used option)
2. [-/-/-] Broad Message PUSH resending functionality added

SCM can be configured to resend broad message PUSH at /DI/CM/config/com/BMESSAGE\_CONFIG.ini

SCM resend the push message when We VoIP does not read the broad message.

1. [-/-/KOREA] added function that check the duplication of system internal DB account and CMS DB account.
2. [-/-/KOREA] Fixed : Member Party in Room Information menu is not displayed.

Fixed the problem that the value in [CONFIGURATION > Service > Hotel Service > Room Information > Member Party] menu is not displayed.

1. [-/-/KOREA] problem with PMS is fixed.
* Deactivate the service of Room Phone when room check in.
* Fixed the CDR report delay problem
* Release the trunk call when room check out.
1. [-/-/KOREA] fixed the problem that system don’t send reboot message to IP Phone when system switch over Active-Active.
2. [-/-/Turkey] Transfer INVITE Direction feature has been fixed.

When Transfer INVITE Direction Option is “Extension First”, sending INVITE message to transferee has been solved.

1. [-/-/KOREA] In case of Multi-Phone user, Always Allow option was not working. This problem has been fixed so that with Always Allow option, other members are ringing when the master is busy.
2. [-/-/KOREA] fixed the problem that system don’t send the message for profile update to IP Phone when multi extension phone configuration is changed.
3. [-/-/KOREA] fixed the problem that can’t set the morning call
4. [-/-/KOREA] Fixed : If the extension number includes ‘\*’, creating Person SPAM Number fails.
5. [-/-/RUSSIA] fixed the problem that can’t login SCM Administrator when upgraded from previous version of 5.2.1 to next version of 5.2.1
6. [-/-/USA] fixed the problem that can’t delete automatically User Profile of Operator Group Access Code ‘0’ by Configuration Wizard.
7. [-/-/KOREA] fixed the problem that can’t change ACD Group member when ACD Group member count is over 100 agents.
8. [-/-/AUS] Fixed that Customer Data Import/Export dialog of SCM Administrator is not popped-up when java is updated to 8u65.
9. [-/-/AUS] Priority Codec/Forced Codec policy is applied to the re-INVITE for Hold and Transfer
10. [-/-/KOREA] fixed the problem that system don’t synchronize the attached file of notice board

## New Version 5.4.1.x Changes:

 **V5.4.1.3**

1. [-/-/KOREA]add FMC site profile menu.

Block: DMB,PDMB

1. [-/-/KOREA]change the initial value of SIP public port and FMC Rx Port.

Block:DMB

1. [-/-/KOREA]add PMS function – mini-bar report and PMS HA-mode.

Block: DMB, PMSB

1. [-/-/KOREA]fixed PMS function problem(alarm, cdr, creation of Group)

Block: DMB, PMSB

1. [-/-/-]add function for new IPX-G500 gateway product.

Block: DMB, GWMB

1. [-/-/-]fixed problem for No-Ring service of multi-type phone.

Block: DMB

1. [-/-/-]fixed problem for absence service activation.

Block: DMB

1. [-/-/KOREA]Selective No Ring feature for Multi-Device and Multi-Line is added. Selective No Ring means that No Ring service is applied by the comparison with Override level of caller and Privacy level of callee.

Block: CSB

1. [-/-/KOREA]When SBC returns error code before ringing for smart routing call, SCM provides a connection service using mobile number.

Block: CSB

## New Version 5.4.0.x Changes:

 **V5.4.0.9**

**< Upgrade Cautions! >**

* **After upgrading to V5.4.0.9, the SSH and SFTP connection failure error can happen in PC which is storing old SCME's SSH and SFTP connection information (cache file).**
* **Solution: Delete old SCME's SSH and SFTP connection information (cache file) in PC.**

**<SSL, SSH, NTP Downgrade Cautions! >**

* **When downgrading from V5.4.0.x to a lower version, refer to “V5.3.0.5 Cautions” page in `SCM Express V5.4 Configuration Guide` document.**
1. [-/-/KOREA] Restriction Policy priority error is fixed.

- Call Forward Restriction Policy activates after user’s restriction policy.

- Normally, Call Forward Restriction Policy activates before user’s restriction policy.

Block: CSB, SASEB

1. [-/-/KOREA] A meet-me conference announcement added:

“This conference will be terminated in 1 minute”

Block: MCUD

1. [-/-/AUS] For interoperability test with Broadworks, ‘SRV query within call’ option is added.

Block: SIPB

1. [-/-/SER] REGISTER with qop and opaque is supported.

Block: REGB

1. [-/-/SEUK] The Domain name in Route is changed to mandatory field with Multiple SIP Account.

Block: admin

1. [-/-/Korea] If a Multi-Phone User activates My Single CTD, the call for Click to Dialallowed on one device only. The devices using same line number can be allowed whether the call for Click to Dial service receives or not. It can be set in [SCM Administrator/CONFIGURATION/User/Multi-Phone User setting].

Block : CSB, Admin

1. [-/-/] Added [FXS Register Expire Time] option in Administrator/CONFIGURATION/User Group/Change User Group/Timers

Block : REGB, Admin

1. [-/-/AUS] Implemented Broadworks INVITE/REGISTER failover/failback functionality.

Block: REGB,CSB,DMB.admin

1. [-/-/-] Added some ISDN menus for IPX gatewayin SCM Administrator.
* Configuration > Gateway > IPX Setting > Gateway PRI Trunk
* Configuration > Gateway > IPX Setting > Gateway BRI Trunk/Station

Block: SCM Administrator, DMB, GWMB

1. [-/-/-] Added some Network menus for IPX gatewayin SCM Administrator.
* Configuration > Gateway > IPX Setting > Gateway Network Configuration
* Configuration > Gateway > IPX Setting > Gateway Port Forwarding
* Configuration > Gateway > IPX Setting > Gateway Packet Filtering

Block: SCM Administrator, DMB, GWMB

1. [-/-/South Africa] Fixed error in Customer Data Import/Export of SCM Administrator

When operator add users for several user groups at one time in Customer Data Import/Export of SCM Administrator, the last user group’s user data was not added. It was fixed.

* Customer Data Import/Export > Single Phone User, Multi-Phone User, Multi-Extension Phone

Block: SCM Administrator

1. [-/-/Korea] You can set the port range in [MANAGEMENT > Access Control List(ACL) > Miscellaneous ACL] menu(refer toHelp menu).

Block: ACLB

1. [-/-/Korea] Fixed the problem that is not playing announcement when SCME run initially
2. [-/-/-] OpenSSL Version Upgrade(1.0.1p)

OpenSSL Version Upgrade to protect security issue.

1. [-/-/-] OpenSSH Version Upgrade(6.8p1)

OpenSSH Version Upgrade to protect security issue.

1. [-/-/-] NTP Version Upgrade(4.2.8p2)

NTP Version Upgrade to protect security issue.

1. [-/-/Russia] E.164 Format Number in “Auto Answer CLI Number” and “Auto Answer Profile Number”.

SCM allows an input E.164 format Number for "Auto Answer CLI Number" and "Auto Answer Profile Number".

Menu: Configuration > Wireless Enterprise > Mobile Service Option

Option: “Auto Answer CLI Number”, “Auto Answer Profile Number”

1. [-/-/Korea] WE VoIP Location CID

Added CLI Service for WE VoIP.

CLI service can providefor three location, Internal Wi-Fi, External Wi-Fi and mVoIP.

1. [-/-/SEUK]Multiple SIP Account Trunk's Incoming call problem is solved.

When Trunk’s Domain Name is IP-Address, incoming Call Reject Problem is solved.

1. [-/-/SEUK] Multiple SIP Account Trunk's E.164 Incoming call problem is solved.

When Incoming Called Number is E.164 format, incoming Call Reject Problem is solved.

1. [-/-/Korea] Added configuration Menu for IP terminal’s Password

Refer to ‘Phone’ Tab in [CONFIGURATION > User > Single Phone User] Menu.

Password kind : User/Administrator/Telnet/Web User/Web Administrator

Block: DMB, PDMB, NTFB

1. [-/-/Korea] FTP link for CDR is added

Line 2 ~ link 4 is added.

Refer to [MANAGEMENT > CDR Storage Options > FTP Send] Menu.

Block: CDRB

1. [-/-/Korea] management menu for Non-Sending CDR files is added

Refer to [MANAGEMENT > CDR Storage Options > CDR Option] Menu.

* Non-Sending CDR : Backup Lifetime
* Non-Sending CDR : Maintemnace Period

Block: CDRB

1. [-/-/Korea] IPX-G500 Upgrade Menu is added

Refer to [CONFIGURATION > Gateway > IPX Setting > Gateway Package Upgrade] Menu.

Refer to [CONFIGURATION > Gateway > IPX Setting > Gateway File Upload] Menu.

Block: GWMB, Admin, SPPIB

1. [-/-/SEA] error string is changed when license exceeds limit.

Block: DMB

1. [-/-/Korea] fixed problem that SCM can’t send the CDR file to CDR-Server after system sync.

Block: CDRB

1. [-/-/Korea] added the system encoding information in attendant console profile.

Block: PDMB

1. [-/-/Korea] added the display option for FMC subscriber number.

Block: PDMB

1. [-/-/Korea] when service group option is changed, system will change only the profile .of subscriber in that service group.

Block: PDMB

1. [-/-/Korea] added function that system check the port collision when administrator change the port of IP terminal .

Block: DMB

1. [-/-/-] Phone package files of SMT-i6000 series were integrated.

- Same package for SMT-i6011/6010

- Same package for SMT-i6021/6020

- When user upload or upgrade phone package for the models in SCM Administrator, it will be displayed with one model.

Block: SCM Administrator, SMT-i6011/6010, SMT-i6021/6020

1. [-/-/Korea] added provisioning information for FMC terminal .
* Public address for provisioning, public HTTP(s) port information

Block: DMB

1. [-/-/Korea] added parent department name information for Directory Service(LDAP) .

Block: LDAP

1. [-/-AUS] Malicious Call Identification

Block : CSB, SASEB, Gateway

1. [-/-/Korea] when SCM without “SCM Express - Embedded Application” License, conference service restrict problem is solved.

- This problem occur License, not activation key.

1. [-/-/Korea] added badge count functionality for iOS FMC.

Block: PNB, PIMB, servlet

1. [-/-/Korea] replaced [Push no response time] to[ Internal call no answer clear timer] for iOS FMC.

Refer to [CONFIGURATION > User Group > Change User Group > Timers] Menu.

Block: CSB

1. [-/-/Turkey] Proxy Authentication with 407 response is supported.
2. [-/-/Korea] CallBack function problem is fixed in case of multi-phone user.

Block: DMB

1. [-/-/Korea] CFD Restriction Policy problem is fixed, in case of hunt group member and hunt group is equal type.

Block: CSB

1. [-/-/AUS] During BW inter-operability test, re-INVITE was sent not to primary outbound address but to secondary outbound address because of DNS query. This problem is fixed.

Block: SIPB, REGB, DMB

## New Version 5.3.1.x Changes:

 **V5.3.1.2**

1. [-/-/-] Problem Fixed : If there is a route or application server whose User Group is set to COMMON, after upgrading from V5.2.x or lower version to V5.3.0.14, the system announcements are not played.
2. [-/-/-] Problem Fixed : Cannot create users up to user license count when using configuration wizard.
3. [-/-/-] Broad Message functionality is supported for iOS FMC.
* User can use message sending/receiving with iOS FMC.
1. [-/-/Korea] When Active-Active Link is disconnected, daily “AA License Elapsed Time” Status event is not working in SCME having Active-Active activation key.This issue is modified in this patch.

Block: SLMB, LMB

1. [-/-/SEUK] Problem Fixed : A call from a route whose Multiple Registration is enabled is rejected when the called number is E.164 format.

Block: CSB

1. [-/-/KOREA] System SPAM Call Block problem, which blocks longer then a configured time, is fixed.

Block: NRCB

## New Version 5.3.0.x Changes:

 **V5.3.0.14**

**< Before Upgrade Cautions! >**

* **After upgrading from V5.2.0 and lower to V5.3.0 and higher, the password of SCM Administrator can be cleared.**
* **Solution 1: Before upgrading, please change the password of all IDs of SCM Administrator.**

 **(Save the Account List in excel file before upgrading.)**

[Management > Access Permission > Account List]



* **Solution 2: When executing start\_upgrade.sh of 5.3.0, the script will check if the passwords have error and print the name of IDs to console.**

**- If you quit start\_upgrade**

**Log-in to SCM Administrator and change the passwords first, and then re-execute start\_upgrade.**

**- If you keep going start\_upgrade**

**If root/admin has error, the passwords will be initialized. And other passwords will be cleared after upgrading. After upgrading, please change the passwords.**

[root@gui3 SCME\_5.3.0.12\_20150508]# **./start\_upgrade.sh**

This program will upgrade scm express software.

Will you execute ? (yes/no) **yes**

Upgrade Started

Backup current package

**Checking passwords of the SCM Administrator's accounts** => Start of checking Admin Password

**Password resetting is required for accounts: hong root cho** =>If it has error, the name

will be displayed

Enter 'yes' if you want to upgrade first and then change the password.

Enter 'no' if you want to reset password first and then try upgrade again. (yes/no) **yes**

**The password of 'root' will be initialized.** => If root/admin has error, the password will be initialized

**After upgrading, change the password for accounts :hongcho** => Other passwords should

be changed after upgrading

Are you sure? (yes/no) **yes**

WARNING: there is no transaction in progress

**Checking password is over. Next step is in progress...**=> End of checking Admin Password

(takes some minutes…)

Upgrading SCM Express Software

....

**< Upgrade Cautions! >**

* **After upgrading to V5.2.0.5, the SSH and SFTP connection failure error can happen in PC which is storing old SCME's SSH and SFTP connection information (cache file).**
* **Solution: Delete old SCME's SSH and SFTP connection information (cache file) in PC.**

**<SSL, SSH, NTP Downgrade Cautions! >**

* **When downgrading from V5.3.0.x to a lower version, refer to “V5.3.0.5 Cautions” page in `SCM Express V5.3 Configuration Guide` document.**
1. [-/-/-] The menu of Broad Message History was added
* [PERFORMANCE >Detailed Event History >Broad Message History]
* The operation history of broad message was displayed.
1. [-/-/Korea]Internal DID feature for incoming call is supported.
2. [-/-/-] Menu tree was added in SCM Administrator. (Configuration > Resource)
* ‘Resource’ tree was added to the menu tree Configuration and some menus were moved.

. Existing menus: Activation Key, License

. New menus: Trunk Service Limitation, Application Service Limitation, Resource State

1. [-/-/-] Resource State menu was added in SCM Administrator.
* ‘Resource State’ displays the User Group specific resource usage for some items.
* However, the capacity constraints can be different according to the license.
* Configuration > Resource > Resource State
1. [-/-/USA] Service list in Service Class menu in SCM Administrator was sorted.
* Service list in create/change dialog of Service Class menu are sorted by string.
1. [-/-/-] Broad Message functionality is supported
* User can use message sending/receiving with android FMC.
1. [-/-/-] added Noticeboard additional functions
* Noticeboard Category function .
* Notice attachment function.
1. [-/-/-] added IP Terminal Options
* Syslog option, wifi option, callog option, hook timer option..
1. [-/-/-] option for color of presence string is added.
2. [-/-/-] ‘delete User Group’ Menu is added.
3. [-/-/-] The name of “Wifi Agent” was changed to “Smart WLAN Link”.
* These names were changed in SCM Administrator.

. Sub menu names in Configuration > Wireless Enterprise

. Single Phone User, Multi-extension Phone: Use Wifi Agent -> Use Smart WLAN Link

. Activation Key: Wifi Agent -> Smart WLAN Link

. Phone Setting > File Upload: Phone Type combo list

1. [-/-/-] Common Service Limitation Feature Added.
* Operator can control Common Application Server or Common Trunk Service for each user group.
* It provides a service to following common type application servers.

- 3rd Party UMS

- 3rd Party Conference

- 3rd Party IVR

- External Ringback Tone

1. [-/-/-] Internal UMS / Internal Conference Call Control Feature Added.
* Operator can control Internal UMS or Internal Conference Service for each user group.
1. [-/-/-] To support Hosted Service, default CSTA license for SC plus and etc. is increased from 10 to 160.
2. [-/-/-] Each User Group can select its own announcement language
3. [-/-/-] Added ‘Job’ type at ‘User Profile Field’ for FMC job search function.
4. [-/-/-] ‘Valid Data’ Option of User Group is Added. After expiration, SCM will reject the request of registration of terminal.
5. [-/-/Korea] The call log of the transfer target could be ‘Transfer Party’ or ‘Held Party’. It depends on the way of transfer such as Blind Transfer, Semi-consultation Transfer and Consultation Transfer. Regardless of the way of transfer, the call log can be ‘Transfer Party’ orHeld Party’ by setting the below option.
* [CONFIGURATION>User Group >Change User Group> Options > Call Log for Transferred Party]
1. [-/-/-]GHOST: glibc vulnerability (CVE-2015-0235). SCME updated the gilbc patch.
2. [-/-/-]NTP Version is upgraded to version 4.2.8.
3. [-/-/-] By default, Session Timer is used.

The default value of ‘Call Session Used’ in the [CONFIGURATION > Miscellaneous > System Options] is changed to ENALBE from DISABLE.

1. [-/-/Korea] Although user deactivate call forward service, the destination number will be remained.
2. [-/-/China]Maximum List for Number Translation Table extended.
* [CONFIGURATION > User Group > Change User Group > Number Translation].
* 3000 User: 1000 List 🡺 2000 List
* 10000 User: 3000 List
* 30000 User: 3000 List
1. [-/-/Korea] Fixed to set station group number for destination of Hot Line.
2. [-/-/Australia] Multiple SIP Account Route Call Failure is fixed
* ACD call distribution failure from Multiple SIP Account Route is fixed.
* User Number Range in Route menu is supported a designated number without ‘X’.
1. [-/-/Korea] Time difference for Ring Plan Schedule is adjusted.
2. [-/-/USA] ‘No Answer Destination’ of Hunt group was not working. This problem is fixed.
3. [-/-/Korea] ‘CLI for Forwarded Call’ problem is fixed.
4. [-/-/SA] The fault of SIP trace save feature is made up.
5. [-/-/Korea] ‘Transfer Recall’ feature in the [COMFIGURATION > User Group > Change User Group > Options] is fixed.
6. [-/-/Australia] The Forced Audio Codec feature for re-INVITE is supported.
7. [-/-/Korea] Click to dial with FXS phone via CSTA interface became available.
8. [-/-/UK] Premium CID function for Hotel Room problem is fixed when room check in/out
9. [-/-/Korea] Anonymous Call Transfer failure is fixed.

- This problem occurs following configuration.

- No use Transferee restriction policy disabled

- Transferee has toll restriction list that starting digit is ‘0’.

1. [-/-/Korea]When administrator add or delete a line(User) on multi-Extension Phone, SCM does not send notify-event to phone sometimes. This problem is fixed.
2. **[-/-**/Korea**]**If there is not ‘/home/samsung’ directory in SCM, noticeboard service is not working.
3. **[-/-**/Korea**]**mVoIp service on iPhone is not working because of profile problem.
4. **[-/-**/USA**]**Abnormal Block State (LDIB) when LDAP import function is executed consecutively. And LDAP import function is executed only once. Those issues are modified in this patch.
5. **[-/-**/Korea**]**APC status is not matched with real APC link status.This issues is modified in this patch.
6. **[-/-**/USA**]**Although Call Record service was not permitted in Class of Service, the call record service using call record key was allowed. This problem is fixed.
7. **[-/-**/Australia**]**VM password does not initialize in the Mailbox menu.- Fixed.
8. **[-/-**/Australia**]**Testcase 41(Blind Transfer on Hold) is supported in the BroadsoftInteroptest.
9. **[-/-/**Australia**]**In case of interworking with broadsoft, SCM did not send ‘REGISTER’ message including the ‘minimum expire time’ that the broadsoft sent through ‘423 Interval too brief’. This problem is fixed.
10. [-/-/Korea] The Meet-me License count was ignored if it was entered while the server was in standby mode. This bug has been fixed.
11. [-/-/Korea] Fixed that IPScan file update problem because of date
12. [-/-/Korea] Fixed that Phone Version(SMT-i6XXX series) information Provisioning problem
13. [-/-/Korea] Fixed that GWMB process is down because of memory problem in multi-phone user provisioning
14. [-/-/Korea] The openssl upgrade failure problem was solved when installing using CD.
15. [-/-/Russia] Can input ‘+’ for Auto Answer CLI Number in Mobile Service Options.
16. [-/-/Australia] Fixed that SCM Administrator does not work for 5 minutes or so in [Statistics > ACD Group Summary] when user search with day mode for April or September (summer time).
17. [-/-/Russia] Ums client setup program does not support Russian language OS. -> Fixed
18. [-/-/Korea] When a call sent to equal hunt group is forwarded to another hunt group, hunting to the next member of the hunt group is not working. This is fixed.
19. [-/-/SEUK] Multiple SIP Account Trunk's Incoming call problem is solved.
20. [-/-/SEA] The audio port that SCM offered for Move or Transfer service was 35999 (odd number). But it is changed to 35998(even number) by RFC reference.
21. [-/-/Korea] The register using OPTIONS method failed in case URI type is SIPS. It is fixed.
22. [-/-/Korea] Fixed to SNMPAB process was restarted abnormally when working with NMS server.
23. [-/-/Australia] Fixed that announcement files which were changed by site user are not kept when SCME version upgrades
24. [-/-/Korea] Although hunt group members are available, the hunt group call is sometimes forwarded to the “All Busy/Unavailable Destination”. - Fixed

## New Version 5.2.1.x Changes:

 **V5.2.1.0**

**< Upgrade Cautions! >**

* **If SCME has SCM Administrator’ ID including characters not ASCII (ex: Italian, German, Korean, Russian, Spanish and so on. We do not recommend this), after upgrading to 5.2.1.x, it can be displayed with strange characters.**

**(You can identify it in [Management > Access Permission > Account List] after logging in with ‘root’ or ‘admin’.)**

* **Solution: Save the Account List in excel file before upgrading. And after upgrading to 5.2.1.x, check the IDs in Account List menu. If some IDs are strange, delete the IDs and create again.**
1. [-/-/Korea] ID of SCM Administrator was encryptedwith SEED.
* SEED Cyper Algorithm was established as IETF standard in 2005 by ISO/IEC.
1. [-/-/Korea] MCCD process was down while handling Activation Key update messages. MCCD has been modified on this bug. MCSMB also modified to not send identical Activation Keys repeatedly.
2. [-/-/-] web log rotating function was modified.

/DI/WEBCLI/apache2/var/log/httpd/\*.log

## New Version 5.2.0.x Changes:

 **V5.2.0.5**

**< Upgrade Cautions! >**

* **After upgrading to V5.2.0.5, the SSH and SFTP connection failure error can happen in PC which is storing old SCME's SSH and SFTP connection information (cache file).**
* **Solution: Delete old SCME's SSH and SFTP connection information (cache file) in PC.**

**< Downgrade Cautions! >**

* **When downgrading from V5.2.0.5 to a lower version, refer to “V5.2.0.5 Cautions” page in `SCM Express V5.2 Configuration Guide` document.**
1. [-/-/Korea]Callback Service Upgrade
* When making a call to anunregistered phone, Callback service can be set through soft menu.
* Callback service is produced through hook-off/on action not making a call. It needs that Line Seize option of User Group should be set to ‘SEND MESSAGE’ and anappropriatephone package should be used.
1. [-/-/Korea] Paging/Paging On Answer/Dispatch Call are restricted through user group options.
* In case [station paging without feature code], [paging on answer without feature code] and [dispatch call without feature code] of user group are set to [DISABLE], the feature codes should always be dialed.
1. [-/-/-] Add SMT-i6000 series in SCM Administrator
* SMT-i6000 series phone model was added. (These products are in progress.)

: SMT-i6010, SMT-i6020, SMT-i6011, SMT-i6021

1. [-/-/-] Some option names with NFC were changed in SCM Administrator.
* Feature Code

  . NFC move to Desk  => Move Key - To Desk

. NFC move to Mobile => Move Key - To Mobile

. NFC Pick up => Move Key - Pick up

* Class of Service, Service Permission

  . NFC Service => Call Move Service

  . NFC Service for Any Mobile => Pairing Service for Any Mobile

  . NFC Move to WE VoIP First => Move to WE VoIP First(Move Key)

* Single Phone User, Multi Extension Phone

  . NFC Mobile Phone Name => Paired Mobile Phone Name

  . NFC Auto Login →As Is

  . Use NFC →As Is

  . NFC Auto Login Phone Name→As Is

1. [-/-/Korea] Some menus were added in Customer Data Import/Export of SCM Administrator.
* Inbound MCN, Outbound MCN
1. [-/-/-] CSTA Event for Line Seize can be supported.
* Line Seize status can be applied to CSTA events when 'Line Seize Option'of User group is

For FXS phones, 'FXS Line Seize Option' is added to User so that BLF and CSTA Line Status can be supported.

Configuration of 'FXS Line Seize Option' MUST be follows the guideline of each Gateway.

\* Gateway Performance Guide byFXSLine Seize Option Usage (OX7500 / 1000 Lines)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| FXS Line Seize Option Cnt | Notify Traffic | Call Traffic | CPS | Option Usage(%) |
| 0 | 0 | 16 | 8(Current) | 0% |
| 1000 | 8 | 8 | 4 | 100% |
| 500 | 4 | 12 | 6 | 50% |
| 250 | 2 | 14 | 7 | 25% |

1. [-/-/-] Common Route for Gateway can be supported.
* A route for PRI which can access from several user groups can be supported with COMMON type. Gateway with common PRI trunk MUST set Common type and cannot support FXS phones and Survival Mode. For Common route, [Common Route Prefix] has to be set.
1. [-/-/-] Inter User Group Call feature is added
* Inter user group call can be processed to an internal call. To route an outgoing call internally, [Common Prefix] and [DID Table] is checked. When the final destination of an outgoing call is matched to a DID Table entry, it can be routed to internally.
1. [-/-/-] Event type for ‘Route Register Expire’ is changed from STATUS to ALARM.
* The alarm for ‘Route Register Expire’ can be disabled by the option ‘Register Expire Alarm’ in the

[CONFIGURATION > Trunk Routing > Route: SIP Registration] menu.

1. [-/-/Korea] Search Programming Key menu was added in SCM Administrator.
* When user click [Search] button after choosing User Group and Value(Extension Number), it displays programming button lists of phone, AOM or Attendant Console that those values are set with the Extension Number.
* The Value(Extension Number) can be user’s extension number or group number.
* [Configuration > User > Search Programming Key]
1. [-/-/Korea] When several FXS user was registered with one REGISTER message with list, assigned gateway was not checked. This problem is fixed.
2. [-/-/Korea] Phone Key Programming entry was disappeared if the phone with IP address verification was un-registered. The problem is fixed.
3. [-/-/-] The menu of Notice Board was added
* [CONFIGURATION >Service >Notice Board]
* The contents of notice board will be displayed
* You can create/change/delete items on notice board
1. [-/-/-] The menu of Notice Board History was added
* [PERFORMANCE >Detailed Event History >Notice Board History]
* The operation history of notice board was displayed
1. [-/-/-] The ‘User Group Expanding’ of Activation Key was added
* [CONFIGURATION >Miscellaneous >Activation Key]
* You can create the user group up to 8 without activation key.
* If you want to create more user group, you need the activation key.
1. [-/-/-] In PWP, the login error message was changed
* For security, “The ID is invalid”/”Password is wrong” changed to “Please retry”
1. [-/-/-] In ‘Customer Data Import/Export’ menu, The speed of paste was improved
2. [-/-/-] Add management feature of httpdlod.

## New Version 5.1.2.x Changes:

 **V5.1.2.2**

1. [-/-/Korea] Dispatch Call Service Implemented.
* Users can make dispatch call from the phone or the Admin GUI.
* It is necessary to create feature code for the dispatch call and dispatch call groups.
* The dialable numbers should be entered at the User Profile page.
1. [-/-/Korea] Dispatch Call Monitoring menu was added.
* [CONFIGURATION > Service > Dispatch Call > Dispatch Call Monitoring]
* The monitoring information of dispatch call is displayed
* The monitored call can be transferred or released by controlling in the Call Monitoring menu.
1. [-/-/Korea] Dispatch Call Group-Incoming menu was added.
* [PERFORMANCE > Statistics > Dispatch Call Group > Dispatch Call Group-Incoming]
* The statistics of dispatch call group-incoming is displayed
1. [-/-/Italian] The name of the Italian conference prompt files has been fixed.
* \*.WAV -> \*.wav
1. [-/-/Korea]ID of SCM Administrator was encryptedwith AES.
* ID of SCM Administrator was encrypted in database with AES. In GUI, the encrypted string will be displayed.
1. [-/-/Korea] The minimum length of password of SCM Administrator was changed to 9 characters.
* If it has three kinds of characters (alphabet, numbers and special characters), the minimum length will be 9 characters, and if it has two kinds, it will be 10 characters.
1. [-/-/Korea] Dispatch Call History menu was added.
* [PERFORMANCE > Detailed Event History > Dispatch Call History]
* The history of dispatch call group and member is displayed
1. [-/-/Korea] The problem that hunt group call can be delivered to a random user which is not belongd to that hunt group is fixed.

## New Version 5.1.0.x Changes:

 **V5.1.0.5**

**<InstallationCautions !>**

1. **After SCME installation, ACL feature is operated.**

**- IP for PC admin change to Data Link(eth0) IP band.**

**- In setup wizard, If KT TELECOM option is diable, ACL feature is not operated.**

**- Or [MANAGEMENT] -> [Access Control List] -> [ACL Options] -> [Miscellaneous ACL Status] -> disable.**

**<UpgradeCautions !>**

1. **After SCME upgrade, Miscellaneous-ACL feature is operated.**

**- If you want to disable, [MANAGEMENT] -> [Access Control List] -> [ACL Options] -> [Miscellaneous ACL Status] -> disable.**

1. [-/-/-] SCME sever Virtualization
* SCME system run on a physical server as virtual machine.
1. [-/-/-] Added ACL features.
* In configuration wizard, if KT TELECOM option is enabled, ACL feature is operated.
* Korea only.
1. [-/-/-]CDR Hot Billing
* SCM will send the CDR data saved in the SCM at a time to CDR server after CDR server re-connect to SCM (In old version, SCM periodically sent CDR data of a cetain size to CDR server)
1. [-/-/-] ‘CDR Format’ Option changed.
* [ MANAGEMENT > CDR Storage Options > CDR Option ] CDR Format.

. OLD(Field Count 27)

. Ver2(Field Count 38)

. Ver3(Field Count 50)

1. [-/-/-] Added Optinos for IP Phone.
* In [ CONFIGURATION> Phone Setting > Service Options ] menu.

. ‘Premium CID Type’🡪 added ‘Internal(by CallInfo)’option

. Added ‘Hotspot Channel(Country)’ for Wifi Module in a phone.

. Added ‘Phone Wallpaper’ and ‘Phone Ring’

* Upload file to SCM through the [ CONFIGURATION> Phone Setting >File Upload] menu.
* In [ CONFIGURATION> Phone Setting > SIP Options ] menu.

. Added ‘TOS(for WiFi)’

1. [-/-/-]In SCM Administrator, Single Phone User menu was changed.
* Option fields in Single Phone User menu are divided as follows:

 : Basic Configuration, Protocol, Number Translation, Service, Interworking, Phone

* Create dialog is same with Change dialog.
* Each sub menus are displayed in tab dialog and user can input simply Basic Configuration when create a single phone user.
1. [-/-/-]In SCM Administrator, User menus has filter for Department, Position and Name.
* Department, Position and Name filter was added in Single Phone User, Multi-Phone User and User Profile menu.
1. [-/-/-]In SCM Administrator, MAC address type was changed.
* User can input MAC address without ‘:’ in Single Phone User, Multi-Extension Phone, AOM and Gateway menu.
* User can input MAC address with ‘:’ or ‘-‘.
1. [-/-/Russia]In SCM Administrator, the fixed version will be displayed in About dialog. (Russia only)
* The fixed version will be displayed in About dialog as follows: 5.1.0.0 (2014.08.19) V1.0
* It’s for Russia only.
1. [-/-/-]In SCM Administrator, Phone Tone can be inputted by country for new gateway (IPT-GW).
2. [-/-/USA]Personal Assistantwill check class of service when user create meet-me conference.
* If the user have no class of service for meet-me conference, the [Create] button will be deactivated.
1. [-/-/USA]In SCM Administrator, user can input Dial Number for meet-me conference.
* User can input Dial Number by User Group in [Conference > System Setting > Dial Number].
* When user create meet-me conference, the dial number will be displayed in Sending E-mail dialog.
1. [-/-/Italy]In Personal Assistant, Italian was updated.
* There was some English sentences in Italian mode, it was updated.
1. [-/-/Peru] Save the Authorize code to CDR.

- when call connects successfully, SCM will save the Authorize code to CDR.

1. [-/-/Peru] Added Display Option for Account Code and Authorize code.

- In [MANAGEMENT > CDR Storage Options > User Group CDR Option] menu.

 'Display DTMF Detection Code' - set whether to save Account Code and Authorize Code to CDR.

1. [-/-/Australia] Save the Operator Group and Hunt Group Member Number to CDR.

- when call connects successfully, SCM will save the Operator Group and Hunt Group Member Number to CDR.

1. [-/-/USA] Added CID option for Semi-Blind Transfer to VM/AA

- In [CONFIGURATION > User Group > Change User Group > Options]

 'Transfer CID for VM/AA' - set whether to display Transferer or Transferee CID to VM/AA.

1. [-/-/CHINA] Added Trunk Redial feature.

- When subscriber uses this feature is trying trunk call, SCM will attempt to redial the call by adding a 0 to the dialed number.

- This is CHINA only.

1. [-/-/Korea] Hunt member is not connected after upgrading to V4.1.4.5

Since V4.1, hunt call is released if [No Answer Time] of Hunt Group is 0.

This is restored to the original state which is that [No Answer Time] of user group is working if [No Answer Time] of hunt group is 0 or null.

1. [-/-/AUS] SASEB Kill

The problem which is SASEB is killed when Call Move is answered and is released by peer at the same time is fixed.

1. [-/-/-] When FMC phone makes a call, the DID number of peer is delivered to FMC phone to make a call with it even tough FMC is placed out of wifi zone.

DID number is stored in call log.

1. [-/-/-]Multiple registrations to one ISP with one IP address is supported.

The incoming route is determined by matching a called number to [User Number Range].

To express a range of called number 'digits', '[ - ]' and 'X' can be used.

ex) 031279[1-3]XXX: number range which is 7 length digits starting with 0312791, 0312792, 0312793 (0312791000~0312793999)

1. [-/-/-]Supplementary information are added to CDR.
* Transferer
* Service Type(Pickup, Forward, Multiring, Hunt, Operator, ACD, SmartRouting, Handover)
1. [-/-/-]Display Column in ‘Call Management’ Menu is added.
* Calling Name/Called Name Column in [PERFORMANCE > Call Management] Menu
1. [-/-/-] Hotspot Option Menu is Added
* ‘Hotspot Channel’ Option in [CONFIGURATION > User Single Phone User > Phone Tab] Menu
1. [-/-/-]‘Parent Department display Option’ in Directory Service on Phone is Added
* ‘Search Parent in Directory Service’ Option in [CONFIGURATION > User Group> Department] Menu
* ‘Top Department in Directory Service’ Option in [CONFIGURATION > User >User Profile] Menu
1. [-/-/China][SCM Administrator] Two menus are added in Customer Data Import/Export.
* ‘Number Translation’ was added.
* ‘Click to Dial Callee Number Translation’ was added.
1. [-/-/-]In SCM Administrator, Listbox type was changed.
* When user input search string, items contain the string will be remained in right listbox.
* User can move items at one time with Left All and Right All button. (<<, >>)
1. [-/-/-][SCM Administrator] The change and create dialog of Multi-Extension Phone/Multi-Phone User menu was unified.
* [CONFIGURATION > User > Multi-Extension Phone]
* [CONFIGURATION > User > Multi- Phone User]
* The items are divided into tab form by subclass.
1. [-/-/Korea] Phone Registration by Type menus was added.
* [PERFORMANCE > Statistics > Phone Registration by Type > Registration Average]
* The statistics of registration average is displayed by phone type
1. [-/-/Korea] Input range of Send CLI Name was changed in user menu.
* User can input 20 characters not 20 digits for Send CLI Name in Single Phone User and Multi-Phone User.
1. [-/-/Korea] Added the Outside Work Restriction Policy Feature.
* When user used WeVoIPphoneare moved to external network from internal network, Outside-Work-Restriction -Policy is working during configured duration.
* [CONFIGURATION > User Group > Change User Group > Options> Check iOS Access Network] => iOS Only
* [CONFIGURATION > User Group > Change User Group > Timers>Push Reg-Request Interval(min) ] => iOS Only
* [CONFIGURATION > User > Single Phone User/Multi-Phone User> Service Tab >Outside Work Duration(hour)]
* [CONFIGURATION > Service > Feature Service > Class of Service>Outside Work Restriction Policy]
1. [-/-/Korea] added function that send ‘Database Backup File’ to FTP server
* Refer to [MANAGEMENT > Database > Database Backup]..
1. [-/-/-] Outbound Call History Feature Added.
* SCM provides Outbound Call History Feature like Incoming Call History.
1. [-/-/Korea] Disk usage statistics menu was added.
* [PERFORMANCE > Statistics > Resource > Disk]
* The statistics of disk usage is displayed
1. [-/-/Korea] Conference Member Eject Feature is added.
* Conference owner or a user which setup the conference can delete other user joined the conference.
* Dial with ‘Conference Member Eject Feature Code + a user to delete’.
1. [-/-/Korea] OS7500/OS7600 can be over-worked when the GW sends a REGISTER message with FXS list in body for multiple FXS registrations. This problem is solved. .

## New Version 5.0.1.x Changes:

 **V5.0.1.5**

**< Downgrade Cautions! >**

1. **Operator should be executed downgrade process using console.**
2. **Operator should be executed ‘ssl\_ssh\_ntp\_downgrade.sh’ in 5.0.1.4 package after running a uninstall script.**
3. The bug of count: 0 about Evaluation License’s Samsung SIP Phones was fixed.
* [CONFIGURATION > Miscellaneous > License]
* Fixed the value about Evaluation License’s Samsung SIP Phones

(=Maximum Subscriber – (Samsung Soft Phones ~ 3rdPartySIP Phones)

1. [-/-/-] In Hunt Group and Pickup Group, you can search the group including partial name
* [CONFIGURATION > Service > Group Service > Hunt Group]
* [CONFIGURATION > Service > Group Service > Pickup Group]
* In Search, the group including name filter’s text will be displayed
1. [-/-/-] Added the [Service Group] in Registration Status menu.
* [PERFORMANCE > Registration Status > Registration Status ]
* Added the [Service Group] to filter and item
1. [-/-/-] Display the toolbar caption in AdministratorTool
2. [-/-/-] Added the [Hunt Group Name] and [Pickup Group Name] in user page
* [CONFIGURATION > User > Single Phone User]
* [CONFIGURATION > User > Multi-Phone User]
* Added the items of [Hunt Group Name] and [Pickup Group Name]
1. [-/-/-] Deleted the [3rd-Party SIP Trunk Channel] in Activation License
* [CONFIGURATION > Miscellaneous > Activation Key]
* Deleted the item of [3rd-Party SIP Trunk Channel]
1. [-/-/-] After displaying the alarm pop-up, it will be shut down automatically when the alarm is cleared
* [PERFORMANCE > Fault > Setting > Setting-Alarm]
* In Setting-Alarm, added the value of [Enable (Auto Close)] to Pop-up Flag
* When alarm is cleared, the alarm that this option is set will be shut down automatically
1. [-/-/-] Added the menu of [Close All Alarm Pop-up]
* [Menu Bar > Dialog]
* When alarm pop-up exists, in ‘Dialog’ menu, [Close All Alarm Pop-up] will be displayed. If clicked it, the all alarm pop-up will be shut down
* When there is no alarm pop-up, [Close All Alarm Pop-up] menu will be removed in ‘Dialog’ menu
1. [-/-/-] Encryption of passwords for registering phone
* The Profile Password and Authentication Password in User menus will be encrypted.

(AES, Base64 Encoding)

1. [-/-/-] Added the menu of [User Service State]
* [Configuration > User > User Service State]
* The service state of users like as call forward will be displayed.

(User Group, Service Group, Department, Extension Number, IP Address, Regi State, Hunt Group, Pickup Group, Call Forward, Group Call Forward)

1. [-/-/-] Added COS about push service enable or disable according to access network.
* [Configuration > Service > Feature Service > Class Of Service]

: Internal Wi-Fi Push Service, Hotspot Push Service, mVoIP Push Service

* This feature is correctly working at adroid FMC client
1. [-/-/KOREA] Next Destination of Hunt Group Issue.
* Next Destination of Hunt Group is not working when Incoming call is from Operator Group.
* This issue is fixed in this package.
1. [-/-/Australia] Deleted a 3rd-Party SIP Trunk Channel License Function.
2. [-/-/SEG] Abnormal Block State(CSB.exe).
* If System Speed Dial is configured to Next Destination of ACD, CSB.exe is killed when working.
* This issue is fixed in this package.

15.[-/-/-] Call Move feature is improved.

* If a first call of FMC user is released by answering a 3G call, the peer is not connected to MOH.
* In V5.0.1, moving call to 3G can be released.

16.[-/-/-] Nurse Call feature is added.

* SCME can be interworking with Nurse Call System via OS7500.
* SCME parses the called number to get Room and Bed number for a nurse call and the Room and Bed number is used for calling CID.

17. [-/-/-] Premium CID is expanded to a trunk call from a mobilephone of a user.

* If a calling CID of a trunk call is same to the mobilephone number of SCME user, SCME provides the premium CID of the user to the peer.

18.[-/-/-] Voice Quality Report Configuration Menu is added.

* Select whether to report the Mobile Phone’s Voice Quality Information to System
* Refer to ‘Voice Quality Report’ Option in [Configuration > Wireless Enterprise > Mobile Phone Profile]menu

19. [-/-/-]Add a Type Option of User Profile Field.

* Can specify attribute of Name Field.(used for Terminal)
* Refer to ‘Type’ Option in [Configuration > User Group >User Profile Field Name]menu

20. [-/-/-] International Call Forward / Call Transfer block service is added.

* By using international call prefix, operator can block a call forward or call transfer service.
* Refer to[Configuration > User Group >Change User Group > International call prefix]menu.

21. [-/-/-] International Call Inform feature is added.

* By using international call prefix, operator can receive international call attempt count.
* Refer to[Configuration > User Group >Change User Group > International call prefix]menu.
* Refer to ‘International Call Check Count’ and ‘International Call Check Duration(minute)’ in [Configuration >Miscellaneous> System options] menu.

22. [-/-/KOREA] Wrong called number display in [Call Management] menu is fixed when hunt call is failed.

23. [-/-/MIA] Long Duration Call caused by call release fail is fixed.

24. [-/-/-]FMCoptions are added

* [CONFIGURATION > User Group > Change User Group > Options]

‘Photo Size in Premium CID’ option is added.

* [CONFIGURATION > User > User Profile]

‘Priority in Same Position’ option is added.

* [CONFIGURATION > Miscellaneous > System Options]

‘LDAP-Display Number Option’ option is added.

* [CONFIGURATION > User Group >User Profile Field Name]

‘Display On Phone’ option is added.

## New Version 5.0.0.x Changes:

 **V5.0.0.7**

**< Upgrade Cautions !>**

1. **Removed “None” option for SIP Registration Authentication**

**- ‘None’ option of Authentication Method at [User Group > Change User Group > Information] was removed.**

**- When upgrading the SCM of V4.X or under version using ‘None’ option, it will be changed to ‘Internal’. Pay attention to the followings.**

**(1) OfficeServ Gateway**

**▪ Representative Trunk: Set Auth Username and Auth Password at [5.2.13 SIP Carrier Options] and [5.2.14 SIP Users]**

**• Auth Username : Must be identical to [Trunk Routing > Route] Authentication User Name**

**• Auth Password : Must be identical to [Trunk Routing > Route] Authentication Password**

**▪ Each Trunk (ex: PRI) :Set Auth Username and Auth Password at [5.2.14 SIP Users]**

**• Auth Username : Must be identical to [Trunk Routing > Route] Authentication User Name**

**• Auth Password : Must be identical to [Trunk Routing > Route] Authentication Password**

**▪ FXS : No need to configure as profile is downloaded**

**(2) iBG Gateway**

**▪ Representative Trunk :Set authentication username and password of sip-ua**

**• username : Must be identical to [Trunk Routing > Route] Authentication User Name**

**• password : Must be identical to [Trunk Routing > Route] Authentication Password**

|  |
| --- |
| 2006.60# show running-config... voip-gateway  host domain-name ug1.scm.com  bind control interface ethernet 0/3  bind media interface ethernet 0/3  rtp payload-type nte 101  call-server    ip-address ipv4:10.251.191.232    gw-uri gw2006 expires 60    exit call-server  sip-ua    **authentication username gw2006 password \*\*\*\*\***      offer call-hold dir-inactive    disable-star-contact    reason-header override    present-indicator    no shutdown    exit sip-ua  no shutdown  exit voip-gateway**☞If username and password does not exist, set as follows.**2006.60# **configure terminal**2006.60/configure#  \*May 07,2014,10:31:01 #PARSER-warning: samsung entered configuration mode FROM SERIAL2006.60/configure# **voip-gateway**2006.60/configure/voip-gateway# **shutdown ☞‘shutdown’before setting**2006.60/configure/voip-gateway#  \*May 07,2014,10:31:32 #EVENT-critical: Connection fails between system and SIP entity RAISE \*May 07,2014,10:31:32 #SIP-notification: VoIP Gateway Stopped2006.60/configure/voip-gateway# **sip-ua authentication username {gwname} password {1234}**2006.60/configure/voip-gateway# **no shutdown ☞‘no shutdown’after setting**2006.60/configure/voip-gateway#  \*May 07,2014,10:32:08 #SIP-notification: VoIP Gateway Started  |

**▪ Each Trunk or FXS : No need to configure as profile is downloaded**

**(3) 3rd party phone**

**▪ Access to the phone and set authentication ID and authentication password**

**• authentication id : Must be identical to [User > Single Phone User / Multi-Phone User] Authentication User ID**

**• authentication password : Must be identical to [User > Single Phone User / Multi-Phone User] Authentication Password**

**< Notice on location service !>**

1. **Location service of WE VoIP and WE VoIP Pro apps**

**WithSCMversion 5.0.0.7 or later, WE VoIP and WE VoIP Pro apps (FMC apps) can provide Mobile Phone Location Service. Because using the location information is restricted by the laws and regulations, the administrator or the operator of the SCM MUST inspect the laws and regulations and take legal procedures before deciding to use the location service. As a system default, the location service is “not to use”.**

1. [-/-/-] Deleted Default Password of subscriber
* In Configuration Wizard, Profile Password, Application Password, PIN Number, Authentication Password of subscriber are not inputted automatically. You must input subscriber password in Single Phone User, Multi-Phone User and Multi-Extension Phone menu.
1. [-/-/-] Added FMC Register Expire Minimum (sec) and FMC Register Expire Maximum (sec).
* Perform Registration processing based on Register Expire times for FMC.
1. [-/-/-] Added Register Authorization Validation Interval (sec).
* Perform registration processing without 401 resp.
1. [-/-/-]In SCM Administrator, there are some changes in Phone Setting > File Upload.
* WE VoIP(FMC) was removed. User can download through google market.
* WE VoIP Logo image file was added. User can change logo files.
* WiFi Agent was added. User can download through SCME system.
1. [-/-/-]File Management function is added.
* Single file and compressed file for multiple files can be uploaded by SCM Administrator, Personal Web Page and FMC phone.
* Additional commands are provided in the [MANAGEMENT > Photo File Management] menu.
1. [-/-/-] Premium CID is added.
* Additional information and image of peer party are provided to the authorized users.
* How to display depends on the phone.
1. [-/-/-] PUSH service for iOS FMC is implemented
* iOS FMC can receive push message for incoming call by APNS.(Apple Push Notification Service)
* This service is working with iOS FMC that have push functionality.
1. [-/-/-] Presence service Function for FMC is added
* Support services to search and setting for presence of FMC terminal.
1. [-/-/-] Location service Function for FMC is added
* Support services to search and setting for location of FMC terminal.
1. [-/-/-]Search service of employee information by LDAP protocol is added
* Employee information of system is provided by LDAP protocol on FMC.
1. [-/-/-]Authentication Function for WiFi Agent Application on FMC is added
* SCM authenticate the FMC terminal for using WiFi Agent Application.
* For Authentication, system check the MAC address, ID and Passwords of FMC.
1. [-/-/-] In Activation Key menu, the items were added
2. [CONFIGURATION > Phone Setting > File Upload]
3. The items of “LDAP Client(Premium CID)”, and “WiFi Agent” were added
4. [-/-/-] Leaving Office Class of Service was added
5. [CONFIGURATION > Service > Feature Service > Class of Service]
6. Provide class of service when subscriber leaves of office.
7. This feature support restriction policy only.
8. [-/-/-] Code Signing with Verisign Certificate about Admin and PWP
* Expiration Date : 2017/3/17
1. [-/-/-]Though you use public IP with private IP, you need only input the public IP for running admin
2. [-/-/STA]Emergency Group Call’s Location Based Routing rule changed.
3. When user uses emergency call which configured emergency group, SCM use originator’s location to provide Location Based Routing (LBR).

Before this version, SCM use conference server’s location to provide LBR.

1. [-/-/-] Force subscriber (mailbox) to change default password.
2. SCME does not force to change default password of mailbox and many subscriber does not change the password or use simple combinations, so it’s vulnerable to illegal use.
3. If subscriber login with a default mailbox password, SCME doesn’t allow to use mailbox before changing the password.
4. [-/-/-] Changed Out Call options of Extension Class.
5. [-/-/-]In SCM Administrator, Route menu was changed.
6. Option fields in Route menu are divided as follows:

 : Basic Configuration, SIP Registration, Additional SIP, Trunk Service,

Interworking, Number Translation

1. Create dialog is same with Change dialog.
* Each sub menus are displayed in tab dialog and user simply input Basic Configuration when create a route.
1. [-/-/-](Security Issue) Buildup of security for Admin login user
2. When log-in, user must change the default password.
3. Password should be more than 10 characters in case of three combination of letters, numbers or special characters. And it should be more than 8 characters in case of two combination of letters, numbers or special characters.
4. If user input wrong password as many as [Password Lock Count], user will not able to log-in during [Password Lock Time]. And in that case, the PASSWORD\_ERROR history will be remained in [Access Permission > History > Login History].
5. The default value of [Forced Password Change] option was changed to “Yes”.
6. [-/-/-](Security Issue) Removed the default password in create dialog when create users
7. In create dialog of user, there will not be default value.

: Application Password, PIN Number, Authentication Password, Profile Login Password

1. After creating users in Wizard, there will not have password. So user should input the passwords .
2. [-/-/-](Security Issue) Removed “None” option for SIP Registration Authentication
3. ‘None’ option of Authentication Method at [User Group > Change User Group > Information] was removed.
4. When upgrading the SCM of V4.X or under version using ‘None’ option, it will be changed to ‘Internal’. Pay attention to the followings.

(1) OfficeServ Gateway

▪ Representative Trunk : Set Auth Username and Auth Password at [5.2.13 SIP Carrier Options] and [5.2.14 SIP Users]

• Auth Username : Must be identical to [Trunk Routing > Route] Authentication User Name

• Auth Password : Must be identical to [Trunk Routing > Route] Authentication Password

▪ Each Trunk (ex: PRI) : Set Auth Username and Auth Password at [5.2.14 SIP Users]

• Auth Username : Must be identical to [Trunk Routing > Route] Authentication User Name

• Auth Password : Must be identical to [Trunk Routing > Route] Authentication Password

▪ FXS : No need to configure as profile is downloaded

(2) iBG Gateway

▪ Representative Trunk : Set authentication username and password of sip-ua

• username : Must be identical to [Trunk Routing > Route] Authentication User Name

• password : Must be identical to [Trunk Routing > Route] Authentication Password

|  |
| --- |
| 2006.60# show running-config... voip-gateway  host domain-name ug1.scm.com  bind control interface ethernet 0/3  bind media interface ethernet 0/3  rtp payload-type nte 101  call-server    ip-address ipv4:10.251.191.232    gw-uri gw2006 expires 60    exit call-server  sip-ua    **authentication username gw2006 password \*\*\*\*\***      offer call-hold dir-inactive    disable-star-contact    reason-header override    present-indicator    no shutdown    exit sip-ua  no shutdown  exit voip-gateway**☞ If username and password does not exist, set as follows.**2006.60# **configure terminal**2006.60/configure#  \*May 07,2014,10:31:01 #PARSER-warning: samsung entered configuration mode FROM SERIAL2006.60/configure# **voip-gateway**2006.60/configure/voip-gateway# **shutdown ☞‘shutdown’ before setting**2006.60/configure/voip-gateway#  \*May 07,2014,10:31:32 #EVENT-critical: Connection fails between system and SIP entity RAISE \*May 07,2014,10:31:32 #SIP-notification: VoIP Gateway Stopped2006.60/configure/voip-gateway# **sip-ua authentication username {gwname} password {1234}**2006.60/configure/voip-gateway# **no shutdown ☞‘no shutdown’ after setting**2006.60/configure/voip-gateway#  \*May 07,2014,10:32:08 #SIP-notification: VoIP Gateway Started  |

▪ Each Trunk or FXS : No need to configure as profile is downloaded

(3) 3rd party phone

▪ Access to the phone and set authentication ID and authentication password

• authenticationID : Must be identical to [User > Single Phone User / Multi-Phone User] Authentication User ID

• authentication password : Must be identical to [User > Single Phone User / Multi-Phone User] Authentication Password

1. [-/-/Italy]Fixed a bug of ACD Agent in Customer Data Import/Export
2. Fixed that when user delete all data of ACD Agent in Customer Data Import/Export, actually data are deleted but it looks as if not deleted because screen is not refreshed.
3. [-/-/USA]Fixed a bug of change dialog in VMAA
4. Fixed that when change dialog is opened automatically after creating in Open Block or Prompt menus of VMAA, the change dialog is popped up behind main window. (It occurs with java7).
5. [-/-/Australia]Fixed the problem that registration from a 3rd party SIP phone which does not use ‘<’ and ‘>’ in SIP URI is rejected and its IP address is registered in Unauthorized SIP ACL list.
6. [-/-/-] Fixed OpenSSL TLS Heartbeat Read Overrun
7. Openssl 1.0.1c was recompiled with –DOPENSSL\_NO\_HEARTBEATS options.
8. [-/-/USA](Fixed in V4.1.0.4 P3) Login page of SCM Personal Assistant in Internet Explorer 11.
9. It was fixed that the login page was redirected to PWP login page not to SSO login page when user connects to SCM Personal Assistant through Internet Explorer 11.
10. [-/-/USA](Phone V02.52 or later) Fixed the problem that while using a Transfer to Voicemail key with BLF, call does not transfer to mailbox.
11. [-/-/MIA]Deactivated [Update] button in Customer Data Import/Export
12. It was fixed that the [Update] button is not activated in some menus of Customer Data Import/Export : Account Code, DISA Approval CLI Number, Room Information

## New Version 4.1.4.x Changes:

 **V4.1.4.5**

1. [-/-/USA][STA] Added Ring Plan Override Set/Cancel button type.
* Ring Plan Override Set/Cancel key added. User can see the LED on when currently working Ring Plan Type. Also, if user presses the set/cancel button, Ring Plan can be overridden or canceled.
1. [-/-/Korea] In SCM Administrator, user can export or import Excel file with Excel 2007 (\*.xlsx).
* User can click [Excel] button in each menu pages and export with Excel 2003(\*.xls) or 2007(\*.xlsx).
* User can execute Customer Data Import/Export with Excel 2003(\*.xls) or 2007(\*.xlsx).
1. [-/-/Korea] In SCM Administrator, help menu is added.
* User can click [Help] button in each menu pages and help dialog will be poped up.
* User can execute help dialog in [Help > Help] in top menus.
1. [-/-/Korea] In SCM Administrator, version will be checked between system and SCM Administrator.
* If the version of SCM Administrator execute file in user's PC is not compatible with the version of system, warning message box will be popped up.

<Warning Message>===========================================

SCM Administrator's version is not matched with System version.

(Current Version: 4.1.0.4, Compatible Version: 4.1.4.3)

For downloading Administrator, click [Delete files] and uncheck [Keep temporary files]

in [Control Panel > Java > Temporary internet files >

==========================================================

1. [-/-/Korea]DID/CLI input method improvement.
* asterisk(\*) -> X
* '\*' Actual value using the keypad on the included '\*' DID / CLI allows you to register Any Number '\*' from 'X' to change the meaning.
* '\*' Upgrade the existing version is automatically changed in the 'X'
* Allow only upper case 'X' is
* Related DB

1) DID Routing

2) CLI Routing

3) Inbound MCN

4) Outbound MCN

5) Local Based MCN

1. [-/-/Korea][ROKA] Multi-ring member display option.
* It is displayed with the following by options.

1) [Options > Multi-ring Member Display] = Multi-ring

-> Multi-ring + Multi-ring Pilot Number (ex. Multi-Ring 1000)

2) [Options > Multi-ring Member Display] = Calling Number

-> It is same as normal call

1. [-/-/Korea][R5] CID Display Option.
* CO line calls in the calling terminal to receive a Re-INVITE according to the options on the display of the information reflected in the calling terminal

1) [Options > Dialing Number Display for Outgoing] = Peer Info

-> Information of the other party (Re-INTITE/200OK the PAI) will be reflected in the calling terminal of the Display

2) [Options > Dialing Number Display for Outgoing] = Dialing Number

-> Information of the other party (Re-INTITE/200OK the PAI) will not be reflected in the calling terminal of the Display

1. [N130903005/-/Korea]ACD Wallboard Interoperability function is added.
* To interwork ACD Wallboard, license has to be entered in the [CONFIGURATION > Miscellaneous > Activation Key] menu.
1. [-/-/Korea]CSTA link management policy based on new license(Activation Key)
* When a license update message is received, oldest links are cleared up to the excess count.
1. [-/-/India]Call Restriction by Class of Service
* Call Restriction by Class of Service is extended to trunk calls and service calls.
* In case of conferences, COS of master is compared to the COS of attendees. Owner of a conference is a master for the conference. If there is no owner, a calling party can be a mater of the conference.
1. [-/-/Korea] [Send Extension Number Usage] is added.
* [Send Extension Number Usage] in the [CONFIGURATION > User Group > Service Group] menu has meaning when {Send Extension Number] is used for a call between different service groups.

1) With Service Group Code: Service Group Code is prefixed to [Send Extension Number] as a calling number when a call is setup between different service groups.

2) Without Service Group Code: For a call between different service groups [Send Extension Number] is used as a calling number without prefix.

1. [-/-/Korea]The problem that can't connect Admin GUI is fixed.
* When users received not found result using Directory Service frequently, problem that administrator can't access Admin GUI is fixed.
1. [-/-/Korea] Added the feature code for Hot Desking Logout.
* Added [CONFIGURATION > Service > Feature Service > Feature Code > Hot Desking Logout]
1. [-/-/Korea] All Hot Desking logout at a specified time.
* Added [CONFIGURATION > User Group > Change User Group > Options > All Hot Desking Logout]
* Added [CONFIGURATION > User Group > Change User Group > Options > All Hot Desking Logout Time]
1. [-/-/USA][STA] Emergency Call is blocked by SCM Lock services.
* Emergency call proceeds ignoring following lock services that SCM provides.

1) 'Extension Lock' in [Configuration > User > Single Phone User/Multi-Extension User] menu.

2) 'Outbound Lock' in [Configuration > Service > Feature Service > Service Activation] menu.

3) 'Route Lock' in [Configuration > Trunk Routing > Trunk] menu.

1. [-/-/Korea]Release announcement problem in Transfer case.
* When Outgoing-only FMC user performs call transfer, and transfer target doesn't respond the call, SCM sends release announcement after 35 seconds.
* After this problem is fixed, SCM sends release announcement immediately.
1. [-/-/Korea]A name of User Profile/Single Phone/Service Activation is updated by LDAP Server.
* Added [Configuration > User Group > Change User Group > Options > LDAP Server Update Option]

1) Not Use: A name of User Profile is updated by LDAP Server.

2) Name Update: A name of User Profile/Single Phone is updated by LDAP Server.

3) Call Forward for Unregi : Call Forward Unreachable of Service Activation is updated by LDAP Server.

4) Name and CFUR: A name of User Profile/Single Phone & Call Forward Unreachable of Service Activation is updated by LDAP Server.

1. [-/-/Korea]Display of latest time of Inter-SCM database synchronization.
* Added [Configuration > Inter-SCM Setting > Database Sync. > Last Sync Time]
* 'Last Sync Time' is displayed time of inter-scm database synchronization by schedule.
1. [-/-/Korea] Fixed to change subscriber extension number.
* [CONFIGURATION > User > Single Phone User / Multi Phone user] Extension Number can change.
* If changed extension number, the service that serviced for subscriber will be deleted.
1. [-/-/Korea] Extended maximum child department count for one parent department from 36 to 200.
2. [-/-/Korea] Fixed to delete fail in User Group menu.
3. [-/-/Korea][KISA]Select the use of http/https or only https for Web Access Protocol (SMT-i5343).
* Added [CONFIGURATION>User>Single Phone User> Web Access Protocol]
* Added [CONFIGURATION>User>Multi-Extension Phone> Web Access Protocol]
1. [-/-/Korea] Select to whether to logging a Call for Redial.
* Added [CONFIGURATION>Phone Setting> Phone Configuration > Call Log for Redial]
1. [-/-/Korea] Select the use of EHS Headset
* Added [CONFIGURATION > User > Single Phone User >EHS Headset]
* Added [CONFIGURATION > User > Multi-Extension Phone >EHS Headset]
1. [-/-/Korea] When the CDR data Send, Improvements in order to send the file creation.(TCP, FTP)
2. [-/-/Korea][KISA]Encryption of login password
* In case of create/change password, when you meet the two conditions among English/number/special character, the password must be 8 characters at least. When you meet the three conditions among English/number/special character, the password must be 10 characters at least.
1. [-/-/Korea][KISA]The feature to change default password when you login Admin.
* When you login with default password, you can login after you change the password.
1. [-/-/Korea][KISA]The feature to lock login password
* Added [Management > Access Permission > Account List > Password Lock Count]

'Password Lock Count' is count of password lock to login.

* Added [Management > Access Permission > Account List > Password Lock Time(Minute)]

'Password Lock Time' is time of password lock to login.

1. [-/-/Korea] Fixed LDAP Server Daemon killed.
* When size of the log file used by the LDAP daemon increases continually, LDAP daemon is killed.Function to check the size of the log file and to restart daemon when daemon is abnormal state is added.
1. [-/-/USA][STA] Fixed the problem that after a system upgrade, data of "Mobile service options" is deleted.
* After a system upgrade (upgrading from a version of V3.2.4.x earlier), a part of the data is not properly update. Fixed.
1. [-/-/Korea] Fixed the problem that the data of ‘User Profile’ is deleted when changing the subscriber’s information.
* Fixed the problems that the information of [CONFIGURATION > User > User Profile] is deleted.
1. [-/-/Chile] Added the Function to create a MAC profile of FMC phone.
* In the case of a FMC Phone can not read mobile number from the USIM card, system will create a MAC profile by entering the MAC address at subscriber information for provisioning.
* Refer to [CONFIGURATION > User > Single Phone User > MAC Address]
1. [-/-/Korea] Complement the Database sync. Function of Inter-SCM Menu.
* If there is an schedule in ‘database sync’ Menu, after the operation of ‘Now’ sync, system will continue to maintain the existing schedule.
* Refer to [CONFIGURATION > Inter-SCM Setting >Database Sync.]
1. [-/-/Korea] Fixed the problem that Click-To-Dial function (only for Samsung MySingle Program) does not work in a multi-line phone (user type:secretary).
* Click-To-Dial function works only when the "user type" is manager.
* So In the case of all phones that are registered "user type" is secretary, Click-To-Dial function does not work.
* Resolve: If there is no manage type, Phone at the top in the ‘Phone’ window of Multi-Phone User men will work.
1. [-/-/USA][STA] Fixed Problem that SCM cannot create a profile.(boot profile)
* When version string of phone has the space character, SCM cannot create boot profile. Fixed.
* Refer to [CONFIGURATION > Phone Setting > Software Upgrade Configuration ]
1. [-/-/Korea] Added Configuration Menu for FMC.
* Configuration menu is added. (Rx port number of SIP message for FMC)
* Added [CONFIGURATION > Wireless Enterprise > Mobile Phone Profile >SIP Rx (public) Port]
1. [-/-/Korea][R5] Fixed problem that DMB killed.
* If extension number has non-digit character when subscriber information is added by ADMIN (GUI), DMB killed.
1. [-/-/USA][STA] Fixed problem that the prompt binary data(for conference) is not copied into SCM.
* If there's a blank character in the installation directory name, scm cannot copy the binary file to the directory specified.
1. [-/-/Korea] New License Policy (SLM) was introduced.
2. [CONFIGURATION > Miscellaneous > Activation Key]
3. The period was applied to each item
4. The licenses of all terminals(Samsung Soft Phone for Windows, Samsung FMC, Samsung PC Attendant, 3rd-Party SIP Phone)are available for Samsung SIP Phone
5. The priority is next. Valid New Activation Key > Valid Old License > New Activation Sample
6. [-/-/Korea] In Main Monitor menu, the display method of graph was changed.
7. [PERFORMANCE > Main Monitor]
8. The graph reached the right end, X-axis move to the left
9. [-/-/Korea] In File Upload menu, the item of [current version] was added.
10. [CONFIGURATION > Phone Setting > File Upload]
11. When selected [Phone Info], the phone image file version in system be displayed
12. [-/-/Korea] Phone Registration by Type menus was added.
13. [PERFORMANCE > Statistics > Phone Registration by Type > To Reg]
14. [PERFORMANCE > Statistics > Phone Registration by Type > To Unreg]
15. The changes(reg->unreg, unreg->reg) statistics of registration status is displayed by phone type
16. [N130903005/-/Korea] Added ACD Reports Type.
* Provide statistical information in 15-minute intervals for ACD calls.
* Added [PERFORMANCE > Statistics > ACD Groups > System Summary]
* Added [PERFORMANCE > Statistics > ACD Groups > Group Summary]
* Added [PERFORMANCE > Statistics > ACD Groups > Overflow]
* Added [PERFORMANCE > Statistics > ACD Agents > Summary]
* Added [PERFORMANCE > Statistics > ACD Agents > Utilization]
1. [-/-/Korea] Fault History display reference change.
* Fault history is arranged in order of occurrence.
* If a fault occurs at the same time, display in order of occurrence.
1. [-/-/Korea][KISA]Added DRBG Random Variables Generation.
* Added [Configuration > Miscellaneous > System Options > Process DRBG Renewal Cycles]
* If the option value is more than 0, random variables for sRTP crypto generate by DRBG method
* This option value is renewal cycles for DRBG Random Variables Generation.
1. [-/-/Korea] Changed Called Device Number when using Service Group Prefix.
* When Service Group Prefix is used, dial number about station to station call in same service group is Station Number.Also Called Device Number of CSTA Event was Station Number.
* This Called Device Number has been changed to Extension Number.
1. [-/-/Korea] Added InterSCM Smart Routing Statistic.
* Added [PERFORMANCE > Statistics > System Service > Smart Routing(Internal)]
* Added [PERFORMANCE > Statistics > System Service > Smart Routing(External)]
* Smart Routing Statistics has been specialized into the Internal and External.
* Smart Routing (Internal) is statistics about the same system smart routing.
* Smart Routing (External) is statistics about system-to-system smart routing.
1. [-/-/Korea] APCB's TLS was modified because APC’s TLS was updated.
2. [-/-/Korea] Issue about Smart H/O Out only.
* If call is terminated after Smart H/O Out by user configured “Smart H/O Out only”, Call monitoring information is remained in APC.
* This issue occurs when user's option is set to "Smart H/O Out only".
* This issue is modified in this patch.
1. [-/-/SEI] the calls to any HUNT GROUP has no answer

- When [Maximum Waiting Call Count] of Hunt Group is set , the problem that a call to the Hunt Group has no answer if all members of the Hunt Group are unavailable because of other reason except all-busy is solved.

## New Version 4.1.2.x Changes:

 **V4.1.2.5**

1. [N130903005/-/-]Added Hunt Type "Equal".
* Added [Configuration > Service > Group Service > Hunt Group > Hunt Type > Equal]
* Provides services hunt group as well as incoming to the pilot number be transferred to member number.
* Equal Hunt group members can not belong to another equal hunt group.
1. [N130906001/-/-]Added External Application Server A/A Function.
* If a first external application server were unregistering, the service would be offered by a second external application server.
* [CONFIGURATION > Application >Application Server Service Group]
* [CONFIGURATION > Service > Group Service> Hunt Group]
1. [N130903002/-/-][OS7500/OS7600] En Bloc dialing feature added to the OS7500/OS7600 Gateway.
2. [-/-/-]Added ‘Pickup Call Yes or No’ in CDR Data.
* An ‘Pickup Call Yes or No’ item was added in the CDR data. In case of pickup call’, the 35th item of the CDR data would be set 1.
1. [-/-/-][China] Add Callee number translation function on mySingle Click to Dial.
2. [-/-/-]Answer Time / Call Duration if there is no value added options that do not transfer the CDR data.
* Added [ADMIN > MANAGEMENT> CDR Storage Options>CDR Option> Non-billing CDR Send]
1. [N130903001/-/-]Changed the Hot Desk Expire Time (Maximum: 9hour -> 24Houre).
* [CONFIGURATION > User> User Service Timers>Hot Desk Expire Time]
1. [-/-/-]Added "TLS Connection Reconnect" feature.
* Added [CONFIGURATION > Trunk Routing > Route>TLS Connection Reconnection] [Default: Disable]
1. [-/-/-]Display of un-registration time in Admin/PERFORMANCE/Registration Status/Registration Status Menu.
2. [-/-/-]Early Media maintenance service.
* Added [Configuration > Trunk Routing > Route > Use Real Ringback]
* When you call outgoing trunk line, it ignore received 180 after the first 183.
1. [-/-/-]CSTA Queued Event not publishing.
* CSTA Queued event abnormally not publishing when whenInbound call was sent to ACD Group by Blind Transfer.
1. [-/-/-]Abnormal CSTA Fail Event.
* In case of Active-Active mode, abnormal Universal Fail event occur when CSTA application commands ACD Group to divert.
1. [-/-/-]A change of [Send Extension Number] usage.
* When [Service Group Local CLI Number] is configured as “Station Number”, [Send Extension Number] is used within a Service Group. If a call is made to a different Service Group, [Service Group Code] is used in front of [Send Extension Number].
1. [-/-/-]Auto-Attendant Greeting Scenario by DID.
* Fixed cannot change AA Greeting scenario by inbound call DID.
1. [-/-/-]In case of Hunt No Answer Time being set to 0, fixed disconnected problem after 1 sec ringing to one member.

## New Version 4.1.0.x Changes:

 **V4.1.0.4**

1. [-/-/-][Chile] Fixed a create fail in Meet Me Conference Reservation with “Reservation failed. Try again” error message.
2. [-/-/-] Add a ‘Default Access Code Use List’ function.
* [User Group > Change User Group > Options > Use Default Access Code Use List]
* [Trunk Routing > Default Access Code Use List]
* When “Use Default Access Code Use List” is enabled, routing step is changed.
1. when the called number match "Default Access Code Use List",SCM adds Default Access Code for called number.
2. when the called number not match "Default Access Code Use List", SCM does not add default access code.
3. [-/-/-] add option menu : encryption for Profile password
* [Miscellaneous > System Options > Encryption For Profile Password]
* If this option set “Enable”, password string in all profile is encrypted by AES encryption method.
* Compatible version : SIP Phone V02.44 ~
1. [-/-/-]Added a ‘Disconnect Tone Time’ function for when finished Intercom, Paging or Paging On Answer.
* [CONFIGURATION >User > User Service Timers >Speaker Disconnect Tone Time(sec)]
* [CONFIGURATION > User > User Service Timers > Handset Disconnect Tone Time(sec)]
1. [-/-/-]Added a 'Call Waiting' function that call is waited in Hunt Group when all membersare busy.
* [CONFIGURATION > Service > Group Service > Hunt Group > Maximum Waiting Call Count)
1. [-/-/-] Changed License Policy – Removed [Wireless Enterprise] license key type
* [CONFIGURATION > Miscellaneous > License]
* Removed the license check about “FMS Phones”, “Remote Dial Phones”
1. [-/-/-] Added ‘FMC Caller Screen Phrase’ configuration menu
* [CONFIGURATION > Wireless Enterprise > Mobile Configuration > Miscellaneous Mobile Config]
1. [-/-/-] ‘Phone Logut’ Phone Key Added.
* [CONFIGURATION > User > Phone Key Programming / AOM Key Programming]
1. [-/-/-]‘Move to Mobile’ Phone Key Added.
* [CONFIGURATION > User > Phone Key Programming / AOM Key Programming]
1. [-/-/-]‘Other User MWI’ Phone Key Added.
* [CONFIGURATION > User > Phone Key Programming / AOM Key Programming]
1. [-/-/-] Added ‘Route-Time-Inbound/Outbound’ statistics menu
* [PERFORMANCE > Statistics > Route > Route-Time-Inbound]
* [PERFORMANCE > Statistics > Route > Route-Time-Outbound]
* Rather than route basis, it offers multiple routes statistics of time basis
1. [-/-/-] Added ‘Route-Item-Inbound/Outbound’ statistics menu
* [PERFORMANCE > Statistics > Route > Route-Item-Inbound]
* [PERFORMANCE > Statistics > Route > Route-Item-Outbound]
* Rather than route basis, it offers multiple routes statistics of item basis
1. [-/-/-] OS7400/OS7200 support TLS 1.2 and DM 5.2.12 TLS version option is added
2. [-/-/-] OS7400/OS7200/OS7100/OS7070 DB is not compatible with previous versions. Backup DB before PKG upgrade and resotre DB after PKG upgrade.
3. [-/-/-] Improved CLI for ForwardedCallby Phone User
4. [-/-/-] Desk Phone Simultaneous Ring Delay
* The WE VoIP, 3G Mobile and desk phones can ring simultaneously through multi-ring or multi-device service. In that case, the ring start time of the desk phone can be delayed.
1. [-/-/-] The master of predefined conference can be changed through ‘TRANSFER’ key.
2. [-/-/-] If a multi-ring member is busy, the incoming call for multi-ring master can be rejected.
3. [-/-/-] The NFC Move to Mobile, Move to Desk and NFC Pickup features are supported through the mobile which was not set to [NFC Mobile Phone Name] temporarily.
4. [-/-/-] Using SIP PeeringamongSCMs, Subscriber’s Mobile Number can be smart routed.
5. [-/-/-] Added IP Zone Restriction at COS
6. [-/-/-] Ring Plan Schedule is extended to a maximum of 300 depending on the capacity of the system.
* Ring Plan Schedule can be created to a maximum of 300 depending on the capacity of the system in [CONFIGURATION > Time Schedule > Ring Plan Schedule] menu.
* Created Ring Plan Schedule can be used to allocate to each function in next menu.

[CONFIGURATION > Trunk Routing > Toll Restriction Policy > Ring Plan Schedule]

[CONFIGURATION > Trunk Routing > CLI Routing > Ring Plan Schedule]

[CONFIGURATION > Trunk Routing > DID Routing > Ring Plan Schedule]

[CONFIGURATION > Service > Group Service > Operator Group > Ring Plan Schedule]

[CONFIGURATION > Service > Group Call Forward > Ring Plan Schedule]

[CONFIGURATION > User Group> Service Group > Auto Attendant Ring Plan Schedule]

[CONFIGURATION >Service > Group Service > Hunt Group > Auto Attendant Ring Plan Schedule]

[CONFIGURATION >Application> ACD > Auto Attendant Ring Plan Schedule]

1. [-/-/-]Added a Other User MWI button to monitor the other user’s voice mail.
2. [-/-/-]When upgraded from the SCME V4.0 or earlier versions, the conference prompts and alarm audios will be re-initialized while adding Spanish (for Latin America) audio resources. If you had applied your own wav files, you need to upload them again - though Admin GUI - after the upgrade.
3. [-/-/-] Up to 60-party Gateway Predefined conference is possible with a Gateway conference mixer.
4. [N130401006/-/-] Outbound Call Transfer Restriction
* Add [Configuration > Service > Feature Service > Class of Service > Call Transfer Restriction Policy]
* If [Call Transfer Restriction Policy] has been set, Subscribers not be able to call transfer to external, regardless of normal restriction policy of their own and others.
1. [-/-/-] Setting CSTA Base Port
* Added menu for CSTA port setting [Miscellaneous > System Options > CSTA Base Port]
1. [N130214002/-/-] Setting CLI for ForwardedCallby Phone User
* Add [Single Phone User/Multi-Phone User>CLI for Forwarded Call]
1. [-/-/-] CFUR Service Schedule
* Add ‘CFUR Service Schedule’ Field in [Configuration > User Group > Service Group].
* If ‘CFUR Service Schedule’ selected the time zone, service is operated in the selected time zone. If ‘CFUR Service Schedule’ do not select, the CFUR function will be served regardless of the time zone.
1. [-/-/-] mVOIP Statistics
* Add [Performance> Statistics> System Service> Mobile Call]
* Add [Performance> Statistics> Phone Usage by Type> Internal Outgoing/ Internal Incoming/ Outbound / Inbound / Total Usage]
* Collect usage by terminal type.
* Samsung Mobile Phone Type of statistics are collected by FMC access networks. (FMC access Network : Internal Wifi /External Wifi/ mVoip(Mobile)/ Unknown)
1. [-/-/-] Limit function of TCP CDR duplication Submit
* Improvement of phenomenon received the same CDR data is duplicated on the billing server youare using the TCP Interface accounting method.
* Existing TCP transfer method is that if the billing server is connected, to transfer billing data in real time and to save the data in internal storage files, to retransmits the data periodically. If the billing server is disconnected, without having to transfer in real time, save the data in the internal storage. If the billing server is connected, sends the data that was saved in the internal storage.
* A method that has changed is unlike the existing method. If the billing server is connected, send in real time, but does not save the data in internal file, so that duplicate data are not sent.
* Add the option to choose between the existing method or the a method that has changed. ([MANAGEMENT]>[CDR Storage Options]>[CDR Option]>[Duplicate CDR Send])
1. [-/-/-]Select TLS certificate Formats
* Add [Miscellaneous > System Options > SIP TLS Certificate Format]
* V4.1.0.0 or later version, you must upgrade to the [Miscellaneous > System Options > SIP TLS Certificate Format] option should be set to that used Format.
1. [-/-/-]Depending on the type of the outgoing CDR generation
* Add [ Management > CDR Storage Option> CDR Option> Use Billing Output List]
* Add [Management > CDR Storage Option> Set Billing Output]
* If [Use Billing Output List] has been set, CDR is created only for the Billing Output items set.
1. [N130409001/-/-]Add Phone Type for CDR
* The phone type of subscriber was added in CDR.
1. [-/-/-]Increase the number of Dial Plan Library for Service Groups
* The number of Service Groups and the number of dial plan library is created equal.
1. [-/-/-]Caller Ring Type
* [CONFIGURATION > User > Single Phone User/Multi-Phone Uer> Caller Ring Type > Phone Ring 1 ~ Phone Ring 30] Option Add.
* The ring is supported by the terminal operates with Caller Ring Type.
* Caller Ring Type can be changed via the Admin.
* If the value is greater than that supported by the terminal Caller Ring Type operates in the default Ring.
1. [-/-/-]OfficeServ 7500/7600(MAT) Auto Login
* Add [CONFIGURATION -> Gateway -> Gateway Link Setting -> Login IP Address(MAT), Login Password(MAT)]
* Execution [PERFORMANCE -> Fault -> Gateway Alarm Viewer -> Launch Manager]
* The ability to be able to automatically connect without a login screen when running the Administration Tool
1. [- /-/-] Add FMC Config menu
* [CONFIGURATION → Wireless Enterprise → Mobile Service Options → Logo File Path]
* Download path of the logo file of FMC Phone.
1. [- /-/-] Add IP Phone-function Config menu
* [CONFIGURATION → Wireless Enterprise → Mobile Service Options → Logo File Path]
* [CONFIGURATION → User → Single/Multi Phone User →

Resume after Transfer –Cancel/Telnet Access/WifiAceess]

1. [- /-/-] (only for Korea Site) Add Function that send authentication password data generated by random to SDS system
* [ CONFIGURATION -> Miscellaneous -> System Options ->'Generate Auth Password By Random]
1. [-/-/-] Add detection of Fax CNG tone for receiving fax
* [VM/AA → System Parameters → Fax Options → CNG detect for Fax]

If you set “Yes”, it is enabled to the feature of detection fax CNG tone

1. [-/-/-] Fix to PTR file feature(VM/AA)
* [VM/AA →Open Block Table -> Menu -> Menu Input Processor]
* Even though you select Action “Ptr”, it didn’t upload PRT file and work properly. It was fixed on this version.
1. [-/-/-] Add Mode block by expending System Ring plan Schedule (VM/AA)
* [Configuration →Time Schedule -> Ring Plan Schedule]
* If you add a new Ring Plan Schedule, Mode Block is added automatically in the [VM/AA → Open Block Table → Mode].
1. [-/-/-]Precautions to use a multiple Auto Attendant Server on same user group.
* Auto Attendant Server can’t allocate to the Application Service Group.
* If you want to use a Specific Auto Attendant Server when there is a multiple Auto Attendant Server, the Access Number of Auto Attendant Server is used instead of VM Access feature code.
1. [-/-/-]Changed WE License Policy – Removed [Remote Dial], Added [mVoIP]
2. [-/-/-]Added Extension/Route Statistics Group
* [PERFORMANCE > Statistics > Extension Statistics Groups > Extension Statistics Groups-Outgoing]
* [PERFORMANCE > Statistics > Extension Statistics Groups > Extension Statistics Groups-Incoming]
* [PERFORMANCE > Statistics > Route Statistics Groups > Route Statistics Groups-Inbound]
* [PERFORMANCE > Statistics > Route Statistics Groups > Route Statistics Groups-Outbound]
* [CONFIGURATION > Service > Group Service > Statistics Group]
* [CONFIGURATION > Service > Group Service > Extension Statistics List]
* [CONFIGURATION > Service > Group Service > Route Statistics List]
* It offers group statistics about configured extension/route statistics groups
1. [-/-/-]Regardless of system type, support user’s call statistics (maximum user count: 3,000)
* [PERFORMANCE > Statistics > User > User-Outgoing]
* [PERFORMANCE > Statistics > User > User-Incoming]
* [CONFIGURATION > Service > Group Service > Extension Statistics List]
* It offers user statistics about selected users
1. [-/-/-]Can change default Class of Service of User Group in Class of Service menu.
* In [Configuration > User Group > Change User Group > Information] menu, options for Class of Service was removed.
* In [Configuration > Service > Feature Service > Class of Service], you can change default Class of Service feature of User Group.
1. [-/-/-]Extended Intercom maximum count from 100 to 1000
2. [-/-/-]Added User Service Timers Menu
* Moved No Answer Forward Timer set menu from [Service Activation] to [Configuration > User > User Service Timers] menu
* You can set Customer Data Export/Import menu.
1. [-/-/-]Added a Move to Mobile button in next menu.
* [CONFIGURATION > User > Phone Key Programming / AOM Key Programming]
1. [-/-/-] Support TLS v1.2 and Added a option for selection TLS version.
* [CONFIGURATION > Miscellaneous > System Options > TLS Version]
1. [- /-/-] Added Media Option
* Add [Configuration > User Group ->Change User Group ->Information ->Media Option]
* If the option is ‘SRTP Only’, non-encryption call(RTP) is restricted
* If the option is ‘RTP Only’, encryption call(sRTP) is restricted
1. [-/-/-] Hunt group next hunting, Hunt group call forwarding
* Added [CONFIGURATION > User Group > Change User Group > Options > Hunt Group Member Service]
* When the new option enables, hunt group call operates as follows
1. When the first hunt group member doesn’t answer the phone in no answer time, the hunting is stop.
2. The hunt group members individually setting services will not be ignored, such as Call Forward No Answer, Multi-ring, Group Call Forward, operate its operation
3. [-/-/-] Change type of [Hunt Group > All Busy/Unavailable Destination]
* It changes in the method operator can type destination number, from the method of selecting the pilot number of the other hunt group from the combo box
* if the version-up all existing data is initialized, it is necessary for the operator to manually enter the destination after the backup.
1. [-/-/-] Phone display change when called party is busy
* If it disable release announcement and if called party is busy, change “release call” of the originating phone, to display “busy”
1. [-/-/-]The minimum digits (Default Access Code)
* Add ‘Min Digit(Default Access Code)’ field in [Configuration > User Group > Change User Group > Information].
* You can specify the minimum number of digits, the default access code function can operate.
1. [-/-/-]Subscribers error announcement
* Add ‘Error Announcement’ field in [Configuration > User > Single Phone User].
* Add ‘Error Announcement’ field in [Configuration > User > Multi-Phone User].
* If 'Error Announcement' is set to Enable, you can hear announcement on error.If 'Error Announcement' is set to Disable, you hear a tone corresponding to the error.
1. [-/-/-]Different Group Call Forward: Member of different group allowed by COS set forward
* Different Group Forward set menu from[CONFIGURATION > Service> Feature Service > Class of Service]
* Group Forward member set menu from[CONFIGURATION > Service>Group Call Forward
* A phone of different group member set ‘Feature Code + Destination Forward Number + \*(separator) + Number of Forwarded Group

## New Version 4.0.0.x Changes:

 **V4.0.0.8**

1. [-/-/-] Added Italian and Russian for setting phone language in Personal Assistant.
2. [-/-/-] When connect to Slave server with SCM Administrator, [Change] button is activated in Release Announcement, Service Announcement and MOH for uploading announcement files.

 **V4.0.0.7**

1. [-/-/-] Added ’Moved Call Pickup’ feature.
2. [-/-/-] Can create meet-me conference before 15 minutes instead of 1 hour.

 **V4.0.0.6**

1. [-/-/-] Improved LCD Display for NFC Service
2. [-/-/-] If NFC Pickup Call fails, SCM makes a call to original destination.

 **V4.0.0.5**

1. [-/-/-]Improved NFC Service
* The NFC Move to Mobile, NFC Move to Desk and NFC Pickup features are supported through the mobile which was not set to [NFC Mobile Phone Name].
* The NFC phone such as SMT-i5343 can answer the ringing call for a mobile.
1. [-/-/-]Add WE VoIP DND Forward Service.

 **V4.0.0.4**

1. [-/-/-]Added CTD(Click To Dial) on7400/7200/7100/7070 GW
2. [-/-/-]Added DTS on 7400/7200/7100/7070 GW

 **V4.0.0.2**

1. [-/-/-]Improved sending e-mail for Meet-me Conference
* Supports basic SMTP and TLS(Start TLS)
* Refers SMTP Server IP, Port and From Address in [Fault > E-mail Notification Setup]
* If there is no Auth User ID or Password, GUI does not send AUTH LOGIN.
* If Basic Authentication in e-mail server is On, User Name and Password must have value.
* If Basic Authentication in e-mail server is Off, User Name or Password should be blank.

 **V4.0.0.1**

1. [N120510003/-/-]Improved [Operating History] about administrator
2. [-/-/-]Added [System Service] Statistics (Mobile Remote Dial, Smart Routing, Smart Handover)
3. [-/-/-]Added function of decision about [Root URL Owner] (Admin / PWP) [STA VOC]
4. [-/-/-]Added GUI for Smart Routing Statistics
5. [-/-/-]Change Phone Display when ringing state.
6. [-/-/-][Outbound Media Option] added for the Conference System. The administrator can set “Yes” or “No” to specify offering RTP - as dual media - as well as SRTP in case the Conference Server offers SRTP. Default option is “Yes”.
7. [-/-/-][Account Class] added for SCM Administrator. Account class set the menu tree list(View) and if action buttons(Create/Change/Delete) are enabled or disabled.
8. [-/-/-]7400/7200/7100/7070 GW Active Active Provisioning Link
9. [-/-/-]Added Smart Handover function and Smart Handover Statistics
10. [-/-/-]Added a Function for Multi Button Setting (i5343)
11. [-/-/-]Added a Function for Multi Call Feature Setting (i5343)
12. [-/-/-]Added Remote Dial Statistics
13. [-/-/-]Added Option in Single Phone User Menu for changing to Multi Phone User/Multi Extension Phone. Changing multi-phone user to single phone user is not allowed.
14. [-/-/-]Added mobile Phone ‘TOS Control Value’ Option field

 **V4.0.0.0**

1. [-/-/-]FMC Smart Routing Service support Call Forward, Transfer Service.
2. [-/-/-]Added Forced CAC Override Function for Emergency Call.
3. [-/-/-]Added SPAM Call Block Function.
4. [-/-/-]When upgraded from the SCME V3.4 or earlier versions, the conference prompts and alarm audios will be re-initialized while adding Italian and Russian audio resources. If you had applied your own wav files, you need to upload them again - though Admin GUI - after the upgrade.
5. [-/-/-]Divert to Number Feature is Added
* When a desk phone is ringing, the FMC client who was set to ‘NFC Mobile Phone Name’ in the ‘single phone user menu’ for the desk phone can answer the call.
1. [-/-/-]A FMC client supports Shared Call Retrieve Service.
* - A FMC client can retrieve the call which was held by the same multi-device member.
1. [-/-/-] A FMC client supports Multi-Device Conference Service
* A FMC client can join the conference call that the same multi-device member is an existing member.
1. [-/-/-]A FMC client should answer automatically in case of Remote Dial or Remote Dial DISA call.
2. [-/-/-]A FMC client can cancel Remote Dial Service.
3. [-/-/-]The improvement of TLS performance
4. [-/-/-]Added LDAP server Feature
5. [-/-/-]Database Backup Option is added.
* Configuration of database backup file count in the backup directory is added.
* [ CONFIGURATION -> Miscellaneous -> System Options -> Database backup Total File Count]
1. [-/-/-]available codec for FMC is added(G.729/G.722)
* [ CONFIGURATION -> Wireless Enterprise -> Mobile Configuration -> Codec Priority]
1. [-/-/-]Added Phone’s programmable key (‘Deflect to VM’ key)
2. [-/-/-]’Input Number Display’ option is added ( during conversation)
* [CONFIGURATION -> User -> Single Phone User -> Input Number Display]
1. [-/-/-]When displays version of Admin, version of system will be displayed [STA VOC]
2. [-/-/-]In PWP, display language is added (Italian, Russian)
3. [-/-/-]LDAP Client function is added
4. [N121030002/-/-]The auto update of mobile number for smart routing

## New Version 3.4.0.x Changes:

 **V3.4.0.3**

1. [N120604009/-/-] Retains No Answer Time when activating and deactivating Call Forward No Answer service
2. [N120828005/-/-] Individual No Ring setting for each device of multi-devices

VMS Extension Number setting of a user

Line Skipping options (line seize options while in conversation)

Line seize options for Hook Off

1. [N120904003/-/-] [Phone]Easy configuration for program keys
2. [N120904010/-/-] ACD call distribution mode (Auto, SCM, CSTA)
3. [N120919001/-/-] Second Class of Service
* Activate the Second Service Class at Service > Feature Service > Service Activation
* Class of Service can be changed by feature code dialing. Second Class of Service is applied the outgoing calls from the phone.
1. [N120926001/-/-] [Phone] Call Forward display when activating Group Call Forward service
2. [N121005004/-/-] Call Forward Restriction Policy in Class of Service
* The Call Forward Restriction Policy is applied to the forwarded call
1. [N121016002/-/-] Hot Spot, mVoIPRestriction Policy
* When a FMC phone in a Hot Spot ormVoIP makes an outgoing call, the Hot Spot or mVoIP Restriction Policy is applied according the location
1. [N121018001/-/-]Increased the log size of the blocks related to BLF operation.
2. [N121213005/-/-] The gateway makes a new connection to the Secondary SCM when the Primary SCM gets down.
3. [-/-/-] Changed the BLF colors: Off(Unknown/Idle) 🡪 Orange (Unknown/Unreg), Off (Idle)
4. [-/-/-] Added DNS requirement of the SDS ISP
5. [-/-/-] Hot SpotandmVoIPSmart Routing option
* Added Hot Spot Smart Routing and mVoIP Smart Routing in Class of Service
* These options controls whether a call to an FMC phone in Hot Spot ormVoIP to be Smart Routed or Not.
1. [-/-/-] Multi-device (same extension number) is supported for SIP phone and the FMC phone
2. [-/-/-] Supports a call move between multi-devices.
3. [-/-/-] Service scheduling for Preset Call Forward (All, Busy, No Answer, Unreachable, DND)
* Create a Service Schedule in CONFIGURATION > Time Schedule > Service Schedule menu.
* Select a Service Schedule when configure a Preset Call Forward.
* Preset Call Forward operates in accordance with the selected Service Schedule.
1. [-/-/-] Supports Codec negotiation for Wideband Codec(SILK, iLBC, AMR, AMR-WB) and Dynamic Payload Codec(H.264, MP4V-ES)
2. [-/-/-] Enhancement for phone software upgrade
* Added Tool> Phone Software Upgrade menu
1. [-/-/-] Removed the VQM support in SCM Administrator.
2. [-/-/-] Holiday Ring Plan Schedule was merged into Ring Plan Schedule.
3. [-/-/-] Enhancement for Register History
* Stores 1,000,000 registration change events for SIP phones, trunks, and application servers.
1. [-/-/-] Deleted SNMP Default Community
* Deleted default SNMP communities for security issues.
* In order to interoperate with NMS, the Read Community and Write Community should be configured in [Configuration > Miscellaneous > SNMP Config].
1. [-/-/-] Phone Call Log options
* User>Single Phone User>Phone Call History
* User > Multi-Phone User > Phone Call History
1. [-/-/-] Selective call allowance for inbound calls
* This feature allows calls only when the CID is in the Selective Call Allowance List
* Create a list in Service > User Service > Selective Call Allow List and assign to the user.
1. [-/-/-] Added ‘SMT-i5343’phone type.
2. [-/-/-] Call move and intercept by NFC tagging to SMT-i5343
* The call can be moved to other phone by NFC tagging. This feature is provided between a mobile phone and a desk phone.
* The mobile phone should be installed the application program for NFC.
* The relation between a mobile phone and a desk phone should be configured in User >Sing Phone User> NFC Mobile Phone Name menu and User > Multi-Phone User> NFC Mobile Phone Name menu.
* Service>Feature Service>Class of Service> NFC Service
* Service>Feature Service>Feature Code>NFC Move/NFC Intercept
1. [-/-/-] Auto login into the SMT-i5343 by NFC Tagging
* By NFC tagging to the SMT-i5343, the FMC becomes pair with the SMT-i5343.
1. [-/-/-] When a user makes a Click to Dial call from mySingleandif the Remote Office service is activated, the call is connected to the Remote Office destination.
2. [-/-/-] Supports Click to Dial from the analog phone of OS7500 (only in Korea)andiBG.
3. [-/-/-] Added Restriction Policy in Class of Service menu.
* Priority is same as follows.
* Restriction Policy in User > Restriction Policy in COS > Restriction Policy in Service Group > Restriction Policy in User Group
1. [-/-/-] Call operation change. When a call is denied at the FMC phone, any other ringing calls stops ringing.
2. [-/-/-] Added second MAC address in the gateway configuration
* The MAC address of a gateway changes when the SIP server of the gateway switches over, which result in changing the registration status to UNREG. This situation can be cleared by setting the second MAC address.
1. [-/-/-] Added Digital Trunk DTS in OS7500 (only in Korea)
2. [-/-/-] Smart Routing service enhancements
* SCM analyze called number including access code.
* SCM provides control option for smart routing reject, smart routing after service.
* Re-route the call that fails to reach the Smart Routed destination.
1. [-/-/-] Added number translation of the dialed digits
* Translating the Click to Dial characters and numbers from FMC phone
* Set User Group > Change User Group > Options > Minimum Number Translation Length
* Create the translation lists at User Group > Change User Group > Number Translation
1. [-/-/-] Fixed the delay problem when a call is auto-recordedby using Phone Recording method.
2. [-/-/-] Added Multibatch Key Programming fuction
* Set the key values for multiple phones
* Tool >Multibatch Key Programming menu
1. [-/-/-] Added the public SIP port in the phone profile
* Miscellaneous > System Options >SIP Public TCP/TLS/UDP Port menu
1. [-/-/-] New FMC profile parameters
* Scan Channel: Wireless Enterprise > Mobile Service Options> 2.4G/5G Channel List
* 3G 발신 Prefix: Wireless Enterprise> Mobile Service Options>3G Call Prefix
1. [-/-/-] Phone display options for the idle state (Extension Number or Send Extension Number)
* User > Single Phone User > Phone Display Name
* User > Multi-Phone User > Phone Display Name
1. [-/-/-] New WiFi Agent network profile parameters
* Roaming Service Method and Roaming Service Mode
1. [-/-/-]After upgrading SCME on the site using NMS.
* The SNMP configuration is cleared when upgrading the SCM version.The SNMP configurationparameters should be set again as follows.
* 1. Backup the SNMP configuration into an Excel file using the Excel button at Configuration > Miscellaneous > SNMP Config menu of SCM Administrator.
* 2. Upgrade the SCM version. During this process, the contents of SNMP Config is cleared.
* 3. Using the Excel file on procedure 1, restore the SNMP configuration with the Change button at Configruation>Miscellaneous > SNMP Config menu.

## New Version 3.3.2.x Changes:

 **V3.3.2.0**

1. [-/-/-] In Active-Active System, Same Domain and IP are allowed in each node.
* Note :In Single Node, Same Domain and IP are not allowed.
1. [-/-/-] Added menu for check 2nd MAC Address of GW.
	* ADMIN -> [CONFIGURATION] -> [Gateway] -> Gateway Link Setting -> MAC Address(1)
2. [-/-/-] Support DER format of Certification.

## New Version 3.3.1.x Changes:

 **V3.3.1.8**

1. [-/-/-]New flow addition for CMS interoperation

 Cause: New flow is added between SCME and CMS.

 Modification:

- Current state of trunk checking feature

- SCME delivers current state (Registration, Block and channel information (idle/busy channel count)) of requested route to CMS.

2. [-/-/-]There is a problem that CDR data isn’t sent to billing server

 Cause: It happened to Socket resource shortage problem for CDR data delivery after 6 months.

 Modification: CDRB had to close the socket which was opened for sending CDR data to

billing server. But CDRB didn’t close the socket after sending.

Finally, resource shortage problem was happed. This problem is fixed.

3. [-/-/-]Intermittently Deflect fail problem fix

Cause: CTI event was cleared, but other call was not deflected because of remaining call in

SCME. The cause of remaining call was answer and disconnection simultaneously while

semi-blind transfer.

Modification: The root cause is because SCME couldn’t handle signal message which does not

 fit. So this problem is fixed at SCME.

4.[-/-/-]At the Same time pick up and disconnection, signal timing issue

Cause:Beforepicking phone sent ACK message to SCME, caller sent BYE message to SCME.

So caller phone was disconnected, but picking phone was not disconnected.

Modification: Signal timing issue problem is fixed.

5. [-/-/-]Media path problem when answering MTR member

Cause: In case of setting MTR and Call Monitoring service, one way speech problem happened

when any member of MTR answered. Answerer didn’t need MPS because Call Monitoring

service was not set to member of MTR.

Modification: MPS occupation problem is fixed.

6. [-/-/-]Keep SIP trunk not registration problem

Cause: If SCME receives again REGISTER method in 3 second after SIT trunk state changes registration to unregistration, SCME discards this message. SCME can handle REGISTER method after 3 seconds. But SCME had timer setting problem since requested time.

Modification: This problem is fixed so that SCME checks timer since SIP trunk registration state

is changed

7. [-/-/-]Name search feature problem of Toll Restriction List at SCME Web GUI

Cause: Name information couldn’t be read because of query command error.

Modification: Query command is fixed.

8. [-/-/-]Keep the time of No Answer Forward at SCME Web GUI

Cause: Unconditionally default value is created when No Answer Call Forward is activated.

Modification: The last set time value is kept when No Answer Call Forward is set again after

deactivation.

9. [-/-/-]Call Back reservation problem

Cause: The user who set Call Back service used only sRTP. But SCME didn’t send INVITE

includingsRTP SDP. So this service was failed.

Modification: SCME is fixed so that it can send INVITE including sRTP or RTP as user set

information

10. [-/-/-]Announcement change in case of ACD Queue full

Cause: In case of ACD Queue full, SCME rejects other call. Then SCME sends announcement to

user. Previous announcement was not appropriate.

 Modification: It is fixed “Busy”announcement can play.

11. [-/-/-]Duplicated trunk creation problem at SCME Web GUI

Cause: There was a problem that SCME didn’t check existing trunk selection code with

new trunk selection code.

Modification: It is fixed so that SCME can check previous and new of trunk selection code.

12. [-/-/-]Standby license handling problem

Cause: Standby license was displayed “license MAC is different from system”.

Because active LMB sent only 2 mac information.

Modification: It is fixed so that active LMB sends 4 mac Information to standby LMB.

13. [-/-/-]ACD operation error problem

Cause: There was a problem that ACD feature was not working when SCME package which was

made for Active-Active was installed to Active/Standby. Because SCME didn’t identify

Node information to master node.

Modification: It is fixed so that SCME sets only master node in case of being installed A/S.

14. [-/-/-]Media path problem using MTR and Call Monitoring

Cause: SCME allocates MPS channel when being set Call Monitoring service. The callee who set

MTR service answered call, but SCME didn’t allocated MPS channel. So media path was

not operation.

Modification: It is fixed so that SCME can allocate MPS channel when Call Monitoring is set.

15. [-/-/-]The problem as searching MAC address at NMS v1.05

Cause: Mac address of SCME was not displayed as searching Node Info when interoperating

SCME and NMS v1.05.

Modification: It is fixed reading SCME MAC address.

17. [-/-/-]Transfer fail problem at phone setting

Cause: The type of line state was changed abnormally in that CMS monitoring of SCA user is

set to ENABLE.

Modification: It is fixed so that Line information is kept to SCA.

18. [-/-/-]Version upgrade problem

 Cause: In case of upgrading from 3.2.2.9 to 3.3.1.7, upgrade script was operated abnormally.

 Modification: It is fixed so that upgrade script operates normally.

19. [-/-/-]Mute problem as pick up

Cause: For example) SCME sent PCMA to caller, but callee phone received G729.

 So both caller and callee couldn’t communicate.

Modification: Codec negotiation scheme is fixed.

 **V3.3.1.4**

1. [-/-/-] When receiving OPTIONS for keep alive from endpoint, SCME compares domain with domain value in route configure, not user-group. (already applied V3.2.4.7)

 **V3.3.1.3**

1. [-/-/-] Added menu for preventing to duplicate FXS subscribers in GW.
	* ADMIN -> [CONFIGURATION] -> [Gateway] -> Gateway Link Setting -> MAC Address
	* Set Mac address to 00:00:00:00:00:00 when gateway that is not supported MAC address is connected to SCME via SBC (Not check duplicate)
	* In normal case, input MAC address of gateway.
	* **Note : It is not allowed to register that MAC address is invalid.**
2. [-/-/-] ACD Capacity

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ACD Capacity Factor | 1,000 | 10,000 | 3000 | 30000 | expr30000 |
| Maximum ACD Lite Agent | 500 | 500 | 500 | 5000 | 500 |
| Maximum ACD Lite Group | 64  => 256 | 64  => 256 | 64  => 256 | 256 => 1024 | 64  => 256 |
| Maximum ACD Queue | 100 => 512 | 200 => 512 | 100 => 512 | 200 => 512 | 200 => 512 |
| Maximum ACD Lite Group Member | 100 => 512 | 100 => 512 | 100 => 512 | 100 => 512 | 100 => 512 |
| Maximum ACD Lite Concurrent Login | 500 | 500 | 500 | 5000 | 500 |

1. [-/-/-] ACD Wrap-up time-out do not change Agent State to Ready when the ACD Group controlled by CTI
	* **Note : CTI AP must change Agent State to Ready Because SCM do not**

**automatically change Agent State to Ready**

1. [-/-/-] added menu : configuration of Phone’s TX Gain
	* [CONFIGURATION] → [Phone Setting] → [Gain Setting]
	* [CONFIGURATION] → [User] → [Single/Multi Phone] → 'Phone TX Gain'
	* Priority : ‘user’>‘Phone Setting’

 **V3.3.1.2**

1. [-/-/-] Support the Delphicom Phones in Registration Summary By Phone
	* Display the summary about Delphicom Phones
	* Added [Kind] Column (Grouping for Samsung Desktop, Samsung Mobile-Delphicom)
2. [-/-/-] Support Java7 about FTP function

 **V3.3.1.1**

1. [-/-/-] Add Service Call Access Code

 **V3.3.1.0**

1. [-/-/-] Operator can configure active-active topology by using administration tool.
2. [-/-/-] System detects that local node cannot access to peer node for network or system failure reason.And local node takes over all devices that are serviced on peer node.
3. [-/-/-] System detects that local node can access to peer node when network or system is back to normal. And all devices are serviced on their own nodes.
4. [-/-/-] Active-Active license keys are not allowed to use on system that is normal (not active-active) topology. But these keys are allowed 30 days because some cases of system failure or initial establishingscm express system are possible.
5. [-/-/] DB Backup count is NOT limited but the number of backup file is limited.
* Before: DB Backup count is limited in case of periodical backup
* After: The number of DB Backup file is limited

User can assign the Max Count on GUI. If the number of DB file is over than max count than oldest file will be deleted.

1. [-/-/-]Move to Mobile(Number) Service can be canceled by Soft menu.
2. [NWSYS00637499/-/-]Trunk call problem, generated by the number length, is fixed.
3. System discards a new requested call when system is received requested calls over peak.
4. System discards a registration request when phone type is not mismatched to configured data.
	* Before, Soft phone / Mobile phone is allowed registration although desktop type.
5. In Active-Active mode, EP or Application server that is configured send register type only sends register request message in primary node. But, application server that is configured ‘Dual Operation’ sends request both node.
6. [-/-/-]It is fixed that operation of ‘Transfer to VM' Programmable key is not working during conversation
7. [-/-/-]Added Menus for new function of IP-ternminal

: [CONFIGURATION] → [Phone Setting] → [Spot News Options]

1. [-/-/-] GUI>Reorganized Fonts
2. [-/-/-] GUI>Restored the [Dialog] menu in menu-bar
3. [-/-/-] GUI>Resized the Create/Change’s window size(1024\*768) for note-PC’s resolution
4. [-/-/-] GUI>Function Improved : Remember the folder position for file selection dialog before program is exited
5. [-/-/-] GUI>Function Improved : The yellow color of Main Monitor’s block group icon(OAMS, ISOL...) will be displayed in case that have a major/minor alarm
6. [-/-/-] GUI> Reordered optional value
7. [-/-/-] GUI>Function Improved : The table of contents ‘s order, column width will be remembered before menu is closed
8. [-/-/-] GUI>Changed the redundant mandotary filter to normal
9. [-/-/-] GUI>Function Improved : The hidden contents of table will be exported
10. [-/-/-] GUI>The tab lines of menus is changed from 2 to 1
11. [-/-/-] GUI>Function Added : In Customer Data Import/Export, You can delete the rows
12. [-/-/-] GUI>Function Improved : In Customer Data Import/Export, memory will be saved
13. [-/-/-] GUI>Function Improved : In Customer Data Import/Export, support for Excel2007 file format
14. [-/-/-] GUI>Function Improved : In Customer Data Import/Export, operator can selected item of excel when db’s field name is different from excel’s
15. [-/-/-] GUI>Function Improved : In Customer Data Import/Export, resized the column size according to title’s length automatically
16. [-/-/-] GUI>Added menus : Customer Data Import/Export >Preset Call Forward All/Busy/No Answer/Unreachable/DND
17. [-/-/-] GUI>Added menus : Customer Data Import/Export >Phone/AOM Key Programming
18. [-/-/-] GUI>Function Improved : In Call Trace, you can copy the additional information
19. [-/-/-] GUI>Changed menu : Gateway Alarm Viewer’s design
20. [-/-/-] GUI>Supplement Operation History
21. [-/OS7070/-] OS7070 is added for SCME Gateway
22. In case of upgrading from V3.2.x to V3.3.1, the conference database will be initialized. The conference data such as predefined groups or meet-me reservations will be deleted. If there is any data needed to be restored, the administrator has to create the data again using the admin GUI.

## New Version 3.2.4.x Changes:

 **V3.2.4.3**

1. No blocking IP that is set to end point, gateway or application server despite detection to block on ACL rules.
2. It is fixed that Hunt member’s coloring service is not activated.
3. H.323 trunk was blocked in Gateway OS7100.

 **V3.2.4.2**

1. Add acd Call to waiting-queue even though all agents are logout.
2. [KT] UCEMS requirements for the management of system on private network implemented.
3. Changed auth ID/password to mandatory field in EP/Application server when registration type is ‘received registration’.

)

 **V3.2.4.1**

1. CSTA Multi-Link Management feature is added. ACD mode is changed to System Auto Mode only if there is no CSTA link with CTI Server mode.
2. CSTA Link Alive Check feature is added. SCM checks when Link Alive Check Message is received. If SCM didn’t receive the message during 30 seconds, SCM disconnects the CSTA link.
3. CSTA Global Unique Call ID feature is added. CSTA Call Ids issued from several SCM can be made globally unique in the trusted network.
4. SingleStepTransfer flow by CSTA command is changed. Hold Event is removed.
5. Ping-Ring Service is newly implemented.
6. System feature, which check call monitoring user limit, is fixed.
7. System feature, Call Monitoring user's config sync feature, is added.
8. ReRouting Service is newly implemented, in Load Balance Routing.
9. OfficeServ Model(OS7070) interworking with SCM is added in GUI
10. FMC phone(WIFI only, not connected to 3G) can connected to SCME with MAC address.
	* If mobile number is not exist and only MAC address is exist, system will create profile of FMC Phone with MAC address.
11. Added to set Operator Group Number for Forward Destination
12. In case of Call Bridge Feature, the override level and privacy level will not be checked.

 **V3.2.4.0**

**Upgrade Cautions!!**

* **After upgrading to V3.2.4 package, application server will not operate correctly. To integrate with application server, application server service group should be assigned in usergroup menu as follows.**
* **1. Create application server sevice group in [SCM Administrator /Configuration/Application/Application Server Service Group] menu.**
* **2. Assign application server service group in [SCM Administrator/Configuration/Usergroup/options/application server service group] menu.**
1. Directory management
	* Separation of data files and package files

Data Files

SCM log files, CDR(Call Data Record) files, Call log files, Information for directory

servicefiles,core files, VM files

 Package files

executable binary or script files, configuration files, announcement voice file

db file, …

* + Active and standby SCM do switchover when major disk alarm happens on active SCM
	+ SCM limits directory size and automatically removes old files when specific directory size is more than threshold value that configured
1. Improve algorithm about IP confliction
	* Bug Fix : SCM can detect IP confliction after switchover
	* SCM report IP confliction event to Administration Tool and fetches its own IP address when IP phone set duplicate IP address.

It works only we use IP phones that version is in accord with SCM 3.2.4

1. SCM supports every time zones

OldVersion:SCM supports 121 time zones

SCM 3.2.4 Version :SCM supports 407 time zones

1. SCM detects mismatches of configuration between active and standby system and reports fault to Administration tool. And standby SCM will stop its own system.

Below are cases of mis-configuration between active and standby system.

* The version of two system is different
* Two system’s HA modes are same

Ex) Installer set two system as active-active or standby-standby

* The timezone of two system is different.
* The language of two system is different.
* The capacity of two system is different.
1. SCM monitors web server status every 1 minutes. And scm restarts web server whenscm detects web server is down.
2. SCM set HA log file size from 4M bytes to 100M bytes
3. Bug Fix : SCM can release network card alarm although network is connected during scm down
4. Wireless Enterprise license key is added. It contains FMS and MVS fields
5. Bug Fix : OSPP phone can be upgraded automatically although SCM is under the NAT and phones are out of the NAT
6. Default value for user authentication type is changed.
* User authentication type is changed None to Internal.
* Upgraded site holds existing value (Only new site is applied)
1. Added Reason header for registration failed.
2. Added status message for registration time over(only subscriber)
3. Added QoS configuration for signal and media.
4. SCM rejects registration to not set user authentication id or password.
* Only user authentication type is Internal.
* Previous SCM allows registration when password is not set.
1. SCM Supports multi-application Server.
2. [STA] Pause digit is added. In case of Long Distance Call, auth code can be sent automatically after pause delay time.
3. Call Bridge
4. Call log display for no answer call which is transferred
5. Paging On Answer feature supports between scms.
6. Added VQM statistics Function (interworking with ‘Enterprise NMS’)
7. Added VQM realtimemonitoring Function (interworking with ‘Enterprise NMS’)
8. Missed Call Display Options is added for Multiple Device, pickup, Hunt Parallel, Multi-ring.

It can be configured in [CONFIGURATION > User Group > Change User Group > Options].

1. re-INVITE Timing Issued is resolved for FMS Move Feature. Blind transfer to auto-answered user is also fixed.
2. [VR Bank] Announcement is changed when No Answer Call Forwarding target is busy.
3. Freezone(FMS) feature is added.
4. ACD Routing Fail is fixed when ACD Group number is different with DID number.
5. ‘Transfer ringback tone’ configuration in user group option has a priority over a phone's coloring option.
6. SCM rejects registration FXS phone which is not assigned to gateway.
	* FXS phone have to assign gateway.
7. Added Menu Item : at ‘Gataway Link Setting’ Menu. (for NAT environment)
	* IP Address : IP Address for SIP registration
	* IP Address(for Provision): for provisioning
	* NAT :check wheatheragateway is located in NAT environment
	* Public IP Address : public IP Address ( if the gateway is located in NAT environment)
8. Added CMS service Interface Menu.( only for Korea Site)
	* ‘Configuration -> Service -> External Equipment Interface -> CMS Option’ Menu
9. Default protocol for terminal Provisioning is changed to HTTP to HTTPS.
10. Added Menu : Wireless Enterprise( previous Menu is ‘Mobile Enterprise’)
	* Some item is added as FMC terminal function is added.
11. CDR data directory path is changed to ‘/DI/CM/data/cdr’ to ‘/scm\_data/cdr’.
12. Key Profile file name is changed to key\_xxx.xml to supplement\_xxx.xml
13. Transfer Target Display Option is added in case of Transfer Recall
14. Added Menu( for Terminal)
	* Disconnect tone is added(refer to Configuration -> Phone Setting -> Tone Setting).
	* AItem of ‘Phone key Programming’ is added :‘One Touch Transfer’ Item is added.

‘One touch transfer’ is work as transfer function during conversation.

* + Added menus :Configuraion -> Phone Setting-> Phone Configuration.

(refer to ‘Phone Release Notes’.)

1. Function Added : When double-clicked the table of contents, [Detail] window will display
2. Added menu : Customer Data Import/Export > Registration Status
3. Added menus : Customer Data Import/Export > Pickup/Hunt/Paging Group
4. Added menu : CONFIGURATION >Service >Feature Service >Activated Service List
5. Added menu : CONFIGURATION >Service >Group Service >Pickup Group List
6. Added menu : PERFORMANCE >Registration >Registration Summary By Kind
7. Added menu : PERFORMANCE >Registration >Registration Summary By Phone
8. Changed menu : CONFIGURATION >Service >User Service >Multi-ring List – All entry for extension will be displayed in one row
9. System feature is added, which feature is restricted call by using default access code in tandem call
10. MCN feature is enhanced. System feature is added, which feature is changing calling number in tandem call.
11. System feature is added, which feature is modified called number for same location call.
12. [N111110017/SCME/Navy]System feature,which changing callingdisplayname for inbound call, is added.
13. SCM supports 3rd Party Recording Application Server.
14. The busy line can be a master of dispatch conference using CSTA.
15. The first INVITE message for Blind Transfer offers RTP or SRTP only. It depends on rtp type of held call.
16. Attendant transfer recall option settings

User group / Change User Group / Options of the 'Transfer Recall', depending on the setting to determine whether to recall

1. Recall distinction

In case of transfer recall, added Call-Info to INVITE message

1. Improve operation of inbound Call from the domain type Endpoint which has IP address lists.
2. Resolve package upgrading problem that upgrading program does not go on when it starts to roll back to previous version because of upgrade fail
3. Send error response for received OPTIONS message that not included userinfo and host. (Before version allows only IP address)

 **V3.2.2.9**

1. It is fixed thatteleworker or call monitoring usercannot hear the announcement for Transfer Recall failure.
2. If Multi-Devicesareexpired,then only first device is unregisteredand rest of them are not unregistered. But it is fixed.

 **V3.2.2.8**

1. G.723 option is removed on Admin GUI Conference → System Configuration setting.
2. Transfer MOH option is subdivided
	* 1. GUI option name is changed.

- Configuration -> User Group-> Change User Group-> Options->Search user group and Change ->Transfer RingBack Tone

* + 2. GUI [Transfer RingBack Tone] option is subdivided.

- Before: DISABLE/ENABLE

- After: Internal RingBack Tone/MOH/External RingBack Tone

1. It is fixed that PC attendant continuous cal function is not working whenMTR Master received call from Operator group.
2. When SIP Response Code 408 is received from Direct Route, then call will be rerouted to Alternative Route.
3. Error message and display for redial of outgoing/incoming is modified.

 **V3.2.2.7**

1. It is fixed that the call which is monitored suffer from one-way speech.
2. Outgoing call redial issue: the outgoing call number which user doesn’t intend is saved during internal call in Blind transfer service.
3. It is fixed that BLF status doesn’t update after switch over is fixed.
4. No Response Timeout option is added for internal/external call.
5. If AR(Alternative Route) is set and when there is no response(18x, 200) for INVITE to make an outgoing trunk call, then the call will be rerouted.

 **V3.2.2.6**

1. When MTR(MulTi-Ring) is set, ‘Allow Other Ring’ option will work correctly.
2. It is fixed that the phone which is set for SCA(Shared-Call Appearance) doesn’t work for barge-in.
3. It is fixed that user extension number is displayed instead of Send Extension Number.
4. When outside user answer the paging on answer, MCUD was killed. But, it is fixed.
5. It is fixed that there is no announcement and call is locked up when ACD overflow is happened.
6. It is fixed that Authentication failed in case of making call by using Line key.
7. In case of error status, error message will be displayed for UC Dial setting.
8. The abnormal crash of LSMB is fixed.
9. Billing number for diversion is added for interworking with LGU+.
10. It is fixed that the caller number display on mobile phone which is member of paging on answer was not correct.
11. Multi-Device Temporary Soft Menu operation is corrected.
12. It is fixed that Auto Retry CGB killed.
13. It is fixed that RECORDB Process killed.
14. Language display on MV Soft Menu is corrected.
15. Phone display DB is added for German/Turkish.
16. CMB memory allocation size error is corrected.

 **V3.2.2.5**

1. One-way on Call Monitoring member is fixed.
2. In case of MTR, originate number will be saved.
3. It is fixed that Directory Service search is failed in case of German or Turkish name.
4. Announcement for exceptional case is changed for Tandem call.
5. System Speed Dial length is extended(10 -> 16).
6. Communicator ‘set password’ error is fixed.
7. Registrar IP can be set manually.
	* Configuration → Miscellaneous → System Options → System Priviate IP Address For Call
8. SCME A/S DB sync error is fixed.
9. If expire time is set to ‘0’, then Hot Desking will work without time out.
10. It is fixed that CGB crashed in case of Callback by FXS.
11. It is fixed that Callback by multi-line user is failed.
12. Announcement for Call FWD to Trunk is turned to real RBT when 183 messaged received. But, it is fixed now.
13. It is fixed that new announcement for Voice Mail doesn’t play.
14. Hunt member will receive the call regardless of CF status.
15. Unspecific user can receive the call. Even if he is not the Hunt member.
16. When Preset Call Forward DND target number is UMS, call is not received to UMS. But, it is fixed.
17. Codec negotiation is changed to interwork with LGU+.
18. sRTP negotiation for video media description is fixed.
19. After switch over there is current calling on Call Management of SCME GUI. Even if there is no call.
20. When the number of one device whose Call Appearance is set as SCAalready has a call and another device who has the same number hooks off, there is no dial tonebut call can be made. But, call should not be composed.
21. Erroneous BLF status for Share Call Retrieve is fixed.
22. (Gateway) If IP Carrier option is modified, then MP40 is restarted. But, it is fixed.