Technical Document

Syntax of ST2030 and ST2022 Configuration File

ST20XXS_Config File Syntax_V0043

Jul 13, 2009

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1 Configuration File Syntax

This document describes the configuration file syntax for versions SG x.54 and beyond, SI, unless superseded by a new document.

1.1 Configuration File Format

The purpose for configuration file is to allow service provider configure ST2030 and st2022 remotely. This file must include the title, say [sip] or [autoprovision], and associated items. Each item is composed of parameter and value. Below are the examples for SIP.

Note:

- **The parameter marked as bold-italic(config_sn in [sys] section) is required for mac-specific configuration file, and must not be in common configuration file.**

Example:

```
SIP:
        [sip]
        TEL01Use=1
        RegisterServerMP1=10.1.25.105
        ProxyServerMP1=10.1.25.105
        ServiceDomainMP1=10.1.25.105

        [autoprovision]
        autoprovisionTimeDays=0
        autoprovisionstarttime=00:00
        autoprovisionTimeSpan=0…
        …
```

1.2 Configuration Parameters and Syntax

1.2.1. IPP

[ipp]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
AlarmFlag	For MMI only	N/A	0	N/A
AlarmTime(Hour)	For MMI only	N/A	0	N/A
AlarmTime(Minute)	For MMI only	N/A	0	N/A
AlarmType	For MMI only	N/A	1	N/A
AutoAnsMode	For auto answer headset or handsfree mode	0: Handsfree 1: Headset	0	lcdui show autoans_mode lcdui set autoans_mode
AutoAnsTimer	Automatic answer	0:deactivate 0 ~ 60 sec	0	N/A

[ipp]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
Autocall	Auto call	0:disable 1:enable	0	sys show autocall_flag
AutocallNumber	Auto call destination	Tel or URI		sys show autocall_nbr
AutoRejectTimer	Automatically reject incoming call if the user does not pickup the phone	0:deactivate 0 ~ 180 sec	0	N/A
AutoStopTimer	Stop placing outgoing call if callee does not answer	0:deactivate 0 ~ 180 sec	0	N/A
AutoHangUpTimer	Automatically goes back to idle mode after this timer	0:deactivate 0 ~ 180 sec	3	N/A
auto_cb	Enable/Disable Call Back feaute	0:disable 1:enable	1	lcdui show auto_cb
CaLogPrefix	Prefix for received and missed call log	1~4		N/A
Check_phonebook_domain_name	Use or ignore domain to decide if a uri belongs to the phonebook	0: ignore domain 1: use domain	1	
DateFlag	For MMI only	N/A	0	N/A
DateFormat	For MMI only	N/A	DD_MM_YY	N/A
DialSubscriberFlag	For MMI only	N/A	0	N/A
DialSubscriberHour	For MMI only	N/A	1	N/A
DialSubscriberMin	For MMI only	N/A	0	N/A
DialSubscriberTelNbr	For MMI only	N/A		N/A
Disable_call_progress	Enable /Disable the call progress "Ringing" on screen	1: doesn't display the call progress on screen 0: display the call progress on screen	0	
DoNotDisturb_AbHour	Do Not Disturb for absolute type	0~23	0	N/A
DoNotDisturb_AbMin	Do Not Disturb for absolute type	0~59	0	N/A
DoNotDisturb_Duration	Do Not Disturb for relative type	0~65535 min	0	N/A
DoNotDisturb_Hour	Do Not Disturb for relative type	0~23	0	N/A
DoNotDisturb_Mday	Do Not Disturb for relative	1~31	1	N/A

[ipp]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
	type			
DoNotDisturb_Min	Do Not Disturb for relative type	0~59	0	N/A
DoNotDisturb_Month	Do Not Disturb for relative type	0~11	0	N/A
DoNotDisturb_Type	Type of DND function	1:Relative 2:Absloute	0	N/A
DoNotDisturb_Year	Do Not Disturb for relative type	100~199 (2000~2099)	0	N/A
Suppress-DomainName-Flag	Hide Domain Name when the phone is received	0:disable 1:enable	1	N/A
HideMissedCall	Hide missed call display	0:disable 1:enable	0	sys show hmcd_flag
Hide_Phone_Number_Display	Hide/show phone number on idle screen	0: show phone number 1: hide phone number	0	
IPP_gains_handset	For MMI only	N/A	0	N/A
IPP_gains_headset	For MMI only	N/A	0	N/A
IPP_gains_handsfree	For MMI only	N/A	0	N/A
IPP_gains_GL_handset	For MMI only	N/A	0	N/A
IPP_gains_GL_headset	For MMI only	N/A	0	N/A
IPP_gains_speaker	For MMI only	N/A	0	N/A
Key_Echo	For MMI only	N/A	1	N/A
LCDvoltLevel	Adjustable contrast	35,41,45, 51	45	N/A
LanguageType	Language display in English		0	N/A
LocalMusicOnHold	Music on hold	0:Server 1:Local	1	sip set music_srv_flag <0:Local/ 1:By server>
ManualLog	Enable/Disable login-logout feature	0:disable 1:enable	1	sys show manual_log
OptionVisible	Provide option menu selection	Hex number(0000~1fff)	8191	lcdui show option_tbl lcdui set option_tbl [Hex number(0000~1fff)]
PasswordFlag	Enable/disable PIN usage for keypad lock	0: PIN not needed 1: PIN used	0	N/A
PasswordString	Personal code for Phone Lock	4 digits	0000	N/A
PhoneLock	Phone Lock	1:activate 0:deactivate	0	N/A
Pick_up_call	Enable/disable	0: disable softkey	1	

[ipp]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
	Call Pickup softkey	1: enable softkey		
Ringer_default_vol	Volume at which phone will lock if enabled	0~9	4	
Ringer_lock	Allow/Prohibit users to change ringer volume	0: Lock Disabled 1: Lock enabled	0	
RingToneMP1	Profile Ring tone-1	0 ~ 6	0	sys show ring_toneMP 1
RingToneMP2	Profile Ring tone-2	0 ~ 6	0	sys show ring_toneMP 2
RingToneMP3	Profile Ring tone-3	0 ~ 6	0	sys show ring_toneMP 3
RingToneMP4	Profile Ring tone-4	0 ~ 6	0	sys show ring_toneMP 4
Shortcut_one	For MMI only	N/A	0	N/A
Shortcut_two	For MMI only	N/A	0	N/A
TimeFlag	Time format setting	0:12H format 1:24H format	0	N/A
Transfer_to_voice_mail	Enable/disable Tr-to-Vmail softkey	0: disable softkey 1: enable softkey	1	
TransfOnRingFlag	to decide the [Transf] softkey on ringing shown in MMI with/without respect to the call forward bit in parameter "OptionVisible".	0:disable 1:enable	0	lcdui show transf_on_ring

1.2.2. NET

[net]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
DNSSrv1	Primary DNS address	IPv4 format	0.0.0.0	net set dnsip pri <IP>
DNSSrv2	Secondary DNS address	IPv4 format	0.0.0.0	net set dnsip sec <IP>
DNSFLG	DNS Server setting from flash or network	0(From flash) 1(From network)	1	net show dnsmode net set dnsmode [0(From flash) /1(From network)]
DNSFB	Setting the DNS mode	0: Original mode(always query the first	0	net show fbtimer

[net]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
		DNS) 1:Circular method of querying the DNS		
DSCPflag	Enable and disable Diffserv function	0:Disable 1:Enable	0	net show dscp
ESWITCH_LAN	Configure Ethernet connection for LAN port	1:Auto 2:100/Half 3:100/Full 4:10/Half 5:10/Full	1	eswitch set <Port> <Config_value> Port: 1 => LAN Port: 2 => PC Config_value: 1 => auto-negotiation Config_value: 2 => 100M, Half-duplex Config_value: 3 => 100M, Full-duplex Config_value: 4 => 10M, Half-duplex Config_value: 5 => 10M, Full-duplex
ESWITCH_PC	Configure Ethernet connection for PC port	1:Auto 2:100/Half 3:100/Full 4:10/Half 5:10/Full	1	eswitch set <Port> <Config_value> Port: 1 => LAN Port: 2 => PC
Gateway	Wan default gateway	IPv4 format	0.0.0.0	net show gateway
HttpsType	To indicate the https type for APS	0:One way authentication 1:Double authentication	0	net set https_type
ipwan	Wan IP address	IPv4 format	10.1.24.88	net show ipwan
IpDFflag	Don't fragment	0: disable, 1:enable	0	net show ipdf net set ipdf [0(Disable) / 1(Enable)]
MaskWan	Subnet Mask	IPv4 format	0.0.0.0	net show maskwan
PersistentVLANfromDHCP	Make VLAN setting provided via DHCP survive reboot or not	0: not surviving reboot 1: persistent	0	N/A
TelnetTime	For telnet timeout	0~240 seconds	240	net show telt net set telt (0~240 seconds)
TelnetPort	Reserved for future		23	
TelnetSrv	Enable and disable telnet service	0:Off 1:On	0	net show telnet_srv
VLAN	Enable and disable VLAN function	0:Off 1:Voice 2:Voice and	0	net show vlan

[net]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
		Data		
WanModFlag	Set up networking with Fixed IP, DHCP or PPPoE	0: Fixed IP 1: DHCP 2: PPPoE	1	net show wan_mode

1.2.3. SIP

[sip]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
ACD	Enable/Disable Sylantro ACD	0: disable 1: enable	0	
AuthMessageServer	Default value 0.0.0.0 means the phone will accept all the messages coming from everywhere. If not, only Messages coming from the server shall be acepted.	IPv4 format or a domain name, max 127 chars	0.0.0.0	sip set auth_msg_srv
AuthNotifyCheckSync	Default value 0.0.0.0 means the phone will accept NOTIFY-checksync requests coming from everywhere. If other value, only those coming from the specified server will be acepted, and the rest ignored.	IPv4 format or a domain name, max 127 chars	0.0.0.0	sip set auth_notify_sync_srv
CallBlockFlg	local/starcode flag for Call Blocking	local sc	local	sip show CallBlockFlg
CallBlockAllowSC	a field for Call Blocking Allowed	Max:32		sip show CallBlockAllowSC

[sip]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
	starcode			
CallBlockRejectSC	a field for Call Blocking Rejected starcode	Max:32		sip show CallBlockRejectSC
CallBlockOFFSC	a field for Call Blocking OFF starcode	Max:32		sip show CallBlockOFFSC
CallBlockType	Call blocking	0:disable 1:allowed 2:reject	0	sip show sw call_block
CalledDisplayPrior	Set priorities for outgoing calls identity display source	1 ~3 for each header type, 1 highest priority and 3 lowest. dialed(pr)passerted(pr)remoteparty(pr)	dialed(1)passerted(2)remoteparty(3)	sip set called_display_pri <dialed pr> <passerted pr> <remotepart pr> Example: sip set called_display_pri 1 2 3
CallFwdFlg	local/starcode flag for call forward	local sc	local	sip show CallFwdFlg
CallFwdOffSC	a field for call forward OFF starcode	Max:32		sip show CallFwdOffSC
CallFwdAlwaysSC	a field for call forward Always starcode	Max:32		sip show CallFwdAlwaysSC
CallFwdBusySC	a field for call forward Busy starcode	Max:32		sip show CallFwdBusySC
CallFwdNoAnswerSC	a field for call forward No Answer starcode	Max:32		sip show CallFwdNoAnswerSC
call_hold_method	To decide call hold method as sendonly/inactive	0: sendonly 1: inactive	0	sip show call_hold_method
CFUOnSV	To activate CFU for supervised line	Max:32		sip show CallFwdOnSV
CFUOffSV	To deactivate CFU for supervised line	Max:32		sip show CallFwdOffSV
CallParkType	Park/Retrieve type selection	0: REFER to server, Retrieve via SUBSC/INV	0	

[sip]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
		1: REFER to UA, Retrieve via INVITE 2: Sylantro		
CallParkFlg	local/starcode flag for Call Park	local sc	local	sip show CallParkFlg
CallParkSC	a field for Call Park starcode	Max:32		sip show CallParkSC
CallRetreiveSC	a field for Call Retreive starcode	Max:32		sip show CallRetreiveSC
CallPkupFlg	local/starcode flag for call pick up	local sc	local	sip show CallPkupFlg
CallPkupSC	a field for call pick up starcode	Max:32		sip show CallPkupSC
CallWaitingFlg	local/starcode flag for Call Waiting	local sc	local	sip show CallWaitingFlg
CallWaitingOnSC	a field for Call Waiting ON starcode	Max:32		sip show CallWaitingOnSC
CallWaitingOffSC	a field for Call Waiting OFF starcode	Max:32		sip show CallWaitingOffSC
CLIPDisplayPrior	Set priorities for incoming call identity (CLIP) display source	1 ~4 for each header type, 1 highest priority and 4 lowest. ppreferred(pr)passerted(pr)remoteparty(pr)from(pr)	ppreferred(1)passerted(2)remoteparty(3)from(4)	sip set clip_display_pri <ppref pr> <pass pri> <rem pri> <from pr> Example: sip set clip_display_pri 1 2 3 4
ClirFlg	local/starcode flag for Call Privacy	local sc	local	sip show ClirFlg
ClirOnSC	a field for Call Privacy On starcode	Max:32		sip show ClirOnSC
ClirOffSC	a field for Privacy OFF starcode	Max:32		sip show ClirOffSC
CF_Address1	Telephone number that you would like to forward to in any condition	Max:24 chars		sip show CF_Addr

[sip]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
CFNA_Time1	No Answer time before Call Forward	0 ~ 32	30	sip show CFNA_time
CodecPriority_ILBC	The codec priority for ILBC	1~9	8	N/A
CodecPriority_ILBC_13_3K	The codec priority for ILBC 13.3	1~9	9	N/A
CF_domain	Domain Name of call forward	Max: 127		sip show CF_Addr sip set CF_Addr
ConferenceFactoryURI	The conference factory URI	Max: 191	conf	sip show conf_uri
ConferenceMode	Locally mixed conference or other	0: Local conference 1: Network Conf-GenBand 2: Centralizede Conf-Sylantro	0	
ConnectReuseFlgMP1	Reuse connection created by server in TCP for primary server	0: disable 1: enable	0	sip show conn_reusemp 1
ConnectReuseFlgMP2	Reuse connection created by server in TCP for primary server of profile 2	0: disable 1: enable	0	sip show conn_reusemp 2
ConnectReuseFlgMP3	Reuse connection created by server in TCP for primary server of profile 3	0: disable 1: enable	0	sip show conn_reusemp 3
ConnectReuseFlgMP4	Reuse connection created by server in TCP for primary server of profile 4	0: disable 1: enable	0	sip show conn_reusemp 4
ConnectReuseFlgBK1	Reuse connection created by server in TCP for backup server	0: disable 1: enable	0	sip show conn_reusebk 1

[sip]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
ConnectReuseFlgBK2	Reuse connection created by server in TCP for backup server of profile 2	0: disable 1: enable	0	sip show conn_reusebk 2
ConnectReuseFlgBK3	Reuse connection created by server in TCP for backup server of profile 3	0: disable 1: enable	0	sip show conn_reusebk 3
ConnectReuseFlgBK4	Reuse connection created by server in TCP for backup server of profile 4	0: disable 1: enable	0	sip show conn_reusebk 4
DisplayNumFlag1	To indicate if DisplayNum1 will replace tel_number1 displaying on LCD	0: disable 1: enable	0	sip show dispnum_flag 1
DisplayNumFlag2	To indicate if DisplayNum2 will replace tel_number2 displaying on LCD	0: disable 1: enable	0	sip show dispnum_flag 2
DisplayNumFlag3	To indicate if DisplayNum3 will replace tel_number3 displaying on LCD	0: disable 1: enable	0	sip show dispnum_flag 3
DisplayNumFlag4	To indicate if DisplayNum4 will replace tel_number4 displaying on LCD	0: disable 1: enable	0	sip show dispnum_flag 4
DisplayNum1	To affect the displayed tel_number1 on the screen	Max: 20		sip show dispnum_value 1
DisplayNum2	To affect the displayed tel_number2 on the screen	Max: 20		sip show dispnum_value 2

[sip]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
DisplayNum3	To affect the displayed tel_number3 on the screen	Max: 20		sip show dispnum_value 3
DisplayNum4	To affect the displayed tel_number4 on the screen	Max: 20		sip show dispnum_value 4
DNDFlg	local/starcode flag for DND	local sc	local	sip show DNDFlg
DNDOnSC	a field for DND ON starcode	Max:32		sip show DNDOnSC
DNDOffSC	a field for DND OFF starcode	Max:32		sip show DNDOffSC
DNDOnSV	To activate DND for supervised line	Max:32		sip show DNDOnSV
DNDOffSV	To deactivate DND for supervised line	Max:32		sip show DNDOffSV
DNDResp	DND Response only when user enabled Do Not Disturb	0:480 1:486 2:603	1	sip show dnd_resp
DisplayName1	Telephone name of profile 1	Max:20		sip show tel_name 1
DisplayName2	Telephone name of profile 2	Max:20		sip show tel_name 2
DisplayName3	Telephone name of profile 3	Max:20		sip show tel_name 3
DisplayName4	Telephone name of profile 4	Max:20		sip show tel_name 4
DisplayNameFlag1	Display caller name flag-1	0:disable, 1:enable	1	sip show tel_name_flag 1
DisplayNameFlag2	Display caller name flag-2	0:disable, 1:enable	0	sip show tel_name_flag 2
DisplayNameFlag3	Display caller name flag-3	0:disable, 1:enable	0	sip show tel_name_flag 3
DisplayNameFlag4	Display caller name flag-4	0:disable, 1:enable	0	sip show tel_name_flag 4
DiversionHeaderFlag	to activate / deactivate the feature of redirecting identity and	0:disable, 1:enable	0	sip show diversion_header_flag

[sip]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
	name presentation			
Earlymediatype	RTP policy for early media.	Earlymediatype= 0 --> play RTP for early media, switch to local ringing generation if 180 (no sdp) is received. Earlymediatype= 1 --> play RTP for early media, do not switch to local ringing if 180 (no sdp) is received, and still playing the incomming RTP pkg.	0	sip set early_media_type
ExpireTimeMP1	Primary SIP registration expire time of profile 1	60 ~ 200,000	3600	N/A
ExpireTimeMP2	Primary SIP registration expire time of profile 2	60 ~ 200,000	3600	N/A
ExpireTimeMP3	Primary SIP registration expire time of profile 3	60 ~ 200,000	3600	N/A
ExpireTimeMP4	Primary SIP registration expire time of profile 4	60 ~ 200,000	3600	N/A
ExpireTimeBK1	Backup SIP registration expire time of profile 1	60 ~ 200,000	3600	N/A
ExpireTimeBK2	Backup SIP registration expire time of profile 2	60 ~ 200,000	3600	N/A
ExpireTimeBK3	Backup SIP registration expire time of profile 3	60 ~ 200,000	3600	N/A
ExpireTimeBK4	Backup SIP registration	60 ~ 200,000	3600	N/A

[sip]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
	expire time of profile 4			
NatKeepAliveDest	Destination of NAT keepalive OPTIONS messages	Sip uri, ip address or domain name, max 127 chars		sip set NatkeepaliveDest
NatKeepAliveTimer	Separation in seconds between two consecutive NAT keepalive OPTIONS messages	0 ~ 600	0 (Keepalive disabled)	sip set NatkeepaliveTimer
HGOnSC	a field for hunting group ON starcode	Max:32		sip show HuntingGroupOnSC
HGOffSC	a field for hunting group OFF starcode	Max:32		sip show HuntingGroupOffSC
HGOnSV	To activate hunting group for supervised line	Max:32		sip show HuntingGroupOnSV
HGOffSV	To deactivate hunting group for supervised line	Max:32		sip show HuntingGroupOffSV
ilbc_payload	The RTP payload for codec ILBC	96~127	116	N/A
ilbc133_payload	The RTP payload for codec ILBC 13.3	96~127	120	N/A
MissedCallSummary	Disable/Enable for subscrible missed-call-summary event	0:diable 1:enable	0	
OutBoundProxy0	Outbound Proxy Address			sip show outbnd_pxy_addr
OutBoundPort0	Outbound Proxy Port Number	1~65535	5060	sip show outbnd_pxy_port
OutBoundType	Outbound Proxy Type	0: disable 1: With Pre-Existing Route Set 2: Without Pre-Existing Route Set	0	sip show outbnd_type

[sip]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
P-AssertedIDforCallee	~~Select Called Party presentation and Call log storage source: P Ass ID in 200 OK or dialed digits~~ **This variable has been overridden now by CalledDisplay Prior**	~~0: Dialed digits are used 1: P Asserted id in 200 OK is used~~	0	
ProfileName1	Profile name-1		Profile 1	sip show pro_name 1
ProfileName2	Profile name-2		Profile 2	sip show pro_name 2
ProfileName3	Profile name-3		Profile 3	sip show pro_name 3
ProfileName4	Profile name-4		Profile 4	sip show pro_name 4
PrivacyFlag1	Privacy	4:disable 5:enable	4	sip set privacy 1 <type> <on/off>
ProxyServerMP1	Primary proxy server address of profile 1	No limit		sip show pxy_srvmp 1
ProxyServerMP2	Primary proxy server address of profile 2	No limit		sip show pxy_srvmp 2
ProxyServerMP3	Primary proxy server address of profile 3	No limit		sip show pxy_srvmp 3
ProxyServerMP4	Primary proxy server address of profile 4	No limit		sip show pxy_srvmp 4
ProxyServerBK1	Backup proxy server address of profile 1	No limit		sip show pxy_srvbk 1
ProxyServerBK2	Backup proxy server address of profile 2	No limit		sip show pxy_srvbk 2
ProxyServerBK3	Backup proxy server address of profile 3	No limit		sip show pxy_srvbk 3
ProxyServerBK4	Backup proxy server address of profile 4	No limit		sip show pxy_srvbk 4
RegEventServer	Registration Event server address for future Login/logout			

[sip]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
	feature			
Regid1	User name for SIP authentication-1	Max:31		sip show reg_id 1
Regid2	User name for SIP authentication-2	Max:31		sip show reg_id 2
Regid3	User name for SIP authentication-3	Max:31		sip show reg_id 3
Regid4	User name for SIP authentication-4	Max:31		sip show reg_id 4
regpwd1	Password for SIP authentication-1	Max:31		sip show reg_pwd 1
regpwd2	Password for SIP authentication-2	Max:31		sip show reg_pwd 2
regpwd3	Password for SIP authentication-3	Max:31		sip show reg_pwd 3
regpwd4	Password for SIP authentication-4	Max:31		sip show reg_pwd 4
RegisterServerMP1	Primary SIP server address of profile 1	FQDN / IPv4	10.1.24.222	sip show reg_srvmp 1
RegisterServerMP2	Primary SIP server address of profile 2	FQDN / IPv4		sip show reg_srvmp 2
RegisterServerMP3	Primary SIP server address of profile 3	FQDN / IPv4		sip show reg_srvmp 3
RegisterServerMP4	Primary SIP server address of profile 4	FQDN / IPv4		sip show reg_srvmp 4
RegisterServerBK1	Backup SIP server address of profile 1	FQDN / IPv4		sip show reg_srvbk 1
RegisterServerBK2	Backup SIP server address of profile 2	FQDN / IPv4		sip show reg_srvbk 2

[sip]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
RegisterServerBK3	Backup SIP server address of profile 3	FQDN / IPv4		sip show reg_srvbk 3
RegisterServerBK4	Backup SIP server address of profile 4	FQDN / IPv4		sip show reg_srvbk 4
RtpPort	RTP Port	39152 ~ 65000	41000	sip show rtp_port
ReTransTimer1	T1 timer(ms)		500	N/A
ReTransTimer2	T2 timer(ms)		4	N/A
RegEventServer	User part of Registration event server for Login/Logout feature			
RegisterFrequencyMP1	Primary SIP server Register re-attempt frequency of profile 1		600	sip show reg_freqmp 1
RegisterFrequencyMP2	Primary SIP server Register re-attempt frequency of profile 2		600	sip show reg_freqmp 2
RegisterFrequencyMP3	Primary SIP server Register re-attempt frequency of profile 3		600	sip show reg_freqmp 3
RegisterFrequencyMP4	Primary SIP server Register re-attempt frequency of profile 4		600	sip show reg_freqmp 4
RegisterFrequencyBK1	Backup SIP server Register re-attempt frequency of profile 1		600	sip show reg_freqbk 1
RegisterFrequencyBK2	Backup SIP server Register re-attempt frequency of profile 2		600	sip show reg_freqbk 2
RegisterFrequencyBK3	Backup SIP server Register re-attempt frequency of profile 3		600	sip show reg_freqbk 3
RegisterFrequencyBK4	Backup SIP server Register re-attempt frequency of		600	sip show reg_freqbk 4

[sip]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
	profile 4			
REQ_URI_with_port	Add port in request URI or not	0:disable 1:enable	1	sip show REQ_URI_with_port
RFC2833	RFC2833's flag	0:disable 1:enable	1	sip show 2833flag
RFC2833_rtp_pltype	RFC2833's RTP payload type	96~127	96	sip show 2833_rtp_pltype
RFC3262	RFC3262's flag	0:disable 1:enable	0	sip show 3262flag
RandomCSeqFlag	Random CSeq for INVITE	0:disable 1:enable	0	sip show random_cseq_flag
RandomRTPPortFlag	Random RTP port	0:disable 1:enable	0	sip show random_rtp_port
SCAMainLinePrivate	To indicate the Main Line is Private or Share	0:share 1:private	0	sip show SCAMainLinePrivate
ServiceDomainMP1	Primary SIP Service domain of profile 1	FQDN / IPv4		sip show domainmp 1
ServiceDomainMP2	Primary SIP Service domain of profile 2	FQDN / IPv4		sip show domainmp 2
ServiceDomainMP3	Primary SIP Service domain of profile 3	FQDN / IPv4		sip show domainmp 3
ServiceDomainMP4	Primary SIP Service domain of profile 4	FQDN / IPv4		sip show domainmp 4
ServiceDomainBK1	Backup SIP Service domain of profile 1	FQDN / IPv4		sip show domainbk 1
ServiceDomainBK2	Backup SIP Service domain of profile 2	FQDN / IPv4		sip show domainbk 2
ServiceDomainBK3	Backup SIP Service domain of profile 3	FQDN / IPv4		sip show domainbk 3
ServiceDomainBK4	Backup SIP Service domain of profile 4	FQDN / IPv4		sip show domainbk 4
SessionExpire	Session expire time	100 ~ 9999	1800	sip show ses_exp
SessionExpireMin	Minimum session expire that IPP would accept	100 ~ 1800	100	sip show min_ses
SessionMethod	Session Refresh Method	0:Invite 1:Update	0	sip show ses_method
SessionRefresher			0	sip show ses_refresher

[sip]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
SharedCallAppearance	Select Call Appearance mode	0: Disabled 1: Broadsoft SCA 2: Sylantro BLA	0	
sip_instance_id	Enable/disable sip.instance parameter	0: disabled 1: enabled	0	sip set sip_ins
SFOnSC	a field for Secretarial Filtering ON starcode	Max:32		sip show SecretarialFilteringOnSC
SFOffSC	a field for Secretarial Filtering OFF starcode	Max:32		sip show SecretarialFilteringOffSC
SFOnSV	To activate Secretarial Filtering for supervised line	Max:32		sip show SecretarialFilteringOnSV
SFOffSV	To deactivate Secretarial Filtering for supervised line	Max:32		sip show SecretarialFilteringOffSV
sip_portMP1	SIP Local Port for Primary Server-1	1025 ~49151	5060	sip show sip_pxy_portmp 1
sip_portMP2	SIP Local Port for Primary Server-2	1025 ~49151	5060	sip show sip_pxy_portmp 2
sip_portMP3	SIP Local Port for Primary Server-3	1025 ~49151	5060	sip show sip_pxy_portmp 3
sip_portMP4	SIP Local Port for Primary Server-4	1025 ~49151	5060	sip show sip_pxy_portmp 4
sip_portBK1	SIP Local Port for Backup Server-1	1025 ~49151	5060	sip show sip_pxy_portbk 1
sip_portBK2	SIP Local Port for Backup Server-2	1025 ~49151	5060	sip show sip_pxy_portbk 2
sip_portBK3	SIP Local Port for Backup Server-3	1025 ~49151	5060	sip show sip_pxy_portbk 3
sip_portBK4	SIP Local Port for Backup Server-4	1025 ~49151	5060	sip show sip_pxy_portbk 4
sip_reg_srv_portMP1	Register port for Primary Server-1	1025 ~49151	5060	sip show sip_reg_portmp 1
sip_reg_srv_portMP2	Register port for Primary Server-2	1025 ~49151	5060	sip show sip_reg_portmp 2

[sip]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
sip_reg_srv_portMP3	Register port for Primary Server-3	1025 ~49151	5060	sip show sip_reg_portmp 3
sip_reg_srv_portMP4	Register port for Primary Server-4	1025 ~49151	5060	sip show sip_reg_portmp 4
sip_reg_srv_portBK1	Register port for Backup Server-1	1025 ~49151	5060	sip show sip_reg_portbk 1
sip_reg_srv_portBK2	Register port for Backup Server-2	1025 ~49151	5060	sip show sip_reg_portbk 2
sip_reg_srv_portBK3	Register port for Backup Server-3	1025 ~49151	5060	sip show sip_reg_portbk 3
sip_reg_srv_portBK4	Register port for Backup Server-4	1025 ~49151	5060	sip show sip_reg_portbk 4
sip_pxy_srv_portMP1	Proxy port for Primary Server-1	1025 ~49151	5060	sip set sip_pxy_portmp 1 <1025 ~ 49151>
sip_pxy_srv_portMP2	Proxy port for Primary Server-2	1025 ~49151	5060	sip set sip_pxy_portmp 2 <1025 ~ 49151>
sip_pxy_srv_portMP3	Proxy port for Primary Server-3	1025 ~49151	5060	sip set sip_pxy_portmp 3 <1025 ~ 49151>
sip_pxy_srv_portMP4	Proxy port for Primary Server-4	1025 ~49151	5060	sip set sip_pxy_portmp 4 <1025 ~ 49151>
sip_pxy_srv_portBK1	Proxy port for Backup Server-1	1025 ~49151	5060	sip set sip_pxy_portbk 1 <1025 ~ 49151>
sip_pxy_srv_portBK2	Proxy port for Backup Server-2	1025 ~49151	5060	sip set sip_pxy_portbk 2 <1025 ~ 49151>
sip_pxy_srv_portBK3	Proxy port for Backup Server-3	1025 ~49151	5060	sip set sip_pxy_portbk 3 <1025 ~ 49151>
sip_pxy_srv_portBK4	Proxy port for Backup Server-4	1025 ~49151	5060	sip set sip_pxy_portbk 4 <1025 ~ 49151>
Specific_IP_flag	Enable/disable ip filtering for RTP streams	0: RTP accepted from negot port and any ip addr 1: RTP only accepted from negot ip	0	sip show Specific_IP_flag
SubscriptionExpire	Subscription expire time for MWI		3600	sip show sub_exp
SubscriptionExpireCB	Subscription expire time for		60	sip show sub_exp_cb

[sip]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
	CCBS			
HeaderCompact	Enable/disable SIP messages using compact header		0	sip show hdr_compact
SubscribeDilaogBeforeLogin	For Login feature, Enable or disable Subscribe to dialog before registering to a new account	0: disable subscription 1: enable subscription (def)	1	sip set subdlgbflogin_flag <0|1>
subscribe_event	Enable or disable MWI function	0:disable 1:enable	0	sip show subscribe_event
sw_anon_reject	Anonymous Incoming call blocking	0:disable 2:enable	0	sip show sw anony_reject
sw_CF	Call Forward	0:disable 2:enable	0	sip show sw call_fwd
sw_CFA	Call Forward Always	0:disable 2:enable	0	sip show sw CFA
sw_CFNA	Call Forward No Answer	0:disable 2:enable	0	sip show sw CFNA
sw_CFB	Call Forward Busy	0:disable 2:enable	0	sip show sw CFB
sw_not_disturb	Do Not Disturb	0:disable 2:enable	0	sip show sw not_disturb
sw_call_park	Call Park function	0:disable 1:enable	0	sip set sw call_park (on/off)
sw_notify_autoprovision	Use SIP Notify to launch Autoprovision	1:activate 0:deactivate	0	sip show sw notify_autoprovision
sw_tr_vmail_address1	Voice Mail number-1	Max:24		sip set sw tr_vmail_addr 1 <addres>
sw_tr_vmail_address2	Voice Mail number-2	Max:24		sip set sw tr_vmail_addr 2 <addres>
sw_tr_vmail_address3	Voice Mail number-3	Max:24		sip set sw tr_vmail_addr 3 <addres>
sw_tr_vmail_address4	Voice Mail number-4	Max:24		sip set sw tr_vmail_addr 4 <addres>
sw_tr_vmail_flag	Enable or disable transfer to voice mail function	0:disable 2:enable	0	sip set sw tr_vmail_flag <profile> <on/off>
sw_park_srv_addr0	Reserved for future			N/A

[sip]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
TEL1Number	Telephone number of profile 1	Max:24		sip set tel_num 1 <Tel>
TEL2Number	Telephone number of profile 2	Max:24		sip set tel_num 2 <Tel>
TEL3Number	Telephone number of profile 3	Max:24		sip set tel_num 3 <Tel>
TEL4Number	Telephone number of profile 4	Max:24		sip set tel_num 4 <Tel>
TEL01Use	To activate the profile 1	0:deactivate 1.activate	1	sip set profile_used
TEL02Use	To activate the profile 2	0:deactivate 1.activate	0	sip set profile_used
TEL03Use	To activate the profile 3	0:deactivate 1.activate	0	sip set profile_used
TEL04Use	To activate the profile 4	0:deactivate 1.activate	0	sip set profile_used
TransferUseContact	Populate Refer-to header with Contact or r-uri of 2nd dialog	0: use r-ruri 1: use Contact	1	
TransferOnRingSC	a field for on ring transfer starcode	Max:32		sip show TransferOnRingSC
TransportFlgMP1	SIP over TCP/UDP/TLS-1	0:UDP 1:TCP 2:TLS	0	sip show transportmp 1
TransportFlgMP2	SIP over TCP/UDP/TLS-2	0:UDP 1:TCP 2:TLS	0	sip show transportmp 2
TransportFlgMP3	SIP over TCP/UDP/TLS-3	0:UDP 1:TCP 2:TLS	0	sip show transportmp 3
TransportFlgMP4	SIP over TCP/UDP/TLS-4	0:UDP 1:TCP 2:TLS	0	sip show transportmp 4
TransportFlgBK1	SIP over TCP/UDP/TLS for backup profile-1	0:UDP 1:TCP 2:TLS	0	sip show transportbk 1
TransportFlgBK2	SIP over TCP/UDP/TLS for backup profile-2	0:UDP 1:TCP 2:TLS	0	sip show transportbk 2
TransportFlgBK3	SIP over TCP/UDP/TLS for backup profile-3	0:UDP 1:TCP 2:TLS	0	sip show transportbk 3
TransportFlgBK4	SIP over TCP/UDP/TLS	0:UDP 1:TCP	0	sip show transportbk 4

[sip]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
	for backup profile-4	2:TLS		
TrVoiceMailFlg1	local/starcode flag for transfer to voicemail-1	local sc	local	sip set TrVoiceMailFlg 1 (local|sc)
TrVoiceMailFlg2	local/starcode flag for transfer to voicemail-2	local sc	local	sip set TrVoiceMailFlg 2 (local|sc)
TrVoiceMailFlg3	local/starcode flag for transfer to voicemail-3	local sc	local	sip set TrVoiceMailFlg 3 (local|sc)
TrVoiceMailFlg4	local/starcode flag for transfer to voicemail-4	local sc	local	sip set TrVoiceMailFlg 4 (local|sc)
TrVoiceMailOnSC1	a field for transfer to voicemail ON starcode-1	Max:32		sip set TrVoiceMailOnSC 1 (starcode)
TrVoiceMailOnSC2	a field for transfer to voicemail ON starcode-2	Max:32		sip set TrVoiceMailOnSC 2 (starcode)
TrVoiceMailOnSC3	a field for transfer to voicemail ON starcode-3	Max:32		sip set TrVoiceMailOnSC 3 (starcode)
TrVoiceMailOnSC4	a field for transfer to voicemail ON starcode-4	Max:32		sip set TrVoiceMailOnSC 4 (starcode)
TrVoiceMailOffSC1	a field for transfer to voicemail OFF starcode-1	Max:32		sip set TrVoiceMailOffSC 1 (starcode)
TrVoiceMailOffSC2	a field for transfer to voicemail OFF starcode-2	Max:32		sip set TrVoiceMailOffSC 2 (starcode)
TrVoiceMailOffSC3	a field for transfer to voicemail OFF starcode-3	Max:32		sip set TrVoiceMailOffSC 3 (starcode)
TrVoiceMailOffSC4	a field for transfer to voicemail OFF starcode-4	Max:32		sip set TrVoiceMailOffSC 4 (starcode)
TrVoiceMailRingSC1	a field for transfer to voicemail on ringing starcode -1	Max:32		sip set TrVoiceMailRingSC 1 (starcode)
TrVoiceMailRingSC2	a field for transfer to	Max:32		sip set TrVoiceMailRingSC 2

[sip]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
	voicemail on ringing starcode -2			(starcode)
TrVoiceMailRingSC3	a field for transfer to voicemail on ringing starcode -3	Max:32		sip set TrVoiceMailRingSC 3 (starcode)
TrVoiceMailRingSC4	a field for transfer to voicemail on ringing starcode -4	Max:32		sip set TrVoiceMailRingSC 4 (starcode)
use_PrivateNumber	A flag to notify the end-user with a more legible number	0:Disable 1:Enable	0	sip show use_PrivateNbr_flag
UseContactInSubscribe	A flag to decide if use the Contact header field of the NOTIFY for subsequent SUBSCIBE requests	0:Disable 1:Enable	0	sip how usecontactinsubscribe
USRPhoneFlg	Number Display	0:off 1:on	1	sip show user_phone
UnRegister_priorFlgMP1	Disable un-register before sending register message for Primary Server-1	0:disable 1:enable	1	sip show unreg_priormp 1
UnRegister_priorFlgMP2	Disable un-register before sending register message for Primary Server-2	0:disable 1:enable	1	sip show unreg_priormp 2
UnRegister_priorFlgMP3	Disable un-register before sending register message for Primary Server-3	0:disable 1:enable	1	sip show unreg_priormp 3
UnRegister_priorFlgMP4	Disable un-register before sending register message for Primary Server-4	0:disable 1:enable	1	sip show unreg_priormp 4

[sip]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
UnRegister_priorFlgBK1	Disable un-register before sending register message for Backup Server-1	0:disable 1:enable	1	sip show unreg_priorbk 1
UnRegister_priorFlgBK2	Disable un-register before sending register message for Backup Server-2	0:disable 1:enable	1	sip show unreg_priorbk 2
UnRegister_priorFlgBK3	Disable un-register before sending register message for Backup Server-3	0:disable 1:enable	1	sip show unreg_priorbk 3
UnRegister_priorFlgBK4	Disable un-register before sending register message for Backup Server-4	0:disable 1:enable	1	sip show unreg_priorbk 4
VoiceTxGain	For system usage only		-3	N/A
VoiceRxGain	For system usage only		-3	N/A
VoiceTxGain5	For system usage only		-6	N/A
VoiceRxGain5	For system usage only		-6	N/A
VoiceMailAddr	Voice Mail Server Address	FQDN / IPv4		sip show vmail_addr
VoiceMailTelNum	Voice Mail Number	FQDN / IPv4		sip show vmail_telnum
VoiceMailPort	Voice Mail Server Port	1025~49151	5060	sip show vmail_port
URLTypeMP1	URL type for profille 1	0: sip 1: tel 2: sips	0	sip show url_typemp 1
URLTypeMP2	URL type for profille 2	0: sip 1: tel 2: sips	0	sip show url_typemp 2
URLTypeMP3	URL type for profille 3	0: sip 1: tel 2: sips	0	sip show url_typemp 3
URLTypeMP4	URL type for profille 4	0: sip 1: tel 2: sips	0	sip show url_typemp 4
URLTypeBK1	URL type for backup profile 1	0: sip 1: tel 2: sips	0	sip show url_typebk 1

[sip]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
URLTypeBK2	URL type for backup profile 2	0: sip 1: tel 2: sips	0	sip show url_typebk 2
URLTypeBK3	URL type for backup profile 3	0: sip 1: tel 2: sips	0	sip show url_typebk 3
URLTypeBK4	URL type for backup profile 4	0: sip 1: tel 2: sips	0	sip show url_typebk 4

1.2.4. SNMP

Important note for SGx.61: SNMP is not supported in this version. Related parameters if included in APS will produce an error

[snmp]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
commRW1	SNMP community authority-1	R:read, W:write	0	snmp set comm1 <Community name> < read/write>
commRW2	SNMP community authority-2	R:read, W:write	0	snmp set comm2 <Community name> < read/write>
commRW3	SNMP community authority-3	R:read, W:write	0	snmp set comm3 <Community name> < read/write>
Flag	SNMP flag	0:disable, 1:enable	1	snmp set flag <0: Disable; 1: Enable>
Filter	SNMP manager filter	0: Filter All 1: Allow All 2: Limited	1	snmp set filter <0: Filter All/ 1: Allow All/ 2: Limited>
snmpManager1	SNMP manager-1		0.0.0.0	snmp set manager 1 <SNMP Manager IP>
snmpManager2	SNMP manager-2		0.0.0.0	snmp set manager 2 <SNMP Manager IP>
snmpManager3	SNMP manager-3		0.0.0.0	snmp set manager 3 <SNMP Manager IP>
snmpManager4	SNMP manager-4		0.0.0.0	snmp set manager 4 <SNMP Manager IP>
snmpManager5	SNMP manager-5		0.0.0.0	snmp set manager 5 <SNMP Manager IP>
sysTrapSrv	TRAP server address		10.1.29.170	snmp set trap <Trap Server IP>

sysCommName1	SNMP community name-1		public	snmp set comm1 <Community name> < read/write>
sysCommName2	SNMP community name-2			snmp set comm2 <Community name> < read/write>
sysCommName3	SNMP community name-3			snmp set comm3 <Community name> < read/write>
sysContact	The contact of the setting	chars	Thomson	
sysDescr	The description of the setting	chars	Thomson IP Phone	
sysLocation	The location of the setting	chars	France	
sysName	The name of the setting	chars	ST2030 SIP	
TrapLevel	Trap level	0 : Enable All SNMP Traps 1 : Enable Critical/Major/Minor SNMP Traps 2 : Enable Critical/Major SNMP Traps 3 : Enable Critical SNMP Traps 4 : Disable All SNMP Traps	1	snmp set level <0-4>

1.2.5. SYS

[sys]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
AEC	Diable/Enable Acoustic Echo Cancellation	0:disable 1:enable	1	
BLFType	Type of BLF that is active	0: User-Oriented BLF is active 1: List-oriented BLF is active	0	sys set blf_type [0(User-oriented BLF), 1(List-oriented BLF)]

[sys]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
BLFListSipUri	URI of the List to subscribe in List-oriented BLF	L/<sip:user@domain>	L/<sip:>	sys set blf_uri <uri_string>
CodecAdaptivePlayout	Enable/disable adaptive jitter buffer per codec	0: Fixed length jitter buffer 1: Adaptive jitter buffer	g711a(1)g711mu(1)g729(1)g723(1)	sys set adj_playout <coding> <0:Fixed 1:Adaptive> (0:[G.711A] 1:[G.711U] 2:[G.723] 3:[G.729])
CodecJitterBufMult	Number of packets in jitter buffer (min/nom/max) per codec	g711a(min/nom/max)g711mu(min/nom/max)g729(min/nom/max)g723(min/nom/max)	g711a(1/2/4)g711mu(1/2/4)g729(1/2/4)g723(1/2/4)	sys set jitter_buf <coding> <min> <mon> <max> (0:[G.711A] 1:[G.711U] 2:[G.723] 3:[G.729])
CodecPktime	Packet size in msec per codec	g711a(size)g711mu(size)g729(size)g723(size)	g711a(10)g711mu(10)g729(10)g723(30)	
CodecPriority	Priority assigned to each codec	1~4 for each codec, 0 means disable g711a(pr)g711mu(pr)g729(pr)g723(pr)	g711a(1)g711mu(2)g729(3)g723(4)	sip set codec_pri <g711a_pri> <g711mu_pri> <g729_pri> <g723_pri> => Codec_Pri 0~4 , 0:Not Use 1:Highest, 4:Lowest
CountryCode	Country Tone selection	US: United States FR: France GB: United Kingdom De: Germany NL: Netherlands IT: Italy ES: Spain CZ: Czech Rep. PL: Portugal SI: Slovenia AT: Austrian XX: UNITED STATES.	US	sys show country
config_sn	Serial number for Configuration file(MAC config file only)	12 digit fixed	200402190001	N/A
Current_Max_Multiline	Numbers of multilines that IPP can support	1 ~ 10	10	sys show max_mtline

[sys]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
Dialednum_timeout	Dial-out timeout	0:deactivate	4	sys set dialednum_timeout <sec>
DisableCWtone	Enable or disable Call Waiting tone	1:disable 0:enable	0	
dtmf_mode_flag	Switch dtmf mode	0:In Band 1:Out of Band(2833) 4:SIP INFO	1	N/A
EmergencyDialPlan	Set up Emergency Dial Plan		|911|11x|1[2-8]|	sys show emg_dialplan
FeatureKeyExt01 .. FeatureKeyExt66	Configure feature key as line key or supervision key for monitor extension	L: Line Key S: Supervision Key (Max:256 Supervision not applicable to ST2022) G: Sylantro Group Pickup R: Sylantro last number recall B: Sylantro BLA extension E:Extension Tekelec (not applicable to ST2022) D:DTMF V:Service U:Service Supervision A: Broadsoft SCA M: multi-registration	L/<sip:>	sys show fk 1 .. sys show fk 66
FeatureKeyOpt01 … FeatureKeyOpt66	To decide the kind of use-oriented BLF	0:disable 1:enable(only ua-profile is enable, those service variable is available)	dialog(1)regDND(0)ua-profile(0:cfu(0)dnd(0)sf(0)hg(0))	For example(FeatureKeyOpt05=dialog(1)regDND(0)ua-profile(0:cfu(0)dnd(0)sf(0)hg(0))): sys set fk_blf_opt 5 1 0 0 sys set fk_blf_service 5 cfu(0)dnd(0)sf(0)hg(0)

[sys]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
FKExt01_sec … FKExt66_sec	Configure feature key to speeddial as SIPS URI	1:ON 0:OFF	0	sys show fksec 1 … sys show fksec 66
MGC_service	MGC Service function	0 : diable 1 : HW_pstn 2 : Cirpack MGC service	0	sys show mgc_service
NormalDigitFlag	Dialed number is sent when the user presses #	0:like "OK" 1:normal digit	1	sys show normaldigit
Packet_loss_cps	Diable/Enable Packet loss compensation	0:disable 1:enable	1	
PBXconfiguration	To indicate the phone is behind a PBX	0:no 1:yes	0	sys show PBXconfiguration
PBXprefix	To indicate the PBX prefix to access to the public network	1 digit		sys show PBXprefix
PCallLogURL	In Login/logout environment, url to download Call log file	http or https url		
PSettingURLdl	In Login/logout environment, url to download Personal Settings file	http or https url		
PSettingURLul	In Login/logout environment, url to upload Personal Settings file	http or https url		
RCallLogFlg	To decide use the local call log or remote call log	0:local 1:remote	0	
RCallLogURL	the URL used to download the the remote call log file	http or https url		

[sys]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
Phonebook1_url Phonebook2_url Phonebook3_url Phonebook4_url Phonebook5_url Phonebook6_url Phonebook7_url Phonebook8_url	Remote Phonebook URL	Max:255		sys set pb_url 1 [url] sys set pb_url 2 [url] sys set pb_url 3 [url] sys set pb_url 4 [url] sys set pb_url 5 [url] sys set pb_url 6 [url] sys set pb_url 7 [url] sys set pb_url 8 [url]
Phonebook1_name Phonebook2_name Phonebook3_name Phonebook4_name Phonebook5_name Phonebook6_name Phonebook7_name Phonebook8_name	Remote Phonebook Name (If Phonebook URL is present but phonebook name isn't, "Directory" will be the default.)	Max:18		sys set pb_name 1 [name] sys set pb_name 2 [name] sys set pb_name 3 [name] sys set pb_name 4 [name] sys set pb_name 5 [name] sys set pb_name 6 [name] sys set pb_name 7 [name] sys set pb_name 8 [name]
ServiceSupervisionFK	The position of the first FK for Service Supervision	Current_Max_Multiline +1 to the max number of available function keys Not applicable to ST2022	Current_Max_Multiline +1	sys show ServiceSupervision Start
ServiceSupOrder	The rank of the FK affected to this service	0~4 for each service, 0 stands for disable	callfwd(0)dnd(0)secFilter(0)huntgroup(0)	sys show ServiceSupervision Order
softkey01 softkey02 softkey03 softkey04 softkey05 softkey06 softkey07	Make possible to change the soft keys layout on the phone's screen **(ST2030 only)**	TrVoiceMail CallLog PickUp LockPhone VoiceMail RetrievePark DNDstate	softkey01=TrVoiceMail softkey02=CallLog softkey03=PickUp softkey04=LockPhone softkey05=VoiceMail softkey06=RetrievePark softkey07=DNDstate	

[sys]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
softkey08 softkey09 softkey10 softkey11 softkey12		ShortCut1 ShortCut2 ACDCheckIn ACDAvailable Login	softkey08=ShortCut1 softkey09=ShortCut2 softkey10=ACDCheckIn softkey11=ACDAvailable softkey12=Login	
StartSpareFK	First function key to be used for List-oriented BLF	Current_Max_Multiline +1 to the max number of available function keys Not applicable to ST2022	Current_Max_Multiline +1	
SuppressRTCP	Disable/enable RTCP sending	0:send RTCP 1:suppress RTCP	0	
SRTPFlag	Disable/enable Secure outgoing calls	0: Disable 1: Enable	0	sys show srtp
TelnetID	ID for administrator mode	Max:31	administrator	sys show id
TelnetPWD	Password for administrator mode in Telnet	6 char(fixed length)	789234	sys show telpwd
UserID	ID for user mode	Max:31	user	sys show uid
UserPWD	Password for user mode	4 char fixed or blank		sys show upwd
VAD	Silence Suppression function	0: Disable 1: Enable	0	N/A
VOIPDialPlan	Set up VoIP Dial Plan			sip show voip_dialplan
WebPWD	Password for administrator mode in Web and MMI	6 char(fixed length)	784518	sys show pwd
2833_volume	"Volume" parameter for RFC2833 RTP Events	0~63	0	

1.2.6. Auto Provision

[autoprovision]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
AutoprovisionFlag	Enable or disable autoprovision function	0:Off 1:On	1	autoprovision set flag
AutoprovisionHTTPServer	Autoprovision HTTP Server address	Max:256		autoprovision set HTTPserver 192.168.1.1

[autoprovision]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
AutoprovisionTFTPServer	Autoprovision TFTP Server address	Max:256		autoprovision set TFTPserver 192.168.1.1
AutoprovisionFilename	For system usage only			
AutoprovisionTimeDays	IPP will perform autoprovision at this time period	0~255	0	autoprovision set nextchecktime 1 11:45 60
Autoprovisionstarttime	IPP will perform autoprovision at this time		11:45	
AutoprovisionTimeSpan	IPP will pick random time within this period to do autoprovision	0~255	0	
AutoprovisionRetryPeriod	APS retry period (sec)		30	autoprovision set retryperiod 30
AutoprovisionConfigname	INF name if option 67 is not present. Default is last 6 digit of MAC address with INF extension, 112233.inf	Max:31		autoprovision set genfile name.txt
Decryption_Key	A Decryption Key used to decrypt com/mac file	Max:16	Th0mson2$8s8@9z!	

1.2.7. QoS

[qos]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
DSCP1	Diffserv setting for Voice RTP	0~63	46	qos set dscp 1 46
DSCP2	Diffserv setting for Voice Signaling	0~63	40	qos set dscp 2 40
TOS	Type of Service setting	0 ~ 255	160	qos set tos 160
VLANid1	VLAN ID for voice	1 ~ 4094	1	qos set vid voice 1
VLANid2	VLAN ID for data	1 ~ 4094	1	qos set vid data 1
VLANTag1	VLAN priority for RTP & signaling	0 ~ 7	6	qos set vtag voice 6
VLANTag2	Not used	0 ~ 7	6	Not used
VLANTagdata	VLAN Priority for data port incoming	0 ~ 7	6	qos set vtag data 6

1.2.8. NTP

[ntp]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
NtpDaylight	Daylight saving time	0:Off 1:On	1	ntp set dst 1
NTPFlag	Enable or disable NTP function	0:Off 1:On	1	ntp set flag 1
NtpIP	NTP server address			ntp set ip 192.168.1.1
NtpMode	Set NTP server from flash or network		0	ntp set mode 0
NtpSyncTime	NTP Recycle Time		1	ntp set sync_time 1
NtpZoneNum	Selected Time Zone on the web page	0~61	23	ntp set zonenum 49

1.2.9. PPPoE

[pppoe]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
PPPoEID	ID for PPPoE connection	Max:64		pppoe set id
PPPoELCPMod	PPPoE LCP mode	0:disable 1:mode-1(60,60,60,60) 2:mode-2(60,5,5,5)	2	pppoe set lcpmode 2
PPPoELCPTimer	PPPoE LCP timer	60~600	60	pppoe set lcptime 60
PPPoEPWD	Password for PPPoE connection	Max:32		pppoe set pwd
PPPoEMTU	PPPoE MTU size	1440~1454	1454	pppoe set mtu 1454

1.2.10. STUN

[stun]				
File System Parameter	**Explanation**	**Syntax**	**Value**	**CLI**
STUNSrv	STUN server			stun set server
STUNPort	STUN port number		0	stun set port
STUNFlag	Enable STUN Server	0:disable 1:enable	0	stun set flag

1.2.11. UPnP

[upnp]

File System Parameter	Explanation	Syntax	Value	CLI
UpnPFlag	UPnP Control Point	1:Off 3:Control Point	1	

1.2.12.Customer

[customer]				
File System Parameter	Explanation	Syntax	Value	CLI
sw_call_wait	Call Waiting	0:disable 1:enable	SG=1 SI=0	sip show sw call_wait

Appendix A: Option Menu Setting

The default value of "OptionVisible" is 8191. First this value will be converted into binary format. Therefore, it will be 1111111111111, and we will add 3 Zeros in front for future use. The result will be 0001111111111111.

Bit	Option Menu	Syntax
1	Reserved for future use	
2	Reserved for future use	
3	Reserved for future use	
4	Reboot	
5	PhoneLock	
6	DoNotDisturb	
7	NumberDisplay	
8	AutoTurnOffSPK	
9	AutoStop	0:disable
10	AutoReject	1:enable
11	AutoAnswer	
12	AnonymBlock	
13	CallWaiting	
14	CallForward	
15	CallBlocking	
16	DialSubscribe	

Appendix B: Time Zone List

NTP time zone parameter values for command "**ntp set zonenum <0~63>**"

Zone No.	Time Zone	Countries
0	(GMT-12:00)	Eniwetok, Kwajalein
1	(GMT-11:00)	Midway Island, Samoa
2	(GMT-10:00)	Hawaii
3	(GMT-09:00)	Alaska
4	(GMT-08:00)	Pacific Time(US & Canada); Tijuana
5	(GMT-07:00)	Arizona
6	(GMT-07:00)	Mountain Time(US & Canada)
7	(GMT-06:00)	Central Time(US & Canada)
8	(GMT-06:00)	Mexico City, Tegucigalpa
9	(GMT-06:00)	Central America, Mexico City,Saskatchewan
10	(GMT-05:00)	Bogota, Lima, Quito
11	(GMT-05:00)	Eastern Time(US & Canada)
12	(GMT-05:00)	Indiana(East)
13	(GMT-04:00)	Atlantic Time (Canada)
14	(GMT-04:00)	Caracas, La Paz
15	(GMT-03:30)	Newfoundland
16	(GMT-03:00)	Brasilia
17	(GMT-03:00)	Buenos Aires, Georgetown
18	(GMT-02:00)	Mid-Atlantic
19	(GMT-01:00)	Azores, Cape Verde Is.
20	(GMT)	Casablanca, Monrovia
21	(GMT)	Greenwich Mean Time: Dublin, Edinburgh, Lisbon, London
22	(GMT+01:00)	Amsterdam, Copenhagen, Madrid, Paris, Vilnius
23	(GMT+01:00)	Central Europe Time(Belgrade, Sarajevo, Skopje, Sofija, Zagreb)
24	(GMT+01:00)	Bratislava, Budapest, Ljubljana, Prague, Warsaw
25	(GMT+01:00)	Brussels, Berlin, Bern, Rome, Stockholm, Vienna
26	(GMT+02:00)	Athens, Istanbul, Minsk
27	(GMT+02:00)	Bucharest
28	(GMT+02:00)	Cairo
29	(GMT+02:00)	Harare, Pretoria
30	(GMT+02:00)	Helsinki, Riga, Tallinn
31	(GMT+02:00)	Israel
32	(GMT+03:00)	Baghdad, Kuwait, Riyadh
33	(GMT+03:00)	Moscow, St. Petersburg, Volgograd
34	(GMT+03:00)	Nairobi
35	(GMT+03:30)	Tehran
36	(GMT+04:00)	Abu Dhabi, Muscat
37	(GMT+04:00)	Baku, Tbilisi
38	(GMT+04:30)	Kabul
39	(GMT+05:00)	Ekaterinburg
40	(GMT+05:00)	Islamabad, Karachi, Tashkent
41	(GMT+05:30)	Bombay, Calcutta, Madras, New Delhi
42	(GMT+05:45)	Kathmandu
43	(GMT+06:00)	Almaty, Dhaka
44	(GMT+06:00)	Colombo
45	(GMT+06:30)	Rangoon

46	(GMT+07:00)	Bangkok, Hanoi, Jakarta
47	(GMT+08:00)	Beijin, Chongqing, Hong Kong, Urumqi
48	(GMT+08:00)	Perth
49	(GMT+08:00)	Urumqi,Taipei, Kuala Lumpur, Sinapore
50	(GMT+09:00)	Osaka, Sappora, Tokyo
51	(GMT+09:00)	Seoul
52	(GMT+09:00)	Yakutsk
53	(GMT+09:30)	Adelaide
54	(GMT+09:30)	Darwin
55	(GMT+10:00)	Brisbane
56	(GMT+10:00)	Canberra, Melbourne, Sydney
57	(GMT+10:00)	Guam, Port Moresby
58	(GMT+10:00)	Hobart
59	(GMT+10:00)	Vladivostok
60	(GMT+11:00)	Magadan, Solomon Is., New Caledonia
61	(GMT+12:00)	Auckland, Wellington
62	(GMT+12:00)	Fiji, Kamchatka, Marshall Is.
63	(GMT+13:00)	Nuku'alofa

Appendix C: Language List

These are currently supported values for parameter LanguageType in section [ipp]

Value	Language
0	English
1	Francais
2	Español
3	Deutsch
4	Italiano
5	Norsk
6	Russian
7	Portugués
8	Nederlands
9	Extra downloadable language

Appendix D: Country Tone List

These are currently supported values for parameter CountryCode in section [sys]. Tones will be modified by this setting.

Value	Language
US	United States
FR	France
GB	United Kingdom
DE	Germany
NL	Netherlands
IT	Italy
ES	Spain
CZ	Czech Republic
PT	Portugal
SI	Eslovenia
XX	Extra downloadable tone table