InnoMedia ESBC Provisioning TAGs

Document Information

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Abstract:

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1. B2BUA, PRI and ALG

SIP Trunk Setting-Default

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
SIP_TRUNK_SETTING_PROFILE_ID	String(length: 1-40) The Profile name of the Default Trunk Setting	• If no TAG or TAG value blank, the ESBC uses original value. • Valid input value may only contain letters, digits, spaces and the following characters , ; . : _ - ()/& • If the input value contains Illegal characters, or the profile name to which this profile ID refers is used by another profile, the ESBC uses original values.	1. If the Default profile is defined, the ESBC updates TAG values to the default profile. Otherwise, the ESBC updates TAG values to the profile at the top of the list. 2. All UAs are assigned to this profile. 3. If SIP_TRUNK_DOMAIN (domain) TAG value is blank but "SIP_TRUNK_PROXY" (proxy) TAG value is valid, the ESBC sets domain the same as proxy. 4. If SIP_TRUNK_PROXY (proxy) TAG value is blank but "SIP_TRUNK_DOMAIN" (domain) TAG value is valid, the ESBC sets proxy the same as domain. 5. If values of SIP_TRUNK_PROXY and SIP_TRUNK_DOMAIN are both blank, all UAs are void. The ESBC will delete all UAs. 6. If SIP_TRUNK_OUT_BOUND_PROXY TAG value blank, the ESBC sets SIP_TRUNK_OUT_BOUND_PROXY_ENABLE TAG value to 0.
SIP_TRUNK_DOMAIN	String(length: 1-64) Domain name of SIP trunks, support IPv6 address	• If no TAG or TAG value blank, the ESBC uses original value. • Valid input value may only contain letters, digits, ".", ":" and "-" • Maximum string length: 64 characters. Otherwise string will be truncated. • If input value invalid, the ESBC uses original value.	
SIP_TRUNK_PROXY	String(length:1-64) The IP address or host name of the proxy server, support IPv6 address	• If no TAG or TAG value blank, the ESBC uses original value. • Valid input value may only contain letters, digits, ".", ":" and "-" • Maximum string length: 64 characters. Otherwise string will be truncated. • If input value invalid, the ESBC	

		uses original value.	
SIP_TRUNK_PROXY_PORT	Integer(1-65535)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
SIP_TRUNK_OUT_BOUND_PROXY_ENABLE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
SIP_TRUNK_OUT_BOUND_PROXY	String(length: 0-64) The IP address or host name of the outbound proxy server, support IPv6 address	• If no TAG or TAG value blank, the ESBC uses original value. • Valid input value may only contain letters, digits, ".", ":" and "-" • Maximum string length: 64 characters. Otherwise string will be truncated. • If input value invalid, the ESBC uses original value.	
SIP_TRUNK_OUT_BOUND_PROXY_PORT	Integer(1-65535)	• If no TAG or TAG value blank, the ESBC uses original value. If input value invalid, the ESBC uses original value.	
INVITE_RURI_DOMAIN	String(length: 0-64) The domain include in the INVITE-RURI sent to the SIP server, support IPv6 address	• If no TAG, the ESBC uses original value. • TAG value can be blank. • Valid input value may only contain letters, digits, ".", ":" and "-" • Maximum string length: 64 characters. Otherwise string will be truncated. • If input value invalid, the ESBC uses original value.	
SAME_PROXY_REG_INVITE	Integer(1/0) 1: Enable	• If no TAG or TAG value blank, the ESBC uses original value.	

	0: Disable Associated with the item named on WEB configuration page: "The target of the INVITE will be the current registered PROXY"	• If input value invalid, the ESBC uses original value.	
SIP_TRUNK_TRANSPORT	Integer(0/1/2/3) 0: AUTO 1: UDP 2: TCP 3: TLS If TLS is selected, check that the proxy support TLS, and upload the certificate to ESBC through the Web-GUI (page SIP Trunks>Trunks Setting)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
DHCP_OPTION15_ENABLE	Integer(1/0) 1: Enable 0: Disable Learn outbound proxy domain name from DHCP Option 15, if it is enabled, the setting in the outbound proxy is ignored.	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
DHCP_OPTION15_HOSTNAME	String(length: 0-64) Host name prefixed to the outbound proxy domain	• If no TAG, the ESBC uses original value. • TAG value can be blank. • Valid input value may only contain letters, digits, "." and "-" • Maximum string length: 64 characters. Otherwise string will be truncated. • If input value invalid, the ESBC uses original value.	

RETRY_DISCOVERY_MIN_INTERVAL	Integer(>=1), in seconds The minimum time value of SIP Server Discovery interval.	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
RETRY_DISCOVERY_MAX_INTERVAL	Integer(>=1), in seconds The maximum time of SIP Server interval.	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • When the value of MAX_INTERVAL < the value of MIN_INTERVAL, the ESBC uses original values of these two TAGs.	

SIP Trunk Codec Filter

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
CODEC_FILTER_ENABLE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
CODEC_FILTER_SUPPORTED_PTIMES	String(length: 0-80) Format example: "10,20,30" Value range : 10-100	• If no TAG or TAG value blank, then the ESBC uses the original value. • Valid input value may only contain digits and comma • Using comma (,) to delimit multiple input values. • If ptime value is invalid, then ESBC discards this ptime value. • If the whole input string does not contain any single valid ptime value, the ESBC uses original values.	1.

CODEC_PRIORITY	String list:CODEC_ID1,CODEC_ID2,… CODEC_ID:Integer(1-9) Codec ID: 1: G.729A/G.729 2: G.711,u-Law 3: G.711,A-Law 4: G.723.1 5: G.726,24kbps 6: G.726,32kbps 7: G.726,40kbps 8: G.728 9: G.729E for example: "2,1,4" stand for 1 G.711,u-Law 2 G.729A/G.729 3 G.723.1	• If no TAG or TAG value blank, the ESBC uses original value. • Using comma (,) to delimit multiple input values which are of priority order in the list. • Valid input value range for CODEC_ID: 1 – 9 • If this TAG contains no codec, or all TAG values are invalid, the ESBC uses original value.	1.
VIDEO_CODEC_FILTER_ENABLE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
VIDEO_CODEC_PRIORITY	String list:CODEC_ID1,CODEC_ID2,… CODEC_ID:Integer(1-9) Codec ID: 1: H.264 2: H.263-1998 3: H.263 4: H.261 5: MPV for example: "2,1,4" stand for 1) H.263-1998	• Can be blank. If no TAG, the ESBC uses original value. • Using comma (,) to delimit multiple input values which are of priority order in the list. • Valid input value range for CODEC_ID: 1 – 5 • If all TAG values are invalid, the ESBC uses original value.	

	2) H.264 3) H.261		

SIP Trunk Redundancy

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
SIP_SERVER_REDUNDANCY_ENABLE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
SIP_SERVER_REDUNDANCY_APPROACH	Integer(1/0) 1: Input backup server list 0: DNS lookup Obtain the list of redundant sip server by dns lookup or input backup server list	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
TIME_BETWEEN_SIP_OPTIONS	Integer(10-999), in second	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
NUMBER_OF_RECEIVED_SIP_OPTIONS _RESPONSE	Integer(1-99) Number of consecutively received SIP OPTIONS responses to ensure reachability	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
SUCCESSFUL_RETURN_CODE	String(length: 0-100) Treat returned error codes as successful responses (e.g., 480,500-699)	• If no TAG, the ESBC uses original value. • TAG value can be blank. • Use comma (,) to delimit multiple input values. • Valid input value may only contain digits ,“-“and” ,”	

		• TAG values should be within the range of 400 to 699. TAG value could be ranges of which the latter value should be greater than the former value. • Maximum string length: 100 characters. Otherwise the string will be truncated.	
BACKUP_SIP_TRUNK_OUT_BOUND_PROXY	String(length: 0-512) input backup sip outbound server list in priority order, support IPv6 address (e.g., ip0:port0,ip1:port1, for ipv6, [ip0]:port0, [ip1]:port1)	• If no TAG, the ESBC uses original value. • TAG value can be blank. • If there are space characters contained in the input string, the ESBC ignores the space. • Maximum string length: 512 characters. Otherwise the string will be truncated. • Up to 10 groups of backup proxy items • Valid input value of Backup SIP Outbound Proxy Host IP must be the format of IP address, such as 192.168.1.1 or [2001::1] • Valid input value of Port may only contain digits, range from 1 to 65535	
RE_REGISTER_ALTERNATE_SIP_SERVER	Integer(1/0) 1: Enable 0: Disable send RE-REGISTER after switching to alternate sip Server	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
ROUTE_ADVANCE_RETURN_CODE	String(length: 0-100) Advance to the alternate SIP Server when receiving specified error codes (e.g., 480,500-699)	• If no TAG, the ESBC uses original value • TAG value can be blank. • Valid input value may only contain digits ,"-"and ," • TAG values (return codes) should be within 400 to 699. TAG value	

		could be input as ranges of which the latter value should be greater than the former value. • Maximum string length: 100 characters. Otherwise the string will be truncated. • If input value invalid, the ESBC uses original value.	

SIP UA Setting

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
SIP_TRUNK_ENABLE_**M**	Integer(1/0) 1: Enable 0: Disable enable and set trunk line **M**	• If no TAG, the ESBC applies to all related settings of this particular UA with their original values, including user_id, auth_id, etc.	1. Valid range of **M**: 1-200 2. When TAG value of SIP_TRUNK_ENABLE_**M** = 0 (disabled) or input value is invalid, the ESBC voids this UA and deletes all related settings, including user_id, auth_id, etc. 3. When both TAG values of SIP_TRUNK_DOMAIN and SIP_TRUNK_PROXY are blank, ESBC voids this UA and deletes all related settings, including user_id, auth_id, etc. 4. When SIP_TRUNK_USER_ID_**M** TAG value is invalid, the ESBC voids this UA and deletes all related settings, including user_id, auth_id, etc. 5. When SIP_TRUNK_USER_ID_**M** TAG values are duplicate, the ESBC voids this TAG and deletes all related settings, including user_id, auth_id, etc. 6. The following TAGs DO NOT apply to HD-Platform ESBC models. a) SIP_TRUNK_MAP_FXS_PORT_NO_M b) SIP_TRUNK_PRI_GROUP_ID_M
SIP_TRUNK_USER_ID_**M**	String(length: 1-16) SIP user ID assigned to trunk line **M**; usually the phone number	• If no TAG or TAG value blank, the ESBC voids this UA and deletes all related settings, including user_id, auth_id, etc. • Valid input value may only contain letters, digits and the following characters ~ ! ^ ( ) _ } { : [ ] . ; , - * + $ / ? = • Maximum input length: 32 characters. Otherwise the string will be truncated.	
SIP_TRUNK_AUTH_ID_**M**	String(length: 0-128) SIP authentication ID of trunk line **M**, usually the same as the user ID	• If no TAG, the ESBC uses the original value. • TAG value can be blank. • Valid input value may only contain letters, digits and the following characters ~ ! ^ ( ) _ } { : [ ] . ; , - * + $ / ? = • Maximum input length: 128	

		characters. Otherwise the string will be truncated. • If input value invalid, the ESBC uses the original value.	
SIP_TRUNK_PASSWORD_**M** SIP_TRUNK_PASSWORD_ENCRYPTED_**M**	String(length: 0-40, after decryption) SIP authentication password associated with the Auth ID of trunk line **M**	• If no TAG, the ESBC uses the original value. • TAG value can be blank. • After decryption, The valid input value may only contain letters, digits and the following characters ~ ! ^ ( ) _ } { : [ ] . ; , - * + $ / ? = • Maximum input length: 40 characters. Otherwise the string will be truncated. • If input value invalid, the ESBC uses the original value. The TAG for encrypted password overrides the TAG for non-encrypted password	
SIP_TRUNK_DISPLAY_NAME_**M**	String(length: 0-32) caller ID/displayed name of trunk line **M**	• If no TAG, the ESBC uses the original value. • TAG value can be blank. • Valid input value may only contain letters, digits, spaces and the following characters , ; . : _ - Maximum input length: 32 characters. Otherwise the string will be truncated. • If input value invalid, the ESBC uses the original value.	
SIP_TRUNK_SIP_PROFILE_ID_**M**	String(length: 0-40) Trunk SIP profile name of trunk line **M**	• If no TAG or TAG value blank, the ESBC uses the original value. The ESBC applies the default profile (or the profile on the top of the list) to a newly added UA. • Valid input value may only contain letters, digits, spaces and the	

		following characters , ; . : _ - ()/& • When TAG value is invalid, or the associated profile name is not present, the ESBC uses original value. The ESBC applies the default profile (or the profile on the top of the list, if default profile not present) to newly added UAs.	
SIP_TRUNK_PBX_AUTH_PASSWORD_SOURCE_**M**	Integer (0/1) 0: use the inputted PBX authentication password 1: same as the SIP UA authentication password	• If no TAG, the ESBC uses the original value. • If input value invalid, the ESBC uses the original value.	
SIP_TRUNK_PBX_AUTH_PASSWORD_**M** SIP_TRUNK_PBX_AUTH_PASSWORD_ENCRYPTED_**M**	String(length: 0-40) PBX authentication password of trunk line **M**	• If no TAG, the ESBC uses the original value. • TAG value can be blank • Allowed characters are letters, digits and ~!@^()_}{:[].;,-*+/= • If input value invalid, the ESBC uses the original value. The TAG for encrypted password overrides the TAG for non-encrypted password	
SIP_TRUNK_PBX_PROFILE_ID_**M**	String(length: 0-40) PBX profile name of trunk line **M**	• If no TAG or TAG value blank, the ESBC uses original value. The ESBC applies default profile (or the profile on top of list, if default profile not present) to a newly added UA. • may only contain letters, digits, spaces and the following characters , ; . : _ -()/& • When input TAG value invalid, or the associated profile name is not present, the ESBC uses original value. The ESBC applies the default profile (or the profile on	

		the top of the list, if default profile not present) to newly added UAs.	
SIP_TRUNK_SIP_CONTACT_OF_PBX_STATIC_REGISTRATION_**M**	String(length: 0-32) SIP contact of PBX static registration of trunk line **M**	• If no TAG value, then the ESBC uses original value. • TAG value can be blank. • Valid input value may only contain letters, digits and the following characters ~!@^()_}{:[].:,-*+$/?= • Maximum string length: 32 characters. Or the string will be truncated. If input value invalid, the ESBC uses original value.	
SIP_TRUNK_MAP_FXS_PORT_NO_**M**	Integer(-1/1/2/3/4) -1: Don't map to any FXS port 1-4: the FXS port No. this trunk line **M** is assigned to	• If no TAG, the ESBC uses the original value. • Valid input value: -1/1/2/3/4, where the digit 1-4 indicates the FXS port number associated with this UA. The digit negative 1 (-1) indicates this UA is not assigned to any FXS port. • If TAG value invalid, this UA is not an FXS UA. • If this FXS port number has been assigned, ESBC configures this UA as a regular SIP UA.	
SIP_TRUNK_PRI_GROUP_ID_**M**	Integer(-1/1/2) -1: Don't map to any PRI group For ESBC with 2 span： 1-2: the PRI group No. this trunk line **M** is assigned to For ESBC with 1 span： 1: the PRI group No. this trunk line **M** is assigned to	• If no TAG, the ESBC uses original value. • Valid input values: -1/1/2, where 1 and 2 indicates PRI span number associated with this UA. The digit negative 1 (-1) indicates this UA is not assigned to any PRI SPAN (port). • If input value is invalid, this UA is not assigned to any PRI SPAN	

		(port). • If this UA has been assigned to an FXS port number, e.g., SIP_TRUNK_MAP_FXS_PORT_NO_M = 1 (or 2,3,4), this UA cannot be assigned to any PRI SPAN (port).	

SIP UA Register Agents

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
SIP_TRUNK_REGISTER_AGENTS	String "registration-agent-name1/line1 line2, line3 line4, line5-line10, …"; where lineX indicates the Trunk Line ID (in an ordered list). Delimiting each group of UAs by each Register-Agent-group with a COMMA (,). A register-agent-group may have several trunk lines which are delimited by a SPACE. Valid input format, e.g., "name-a/1 2, name-b/3 4, name-c/5-10", where Trunk line 1,3,5 are Main Trunk IDs of their associated groups. registration-agent-name: • String (length: 1-40) • Cannot be blank Allowed characters are letters, digits, spaces and ,;.:_-	• If no TAG, the ESBC uses original value. • If TAG value blank, the ESBC will not apply registration agent for UA registrations. • If no TAG value of registration-agent-name, a default name will be created. • The registration-agent-name must be global unique. • Each Trunk Line ID can only belong to a group and be used once. The ESBC ignores the latter appearance. • When the UA associated with a Trunk Line ID is invalid or not enabled, the ESBC ignores this ID. • The first valid Trunk Line ID in a group is the Main Trunk ID of this register-agent, and the others are member trunks.	

SIP UA Default route

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
SIP_TRUNK_DEFAULT_ROUTING_USER	String	• If no TAG, the ESBC uses original	

_ID	The User ID of the default route UA.	value. • If TAG value blank, the ESBC will not configure Default route UA. • Valid input value may only contain letters, digits and the following characters ~ ! ^ ( ) _ } { : [ ] . ; , - * + $ / ? = • If the designated UA does not exist, the ESBC does not configure Default route UA.	

Test Agent

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
TEST_AGENT_UA_SOURCE	Integer(1/0) 1: Use new SIP UA 0: Use exsiting main trunk	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	1. When _TEST_AGENT_UA_SOURCE_ =0, The following tag values are ignored: TEST_AGENT_MAIN_TRUNK_USER_ID TEST_AGENT_MAIN_TRUNK_TIMEOUT 2. When _TEST_AGENT_UA_SOURCE_ =1, The following tag values are ignored: TEST_AGENT_ENABLE TEST_AGENT_USER_ID TEST_AGENT_DISPLAY_NAME TEST_AGENT_AUTH_ID TEST_AGENT_PASSWORD TEST_AGENT_PASSWORD_ENCRYPTED TEST_AGENT_SIP_PROFILE_ID TEST_AGENT_REGISTER_AGENT_USER_ID
TEST_AGENT_MAIN_TRUNK_USER_ID	String(length: 1-16)	• Valid input value may only contain letters, digits and the following characters ~ ! ^ ( ) _ } { : [ ] . ; , - * + $ / ? = • Maximum input string length: 16 characters. • When input value invalid, the ESBC uses original value.	
TEST_AGENT_MAIN_TRUNK_TIMEOUT	Integer(60-9999), second	• If no TAG or TAG value blank, the ESBC uses original value.	

		• If input value invalid, the ESBC uses original value.	
TEST_AGENT_ENABLE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	1. When one or more of the following conditions happen, the ESBC disables Test Agent and voids values of user_id, auth_id, display_name, password, registration_agent_user_id. - TEST_AGENT_ENABLE = 0 - No TAG defined but test agent is disabled in ESBC. - TAG value of TEST_AGENT_USER_ID blank - TAG value of TEST_AGENT_USER_ID duplicates the user_id of regular SIP UA.
TEST_AGENT_USER_ID	String(length: 1-16)	• Valid input value may only contain letters, digits and the following characters ~ ! ^ ( ) _ } { : [ ] . ; , - * + $ / ? = • Maximum input string length: 16 characters. • When input value invalid, the ESBC uses original value.	
TEST_AGENT_DISPLAY_NAME	String(length: 0-32)	• If no TAG, the ESBC uses original value. • TAG value can be blank. • Valid input value may only contain letters, digits, spaces and the following characters , ; . : _ - • Maximum input string length: 32 characters. • When input value invalid, the ESBC uses original value.	
TEST_AGENT_AUTH_ID	String(length: 0-128)	• If no TAG or TAG value blank, the ESBC uses original value. • TAG value can be blank. • Valid input value may only contain letters, digits and the following characters ~ ! ^ ( ) _ } { : [ ] . ; , - * + $ / ? =Maximum input string length: 128 characters. • When input value invalid, the ESBC uses original value.	
TEST_AGENT_PASSWORD TEST_AGENT_PASSWORD_ENCRYPTED	String	• If no TAG, the ESBC uses original value.	

	length of decryption password: 0-40	• TAG value can be blank. • After decryption, The valid input value may only contain letters, digits and the following characters ~ ! ^ ( ) _ } { : [ ] . ; , - * + $ / ? =The TAG for encrypted password overrides the TAG for non-encrypted password. • Maximum string length: 40 characters after decryption. • When input value invalid, the ESBC uses original value.	
TEST_AGENT_SIP_PROFILE_ID	String(length: 0-40) Trunk SIP profile name	• If no TAG or TAG value blank, the ESBC uses original value. • Valid input value may only contain letters, digits, spaces and the following characters , ; . : _ -()/& • If the profile to which this profile id indicates does not exist, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
TEST_AGENT_REGISTER_AGENT_USER_ID	String The User ID of registration agent. Empty means none.	• If no TAG, the ESBC uses original value. • If TAG value blank, the ESBC does not use register agent. • Valid input value may only contain letters, digits and the following characters ~ ! ^ ( ) _ } { : [ ] . ; , - * + $ / ? =When the UA associated with this TAG value does not exist, or the UA is not the Main Trunk, the ESBC does not use register agent. • If input value invalid, the ESBC uses original value.	

FXS Port Setting

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
FXS_USER_PORT_**X**	String(length: 0-32) Configures the User String of RADIUS for FXS Port **X**	• If no TAG value, then the ESBC uses original value. • TAG value can be blank. • Valid input value may only contain letters, digits, spaces and the following characters , ; . : _ - • Maximum string length: 32 characters. • If input value invalid, the ESBC uses original value.	1. X = 1 – 4 In order to enable FXS port X, it is necessary to map the TAG SIP_TRUNK_MAP_FXS_PORT_NO_**M** of a SIP UA with FXS port X. 2. TAGS of this section DO NOT apply to HD-Platform ESBC models.
FXS_AUTH_PASSWORD_PORT_**X**	String(length: 0-32) Configures the Auth Password of RADIUS for FXS Port **X**	• If no TAG value, then the ESBC uses original value. • TAG value can be blank. • Valid input value may only contain letters, digits and the following characters ~ ! @ ^ ( ) _ } { : [ ] . ; , - * • Maximum string length: 32 characters. Or the string will be truncated. • If input value invalid, the ESBC uses original value.	
FXS_ENABLE_CALL_WAITING_PORT_X	Integer(1/0) 1: Enable 0: Disable	• If no TAG value or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
FXS_CALL_WAITING_CALLERID_PORT_X	Integer(1/0) 1: Enable 0: Disable	• If no TAG value or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC	

		uses original value.	
FXS_ENABLE_THREE_WAY_CALL_PORT_X	Integer(1/0) 1: Enable 0: Disable	• If no TAG value or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
FXS_WAITING_MESSAGE_INDICATION_PORT_X	Integer(0-3) 0: None 1: Stutter tone 2: Lamp 3: Lamp and Stutter tone	• If no TAG value or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
FXS_HOTLINE_PORT_X	String(0-50)	• If no TAG value, the ESBC uses original value. • TAG value can be blank • Valid input value may only contain digits and "*" • Maximum string length: 50 characters. Or the string will be truncated. • If input value invalid, the ESBC uses original value.	
FXS_NOANSWER_TIMER_PORT_X	Integer(10-255), second	• If no TAG value or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
FXS_REJECT_ANONYMOUS_PORT_X	Integer(1/0) 1: Enable 0: Disable	• If no TAG value or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	

FXS Profile

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules

FXS_SIGNALING	Integer(1/0) 0: loop start 1: ground start	• If no TAG value or TAG value blank, then the ESBC uses original value. • If input value invalid, the ESBC uses original value.	1. TAGS of this section DO NOT apply to HD-Platform ESBC models.
FXS_DTMF_MODE	Integer(1/0) 1: RFC2833 0: In-Band	• If no TAG value or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
FXS_TX_GAIN	Integer(0-18), db	• If no TAG value or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
FXS_RX_GAIN	Integer(0-18), db	• If no TAG value or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
FXS_G726_PACKING_ORDER	Integer(1/0) 0: RFC3551 1: AAL2	• If no TAG value or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • This TAG is obsolete.	
FXS_FAX_TRANS_METHOD	Integer(1/0) 0: Pass-through 1: T.38	• If no TAG value or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
FXS_FAX_JITTER_BUFFER	Integer(0-240) ms	• If no TAG value or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	

FXS_FAX_T2	Integer(0-800), in ms Timer for awaiting packets(0-800)	• If no TAG value or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • Only applicable to T.38 FAX transmission method.	
FXS_FAX_LOW_SPEED_REDUNDANCY	Integer(0-4)	• If no TAG value or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
FXS_FAX_HIGH_SPEED_REDUNDANCY	Integer(0-4)	• If no TAG value or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
FXS_FAX_BIT_RATE	Integer(2400/4800/9600/14400)	• If no TAG value or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
FXS_FAX_ECM_ENABLED	Integer(1/0) 1: Enable 0: Disable	• If no TAG value or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
FXS_FAX_MAX_BUFFER_SIZE	Integer(0-9999)	• If no TAG value or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
FXS_FAX_MAX_DATAGRAM_SIZE	Integer(0-9999)	• If no TAG value or TAG value blank, the ESBC uses original value.	

		• If input value invalid, the ESBC uses original value.	
FXS_FAX_PASSTHROUGH_CODEC	Integer(1/0) 0: PCMU 1: PCMA	• If no TAG value or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
FXS_CODEC_PRIORITY	String codec priority list, separated by ",", e.g. "2/20,1/20/1,3/20" stand for "G.711U/PTIME 20ms, G.729/ PTIME 20ms/enable VAD, G.711A/PTIME 20ms " Codec ID: 1: G.729A/G.729 2: G.711,u-Law 3: G.711,A-Law 4: G.723.1 5: G.728 6: G.729E PTIME: ・ G.711,u-Law: Integer(10/20/30), ms ・ G.711,A-Law: Integer(10/20/30), ms ・ G.729A/G.729: Integer(10/20/30), ms ・ G723.1: Integer(30) ms ・ G728: Integer(20/30), ms ・ G729E: Integer(20/30), ms VAD: G.729A/G.729: Integer(0/1) 0: Disabled	• If no TAG or TAG value blank, the ESBC uses original value. • Using comma (,) to delimit each supported codec with priority order. • Valid input value range: 1-9 • If there is no codec defined or no valid codec value input, the ESBC uses original value. • If no tag value of PTIME or VAD, the ESBC uses original value • Only G.729A/G.729 can have VAD attribute (0: disabled/1: enabled). Other CODECs ignore the VAD attribute	

	1: Enabled		

PRI Span

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
PRI_FLAG_ACTIVE_SPAN_X	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	1. TAGs of this section only apply to ESBC models with PRI spans, e.g., ESBC-9x80. 2. X indicates the PRI span ID number. Valid input value: 1, 2 (or depending on the number of spans on this particular unit)
PRI_CLOCK_MASTER_SPAN_1	Integer(1/0) 1: The clock is from internal 0: The clock is from line	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
PRI_FRAMING_CODING_SPAN_ X	Integer(1-4) 1: esf,b8zs(T1) 2: d4,ami(T1) 3: ccs,hdb3(E1) 4: ccs,hdb3,crc4(E1)	• If no TAG or TAG value blank, the ESBC uses original value. • Valid input value range: 1-4. - T1: 1 or 2 - E1: 3 or 4 • If input value invalid, the ESBC uses the original value.	
PRI_LBO_TYPE_SPAN_ X	Integer(0-7) 0: 0 db (CSU) / 0-133 feet (DSX-1) 1: 133-266 feet (DSX-1) 2: 266-399 feet (DSX-1) 3: 399-533 feet (DSX-1) 4: 533-655 feet (DSX-1) 5: -7.5db (CSU) 6: -15db (CSU) 7: -22.5db (CSU)	• If no TAG or TAG value blank, then the ESBC uses the original value. • If input value invalid, the ESBC uses the original value.	
PRI_B_CHANNEL_SPAN_ X	String(length: 1-64) B-channel list (example: 1,18-23)	• If no TAG or TAG value blank, then the ESBC uses the original value. • Using comma (,) to delimit each value segment. Each segment may include a single number, or a number range. If a range is	

		defined, the latter number should be equal to or greater than the former number. • Valid input value to indicate channel number has to be within the number range: 1-24 • If input value is invalid, the ESBC uses original value.	
PRI_SWITCH_TYPE_SPAN_ X	Integer(1-7) 1: National ISDN 2 2: Nortel DMS100 3: AT&T 4ESS 4: Lucent 5ESS 5: EuroISDN 6: National ISDN 1 7: Q.SIG	• If no TAG or TAG value blank, then the ESBC uses the original value. • If input value invalid, the ESBC uses original value.	
PRI_SIGNALLING_NET_SPAN_ X	Integer(1/0) 0:pri_cpe 1: pri_net	• If no TAG or TAG value blank, then the ESBC uses the original value. • If input value is invalid, the ESBC uses original value.	
PRI_NSF_SPAN_ X	Integer(1-5) 1: None 2: SDN 3: MEGACO 4: Toll Free MEGACOM 5: ACCUNET Switched Digital Service	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_PRIEXCLUSIVE_SPAN_ X	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_DISCARD_REMOTE_HOLD_SPAN_ X	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. If input value is invalid, the ESBC uses original value.	
PRI_FACILITY_ENABLE_SPAN_ X	Integer(1/0)	• If no TAG or TAG value blank, the	

	1: Enable 0: Disable	ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_TIMER_K_SPAN_ X	Integer(>0)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_TIMER_N200_SPAN_ X	Integer(>0)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_TIMER_T200_SPAN_ X	Integer(>0)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_TIMER_T203_SPAN_ X	Integer(>0)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_TIMER_T305_SPAN_ X	Integer(>0)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_TIMER_T308_SPAN_ X	Integer(>0)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_TIMER_T313_SPAN_ X	Integer(>0)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_TRANSFER_ENABLE_SPAN_ X	Integer(1/0) 1: Enable	• If no TAG or TAG value blank, the ESBC uses original value. If input value is invalid, the ESBC	

	0: Disable	uses original value.	
PRI_SEND_DISPLAY_NAME_SPAN_ X	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_PLAY_RINGBACK_TONE_SPAN_ X	Integer(0-2) 0: Never 1: Always 2: As-needed	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_BCHAN_RESTART_INTERVAL_SPAN_ X	Integer -1: Disable >0: interval(seconds)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_INBOUND_EARLY_MEDIA_ENABLE_SPAN_ X	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_OUTBOUND_EARLY_MEDIA_IGNORE_SPAN_ X	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_BUFFER_CALLER_NAME_ENABLE_SPAN_X	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_BUFFER_CALLER_NAME_TIMEOUT_SPAN_X	Integer(500-5000)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_DISPLAY_NAME_SUBSTITUTION_ENABLE_SPAN_X	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_CALL_STATUS_ENQUIRY_INTERVAL	Integer	• If no TAG or TAG value blank, the	

SPAN X	-1: Disable >0: interval(seconds)	ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_CALLER_NUMBER_NETWORK_PROVIDED_ SPAN_X	Integer(1/0) 0: User-Provided 1: Network-Provided	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_NR_DIGITS_SENT_TO_PBX_SPAN_ X	Integer(1-6, -1) -1: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	

PRI Group Setting

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
PRI_GROUP_SPAN_X	Integer(1/2) set the group id of the PRI SPAN	• If no TAG or TAG value blank, the ESBC uses original value. • Valid input value: 1 if the ESBC is a 1-Span unit. • Valid input value: 1 or 2, if the ESBC is a 2-Span unit • If input value is invalid, the ESBC uses original value.	1. TAGs of this section only apply to ESBC models with PRI spans, e.g., ESBC 9x80. 2. X indicates PRI port number. Valid input value: 1, 2 (or depending on the number of ports or spans on this particular unit)
PRI_HUNTING_CHANNEL_GROUP_X	Integer(1/0) 0: forward (Ascending) 1: backward (Descending) set the hunting channel mode of the PRI group	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_BCHAN_SELECTION_MT_5SEC_GROUP_X	Integer(1/0) 1: Enable 0: Disable Prefer to hunt a channel which is idle	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	

	for more than 5s		

PRI Profile

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
PRI_DTMF_MODE	Integer(1/0) 0: inband 1: RFC2833	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	1. TAGs of this section only apply to ESBC models with PRI spans, e.g., ESBC-9x80. 2. If the default profile is defined, the ESBC updates the default profile; otherwise, updates the profile on the top of the list.
PRI_TX_GAIN	Integer(-11~11), db	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_RX_GAIN	Integer(-11~11), db	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_G726_PACKING_ORDER	Integer(1/0) 0: RFC3551 1: AAL2	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_FAX_TRANS_METHOD	Integer(1/0) 0: passthrough 1: T.38	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_FAX_JITTER_BUFFER	Integer(0-240), in ms	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_FAX_T2	Integer(0-800), in ms Timer for awaiting packets	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	

		• Only applicable to T.38 FAX transmission method.	
PRI_FAX_LOW_SPEED_REDUNDANCY	Integer(0-4)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_FAX_HIGH_SPEED_REDUNDANCY	Integer(0-4)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_FAX_BIT_RATE	Integer(2400/4800/9600/14400)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_FAX_ECM_ENABLED	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_FAX_MAX_BUFFER_SIZE	Integer(0-9999)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_FAX_MAX_DATAGRAM_SIZE	Integer(0-9999)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
PRI_FAX_PTIME	Integer(10/20/30/40), in ms	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value • Only applicable to T.38 FAX transmission method.	
PRI_FAX_PASSTHROUGH_CODEC	Integer(0/1) 0: PCMU	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC	

	1: PCMA	uses original value.	
PRI_CODEC_PRIORITY	String codec priority list, separated by ",", e.g. "2/20,1/20/1,3/20" stand for "G.711U/PTIME 20ms, G.729/ PTIME 20ms/enable VAD, G.711A/PTIME 20ms " Codec ID: 1: G.729A/G.729 2: G.711,u-Law 3: G.711,A-Law 4: G.723.1 5: G.726,24kbps 6: G.726,32kbps 7: G.726,40kbps PTIME: ・ G.711,u-Law: Integer(10/20/30), ms ・ G.711,A-Law: Integer(10/20/30), ms ・ G.729A/G.729: Integer(10/20/30), ms ・ G723.1: Integer(30) ms ・ G.726: Integer(10/20/30), ms ・ G728: Integer(20/30), ms ・ G729E: Integer(20/30), ms VAD: G.729A/G.729: Integer(0/1) 0: Disabled 1: Enabled	• If no TAG or TAG value blank, the ESBC uses original value. • Using comma (,) to delimit each supported codec with priority order. • Valid input value range: 1-7 • If there is no codec defined or no valid codec value input, then the ESBC uses original value. • If no tag value of PTIME or VAD, the ESBC uses original value • Only G.729A/G.729 can have VAD attribute (0: disabled/1: enabled). Other CODECs ignore the VAD attribute	

PRI Cause Code Mapping

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
PRI_MAPPING_SIP_RESPONSE_TO_PRI_CAUSE	String(length: 0-400) Format syntax of response mapping group list is " sip_response_code 1/ pri_ cause_code 1, sip_response_code 2/ pri_cause_code 2" example: "400/23,503/88,600/123"	• If no TAG, the ESBC uses original value. • If TAG value blank, the ESBC removes all mapping records. • Valid input value of PRI cause code should be within the range: 1-127. • Valid input value of SIP response code should be within the range: 400-699. • Up to 50 groups of mapping record. • If input value invalid, the ESBC voids this map record. • If the same "sip_response_code" string appears more than once, the ESBC takes the one from the start of the list.	
PRI_MAPPING_PRI_CAUSE_TO_SIP_RESPONSE	String(length: 0-400) Format syntax of response mapping group list is "pri_cause_code1/sip_response_code 1/, pri_cause_code 2/ sip_response_code 2" example: "40/400,50/503,60/663"	• If no TAG, the ESBC uses original value. • If TAG value blank, the ESBC removes all mapping records. • Valid input value of PRI cause code should be within the range: 1-127. • Valid input value of SIP response code should be within the range: 400-699. • Up to 50 groups of mapping record. • If input value invalid, the ESBC	

		voids this map record. • If the same "pri_cause_code" string appears more than once, the ESBC takes the one from the start of the list.	

Trunk SIP Profile-Multiple

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
TRUNK_SIP_PROFILE_ID_X	String(length: 1-40)	• X: an integer, the index number of this trunk sip profile ID. • If no TAG or TAG value blank, no updates on this particular profile. • Valid input value may only contain letters, digits, spaces and the following characters , ; . : _ - ()/&	1. Each trunk sip profile configuration needs to starts with this tag: **TRUNK_SIP_PROFILE_ID_X**. 2. If this is an existing profile, the ESBC update this existing profile. 3. If the profile does not exist, the ESBC creates a new profile. 4. All related TAGs should be defined and all associated TAG values should be valid; otherwise the ESBC does not add this profile. **5. When any one TAG of this section does not exist or TAG value invalid, the ESBC** - **uses original value if updating an existing profile.** - **does not create a new profile if the profile does not exist.**
TRUNK_SIP_PROFILE_STATIC_REGISTER_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_GIN_ENABLED_X	Integer(1/0) 1: Enable 0: Disable enable/disable gin extension	• When TRUNK_SIP_PROFILE_STATIC_REGISTER_X=1, this TAG value is void.	
TRUNK_SIP_PROFILE_ENABLE_SESSION_TIMER_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_INVITE_EXPIRE_TIMER_X	Integer(1-9999), second		
TRUNK_SIP_PROFILE_RETRANS_1XX_TIMER_X	Integer(1-9999), second		
TRUNK_SIP_PROFILE_REGISTER_CYCLE_X	Integer(1-9999), second		
TRUNK_SIP_PROFILE_REGISTER_RETRY	Integer(1-9999), second		

_TIMER_MIN_X			
TRUNK_SIP_PROFILE_REGISTER_RETRY _TIMER_MAX_X	Integer(1-9999), second	• The TAG value of REGISTER_RETRY_TIMER_MIN should be less than that of the MAX. Otherwise, the ESBC uses original values and logs the errors.	
TRUNK_SIP_PROFILE_KEEP_ALIVE_TIM E_X	Integer(1-9999), second		
TRUNK_SIP_PROFILE_URI_FORMAT_FR OM_X	Integer(1-4) 1: not E.164, without user=phone, 2: not E.164, with user=phone, 3: E.164, without user=phone, 4: E.164, with user=phone		
TRUNK_SIP_PROFILE_URI_FORMAT_TO _X			
TRUNK_SIP_PROFILE_URI_FORMAT_RE GISTER_X			
TRUNK_SIP_PROFILE_URI_FORMAT_RE FER_X			
TRUNK_SIP_PROFILE_URI_FORMAT_30 2_X			
TRUNK_SIP_PROFILE_ANONYMOUS_TY PE_X	Integer(0-4) 0: No modification 1: Set From header to: "Anonymous" sip:anonymous@anonymous.invalid 2: Set From header to "Anonymous" sip:anonymous@domain] 3: Set From header to "Unknown" sip:[domain-name], 4: Set From Header to unavailable@unknown.invalid		
TRUNK_SIP_PROFILE_SET_PRIVACY_HE ADER_TO_ID_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_ADD_PRIVACY_N ONE_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_FROM_HEADER_ X	String (main_trunk/did_trunk/original_caller/ phone_number)	Input value case insensitive	

	main_trunk: Use Main Public Identity did_trunk: Use Alternate Identity original_caller: Use the Original Caller phone_number: Use a configurated phone number		
TRUNK_SIP_PROFILE_FROM_HEADER_PHONE _NUMBER_X	String(length: 0-16)	• If no TAG, the ESBC uses original value. • TAG value can be blank. • Valid input value may only contain letters, digits, spaces and the following characters -_.!~*()=+,?/; • Maximum string length: 16 characters. Otherwise input string will be truncated. • If input value invalid, the ESBC uses original value.	
TRUNK_SIP_PROFILE_IDENTITY_HEADER_X	String (none/remote/preferred/asserted) none: None remote: Add Remote-Party-ID header preferred: Add P-Preferred-ID header asserted: Add P-Asserted-ID header	Input value case insensitive	
TRUNK_SIP_PROFILE_IN_GET_CID_FROM_PAI_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_IN_GET_CID_FROM_RPI_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_FORWARD_ALERT_INFO_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_FORWARD_HISTORY_INFO_X	Integer(1/0) 1: Enable 0: Disable		

TRUNK_SIP_PROFILE_FORWARD_DIVERSION_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_FORWARD_CALL_INFO_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_FORWARD_RECV_INFO_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_FORWARD_ALLOW_EVENT_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_FORWARD_SIP_INFO_DTMF_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_STRIP_ICE_ATTRIBUTES_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_USE_RFC2543_HOLD_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_REMOVE_180_HEADERS_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_ENABLE_RINSTANCE_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_TLS_CONN_REUSE_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_LR_TRUE_VALUE_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_REJECT_REFER_X	Integer(1/0)		

	1: Enable 0: Disable		
TRUNK_SIP_PROFILE_SEND_REFER_WITHOUT_ALLOWED_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_ONLY_T38_WHEN_T38_OFFER_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_ALLOW_T38_ON_WAN_SIDE_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_RESPONSE_BEFORE_REINVITE_FWD_X	Integer(1/0) 0: Send Re-Invite all the way directly 1: Send response before forwarding re-Invite		
TRUNK_SIP_PROFILE_SEND_DUMMY_SDP_INITIAL_X	Integer(1/0) 0: Send INVITE without SDP 1: Send INVITE with dummy SDP		
TRUNK_SIP_PROFILE_SEND_DUMMY_SDP_AS_OFFER_X	Integer(1/0) 0: Send REINVITE without SDP 1: Send REINVITE with old SDP		
TRUNK_SIP_PROFILE_ACCEPT_SDESCRIPTION_AVP_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_SDESCRIPTION_TRANSPORT_X	String(savp/avp/transparent)	Input value case insensitive	
TRUNK_SIP_PROFILE_USE_PUBLIC_IDENTITY_CONTACT_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_ENABLE_TGRP_IDENTIFIER_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_TGRP_LABEL_X	String(length: 0-128)	• TAG value can be blank. • Valid input value may only contain letters, digits and the following	

		characters - _ . ! ~ * ( ) / +	
TRUNK_SIP_PROFILE_TGRP_TRUNK_CONTEXT_X	String(length: 0-128)	• TAG value can be blank. • Valid input value may only contain letters, digits and the following characters - _ . ! ~ * ( ) / +	
TRUNK_SIP_PROFILE_P_ACCESS_NETWORK_INFO_X	String(length: 0-128)	• TAG value can be blank. • Valid input value may only contain letters, digits, spaces and the following characters . - _ ! * + ~ ` % ; = "	
TRUNK_SIP_PROFILE_FORWARD_CALL_AUDIT_MSG_TO_PBX_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_CHALLENGE_INBOUND_SIP_REQUEST_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_CHECK_DOMAIN_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_CHECK_SENDER_IP_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_REQUIRE_REGISTER_EVENT_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_REGISTER_NO_LONGER_RETURN_403_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_ENABLE_LOOP_DETECTION_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_ADD_VQ_RTCPXR_TO_ALLOW_EVENT_X	Integer(1/0) 1: Enable 0: Disable		

TRUNK_SIP_PROFILE_SUBSCRIBE_MESSAGE_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_SUBSCRIBE_MESSAGE_INTERVAL_X	Integer(1-99999)		
TRUNK_SIP_PROFILE_TRANSFER_AND_FORWARD_LOCALLY_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_UAC_100REL_ENABLE_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_UAC_ALWAYS_PRACK_183_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_WAIT_CALLEE_18X_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_HOOKOFF_WHEN_RECV_18X_REL_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_SUPPORT_UAS_100REL_X	Integer(1/0) 1: Enable 0: Disable		
TRUNK_SIP_PROFILE_REJECT_EARLY_UPDATE_NO_100REL_X	Integer(1/0) 1: Enable 0: Disable		

PBX SIP Profile-Multiple

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
PBX_SIP_PROFILE_ID_X	String(1-40) X: the profile index associated to this profile ID.	• If no TAG or TAG value blank, the ESBC does not update this profile. • Valid input value may only contain letters, digits, spaces and the following characters , ; . : _ -	1. Each trunk sip profile needs to starts with this tag: **TRUNK_SIP_PROFILE_ID_X** 2. If the TAG value duplicates an existing profile, the ESBC updates the existing profile.

		()/&	3. If the TAG value is new, the ESBC adds a profile. 4. ESBC adds a new profile under the condition of :All TAGs of this section are defined and their associated values are valid. **5. If any TAG of this section is not present or its value is invalid, the ESBC** - uses original value if updating an existing profile, or - does not add a profile if it is an adding operation.
PBX_SIP_PROFILE_STATIC_REG_ENABLE_X	Integer(1/0) 1: Enable 0: Disable		
PBX_SIP_PROFILE_TCP_TRANS_SIP_MESSAGES_X	Integer(1/0) 1: Enable 0: Disable Use TCP Transport for SIP Messages, when using static registration mode.		
PBX_SIP_PROFILE_TIMER_INVITE_EXPIRES_X	Integer(1- 99999), second		
PBX_SIP_PROFILE_TIMER_1XX_RETRANS_X	Integer(1- 99999), second		
PBX_SIP_PROFILE_COUNTRY_CODE_X	String(length: 0-8) The Country Code which will be added or removed to the From and Contact headers	• If no TAG, the ESBC does not update this profile. • TAG value can be blank. • Maximum string length: 180 characters. Otherwise input string will be truncated. • Valid input value may only contain digits	
PBX_SIP_PROFILE_URI_FROM_HEADER_X	Integer(1-4) 1: not E.164,without user=phone 2: not E.164,with user=phone 3: E.164(prefix with '+'), without user = phone 4: E.164(prefix with '+'), with user = phone		
PBX_SIP_PROFILE_URI_TO_HEADER_X	Integer(1-4) 1: not E.164,without user=phone 2: not E.164,with user=phone 3: E.164(prefix with '+'), without user = phone		

	4: E.164(prefix with '+'), with user = phone		
PBX_SIP_PROFILE_SET_IDENTITY_HEADER_X	String(none/asserted/remote) none: NONE asserted: Add P-Asserted-Identity Header remote: Add Remote-Party-ID header	Input value case insensitive	
PBX_SIP_PROFILE_ANONYMOUS_CALL_HEADER_X	Integer(0-4) 0: No modification 1: Set From header to:"Anonymous"<sip:anonymous@anonymous.invalid> 2: Set From header to:"Anonymous"<sip:anonymous@[domain]> 3: Set From header to:"Unknown" sip:[domain-name] 4: Set From header to: unavailable@unknown.invalid		
PBX_SIP_PROFILE_ANONYMOUS_CALL_SET_PRIVACY_HEADER_TO_ID_X	Integer(1/0) 1: Enable 0: Disable Whether set privacy header to the value "id" in Anonymous call		
PBX_SIP_PROFILE_SET_CALLER_ID_X	String(length: 0-16) Set Caller ID if it does not exist	• If no TAG, the ESBC uses original value. • TAG value can be blank. • Valid input value may only contain letters, digits, spaces and the following characters ~ ! ^ ( ) _ } { : [ ] . ; , - * + $ / ? = • Maximum string length: 16 characters. Otherwise input string will be truncated. • If input value invalid, the ESBC	

		uses original value.	
PBX_SIP_PROFILE_GET_CALLER_ID_FROM_PPI_X	Integer(1/0) 1: Enable 0: Disable Get Caller ID from P-Preferred-Identity SIP Header if exists		
PBX_SIP_PROFILE_GET_CALLER_ID_FROM_PAI_X	Integer(1/0) 1: Enable 0: Disable Get Caller ID from P-Asserted-Identity SIP Header if exists		
PBX_SIP_PROFILE_GET_CALLER_ID_FROM_RPI_X	Integer(1/0) 1: Enable 0: Disable Get Caller ID from Remote-Party-ID SIP Header if exists		
PBX_SIP_PROFILE_FORWARD_ALERT_INFO_TO_SIP_TERMINAL_X	Integer(1/0) 1: Enable 0: Disable		
PBX_SIP_PROFILE_FORWARD_HISTORY_INFO_TO_SIP_TERMINAL_X	Integer(1/0) 1: Enable 0: Disable		
PBX_SIP_PROFILE_FORWARD_DIVERSION_TO_SIP_TERMINAL_X	Integer(1/0) 1: Enable 0: Disable		
PBX_SIP_PROFILE_FORWARD_CALL_INFO_X	Integer(1/0) 1: Enable 0: Disable		
PBX_SIP_PROFILE_FORWARD_RECV_INFO_X	Integer(1/0) 1: Enable 0: Disable		
PBX_SIP_PROFILE_FORWARD_ALLOW_	Integer(1/0)		

EVENT_X	1: Enable 0: Disable		
PBX_SIP_PROFILE_FORWARD_SIP_INFO_DTMF_TO_PBX_X	Integer(1/0) 1: Enable 0: Disable		
PBX_SIP_PROFILE_STRIP_ICE_ATTRS_X	Integer(1/0) 1: Enable 0: Disable		
PBX_SIP_PROFILE_REMOVE_CONTACT_AND_RECORD_ROUTE_IN_180_RESPONSE_X	Integer(1/0) 1: Enable 0: Disable		
PBX_SIP_PROFILE_ADD_EXPIRES_HEADER_IN_200_RESPONSE_OF_REGISTRATION_X	Integer(1/0) 1: Enable 0: Disable		
PBX_SIP_PROFILE_USE_TERMINAL_IP_ADDRESS_AS_DOMAIN_X	Integer(1/0) 1: Enable 0: Disable		
PBX_SIP_PROFILE_USE_LR_TRUE_OR_LOOSE_ROUTING_X	Integer(1/0) 1: Enable 0: Disable Use "lr=true" for loose routing		
PBX_SIP_PROFILE_USE_SIP_ADDRESS_AS_AUTH_NAME_X	Integer(1/0) 1: Enable 0: Disable Use entire SIP address(user@domain) as the authentication name		
PBX_SIP_PROFILE_USE_RFC_2543_HOLD_X	Integer(1/0) 1: Enable 0: Disable		
PBX_SIP_PROFILE_ROUTE_BY_IDENTITIES_X	Integer(1/0) 1: Enable 0: Disable		

PBX_SIP_PROFILE_REMOVE_OTHER_MEDIA_TYPES_WHEN_T38_OFFER_X	Integer(1/0) 1: Enable 0: Disable		
PBX_SIP_PROFILE_IGNORE_DOMAIN_IN_REFER_TO_HEADER_X	Integer(1/0) 1: Enable 0: Disable		
PBX_SIP_PROFILE_ORDER_SENDING_REINVITES_X	Integer(1/0) 0: Send re-INVITEs all the way directly 1: Send response Before forwarding re-INVITEs		
PBX_SIP_PROFILE_METHOD_INVITE_WITHOUT_SDP_X	Integer(1/0) 0: Send INVITEs without SDP 1: Send INVITEs with a dummy SDP		
PBX_SIP_PROFILE_METHOD_REINVITE_WITHOUT_SDP_X	Integer(1/0) 0: Send re-INVITEs without SDP 1: Send re-INVITEs with the old SDP		
PBX_SIP_PROFILE_ACCEPT_RTP_AVP_WITH_SDESCRIPTION_OFFER_X	Integer(1/0) 1: Enable 0: Disable		
PBX_SIP_PROFILE_SDP_SECURE_DESCRIPTIONS_X	String(transparent/savp/avp) transparent: Transmit sdescription transparent savp: Transmit all sdescription in SAVP avp: Transmit all sdescription in AVP	Input value case insensitive	
PBX_SIP_PROFILE_REMOVE_OPAQUE_IN_FROM_HEADER_AND_TO_HEADER_X	Integer(1/0) 1: Enable 0: Disable		
PBX_SIP_PROFILE_GET_CALLED_NUMBER_FROM_REQUEST_URI_X	Integer(1/0) 1: Enable 0: Disable		
PBX_SIP_PROFILE_FORWARD_CALL_AUDIT_MSG_TO_PBX_X	Integer(1/0) 1: Enable 0: Disable		
PBX_SIP_PROFILE_FORWARD_SUBSCRIBE_TO_SERVER_X	Integer(1/0) 1: Enable		

	0: Disable		
PBX_SIP_PROFILE_CHECK_SOURCE_IP_OF_OUTBOUND_INVITE_X	Integer(1/0) 1: Enable 0: Disable		
PBX_SIP_PROFILE_CHECK_CONTACT_DOMAIN_OF_OUTBOUND_INVITE_X	Integer(1/0) 1: Enable 0: Disable		
PBX_SIP_PROFILE_PLAY_MOH_WHEN_HOLD_X	Integer(1/0) 1: Enable 0: Disable Play Music-On-Hold by ESBC when PBX is Hold		
PBX_SIP_PROFILE_MWI_NOTIFY_WITHOUT_SUBSCRIBE_X	Integer(1/0) 1: Enable 0: Disable Sending NOTIFY of Message-Waiting Without a Subscribe		
PBX_SIP_PROFILE_ENABLE_SIP_FORKING_X	Integer(1/0) 1: Enable 0: Disable		
PBX_SIP_PROFILE_SUPPORT_UAC_100REL_X	Integer(1/0) 1: Enable 0: Disable		
PBX_SIP_PROFILE_SUPPORT_UAS_100REL_X	Integer(1/0) 1: Enable 0: Disable		
PBX_SIP_PROFILE_HOOKOFF_WHEN_RECV_18X_REL_X	Integer(1/0) 1: Enable 0: Disable		

PBX Authentication

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
SIP_AUTHENTICATION_MODE	Integer(0-2) 0: None 1: Local 2: Radius	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value	1. When SIP_AUTHENTICATION_MODE = 0 or 1, the ESBC ignores RADIUS TAGs of this section. 2. When SIP_AUTHENTICATION_MODE = 2, the following logic apply. a) SIP_RADIUS_SERVER_IPADDR is a MUST TAG b) SIP_RADIUS_SHARED_SECRET is a MUST TAG 3. If any of the above rules fails, the ESBC uses the original values of all TAGs of this section.
SIP_RADIUS_SERVER_IPADDR	String(length: 1-40)	• If no TAG or TAG value blank, the ESBC uses original value. • TAG value can be blank. • Valid input value may only contain letters, digits, "." and "-" • Maximum input string length: 40 characters • If input value invalid, the ESBC uses original value.	
SIP_RADIUS_SHARED_SECRET	String(length: 1-512)	• If no TAG or TAG value blank, the ESBC uses original value. • Valid input value may only contain letters, digits and the following characters ~ ! @ ^ ( ) _ } { : [ ] . ; , - * • Maximum input string length: 512 characters • If input value invalid, the ESBC uses original value	
SIP_RADIUS_TIMEOUT	Integer(0-99999), second	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value	
SIP_RADIUS_RETRIES	Integer(0-99999)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC	

		uses original value.	

SIP Parameters

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
SIP_CONFIG_ENABLE_SESSION_TIMER	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	1. TAG values of B2BUA_SIP_PORT and SIP_ALG_PORT must not be configured the same.
SIP_CONFIG_SESSION_TIMER_INTERVAL	Integer(>=300)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
ROUTE_BY_REQUEST_URI	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
SIP_CONFIG_TIMER_1	Integer(>100), msec	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
SIP_CONFIG_TIMER_2	Integer(>100), msec	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
SIP_CONFIG_TIMER_4	Integer(>100), msec	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
SIP_CONFIG_TIMER_B	Integer(>1000), msec	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	

SIP_CONFIG_TIMER_F	Integer(>1000), msec	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
SIP_CONFIG_TIMER_H	Integer(>10000), msec	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
SIP_CONFIG_TIMER_D	Integer(>10000), msec	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
SIP_CONFIG_TIMER_100	Integer(>=0), msec	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
SIP_CONFIG_MAX_FORWARDS	Integer(>=1)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
SIP_CONFIG_SERVER_REG_MAX_TIME SIP_CONFIG_SERVER_REG_MIN_TIME	Integer(>=1)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • _MAX_ >= 1 • _MIN_ >=0	
QOP_PREFERED_AUTH_METHOD QOP_PREFERRED_AUTH_METHOD	String. auth/authint	• If no TAG or TAG value blank, the ESBC uses original value. • Input value case insensitive • If input value invalid, the ESBC uses original value.	
DEREGISTER_WHILE_REBOOTING	Integer(1/0) 1: Enable	• If no TAG or TAG value blank, the ESBC uses original value.	

	0: Disable	• If input value invalid, the ESBC uses original value.	
DISC_CALL_IF_NO_RTP	Integer(1/0) 1: Enable 0: Disable Tear down calls if both RTP and RTCP packets have not been received	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
DISC_CALL_IF_NO_RTP_DURATION	Integer(1-99999), second	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
DISC_CALL_IF_NO_RTP_BIDIRECTION	Integer(1/0) 1:Bi-direction, 0:Single-direction	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • Valid input value: 0, 1	
B2BUA_SIP_PORT	Integer(1-65535)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
SIP_ALG_PORT	Integer(1-65535)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
ALLOW_INTERNAL_UA_CALL	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
SIP_CONFIG_B2BUA_REJECT_TCP_CONNECTION_VIA_WAN	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
SIP_CONFIG_B2BUA_SWITCH_TO_TCP_	Integer(1/0)	• If no TAG or TAG value blank, the	

ENABLED	1: Enable 0: Disable	ESBC uses original value. • If input value invalid, the ESBC uses original value.	
SIP_CONFIG_B2BUA_SWITCH_TO_TCP_MSGSIZE_THRES	Integer(1-9999)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
SIP_CONFIG_CACHE_NONCE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
SIP_PARAM_SEND_DUMMY_PACKET_TO_WAN_NAT	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
SIP_PARAM_SIP_RESPONSE_FOR_PRI_DCHANNEL_DOWN	Integer(400-699)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
SIP_PARAM_FILTER_SIP_METHOD	String(length: 1-256) format: Method1/Allow1/Authenticate1, Method2/Allow2/Authenticate2 for example: ACK/1/0, BYE/1/0,SERVICE/0/0 (Method/Allow/Authenticate) Supported SIP Method keyword: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,SUBSCRIBE,MESSAGE,INFO,PRACK,UPDATE,PUBLISH,SERVICE where the SIP methods to be	• If no TAG or TAG value blank, the ESBC uses original value. • Please note that filtering SIP methods will affect both the LAN and WAN sides of the ESBC. • The tag value may contain a subset of the supported SIP methods. • TAG value blank indicates that there are no changes. • Supported SIP methods may be placed in any order in the list. • The SIP method keyword if case insensitive. • If there are “space characters” in a string value, the ESBC ignores	

	allowed/disallowed are provided along with an Allow/Auth field (0=Disallow/Do not authenticate; 1=Allow/ Authenticate)	space characters. • If input value of Method is invalid, the ESBC ignores this input value. • If the input value for Allow or Authenticate of a particular Method is invalid, the ESBC uses original value for Allow and Authenticate of this Method.	

SIP Response Mapping

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
OUTBOUND_SIP_RESPONSE_MAPPING_ENABLE	Integer(1/0) 1: Enable 0: Disable Enable the outbound SIP Responses Mapping	• If no TAG, TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
OUTBOUND_SIP_RESPONSE_MAPPING	String(length: 0-400) Format syntax of response mapping group list is "Received:Transmitted,Received:Transmitted" Received :The responses list of digits,x,X Transmitted : The response consists of digit,range in 400-699 example: "4XX:400,503:500,60X:600" outbound SIP Responses Mapping list	• If no TAG, the ESBC uses original value. • If TAG value blank, the ESBC remove all mapping records. • Valid input value of "Received response code" should only be 3 digit string, e.g., [4-6]XX, where X can be digit 0-9 or the letter X. • Valid input value of "Transmitted response code" should be within the range: 400-699. • If input value invalid, the ESBC voids this map record. • If the same "Received" string appears more than once, the ESBC takes from the start of the list and voids the rest.	
INBOUND_SIP_RESPONSE_MAPPING_E	Integer(1/0)	• If no TAG or TAG value blank, the	

NABLE	1: Enable 0: Disable	ESBC uses original value. • If the input value invalid, the ESBC uses original value.	
INBOUND_SIP_RESPONSE_MAPPING	String(length: 0-400) Format syntax of response mapping group list is "Received:Transmitted,Received:Transmitted" Received :The responses list of digits,x,X Transmitted : The response consists of digit,range in 400-699 example: "4XX:400,503:500,60X:600"	• If no TAG, the ESBC uses original value. • If TAG value blank, the ESBC removes all mapping records. • Valid input value of received response code should only be 3 digit string, e.g., [4-6]XX, where X can be digit 0-9 or letter X. • Valid input value of Transmitted response code should be within the range: 400-699. • If input value invalid, the ESBC voids this map record. • If the same "Received" string appears more than once, the ESBC takes the one from the start of the list.	

Transcoding

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
TRANSCODING_ENABLE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	1. TAGs of this section only apply to ESBC models with transcoding functionalities, e.g., ESBC-9x78. 2. ESBC updates values of default profile. If default profile is not defined, the ESBC updates the profile on the top of the list.
TRANSCODING_TRANS_MODE	Integer(0-3) 0: No Transcoding 1: CODEC Transcoding 2: CODEC, FAX, and DTMF Transcoding 3: CODEC, and FAX Transcoding 4: Force Transcoding	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
TRANSCODING_ALLOW_CALLS_BEYON	Integer(1/0)	• If no TAG or TAG value blank, the	

D_CODEC	1: Enable 0: Disable Allow calls when no supported codec in SDP offer	ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
TRANSCODING_ALLOW_CALLS_BEYOND_CHANNEL	Integer(1/0) 1: Enable 0: Disable Allow calls even no enough channel	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
TRANSCODING_WAN_EGRESS_T38_MODE	Integer(0-2) 0: Passthrough 1: Offer G.711 Only 2: Offer G.711 and T.38	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
TRANSCODING_WAN_G711_FAX_FALLBACK_CODEC	Integer(1/0) 0:G.711,U_Law 1:G.711,A_Law	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
TRANSCODING_WAN_G711_FAX_FALLBACK_PTIME	Integer(10/20/30), in ms	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
TRANSCODING_LAN_EGRESS_T38_MODE	Integer(0-2) 0:Passthrough 1: Offer G.711 Only 2: Offer G.711 and T.38	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
TRANSCODING_LAN_G711_FAX_FALLBACK_CODEC	Integer(1/0) 0:G.711,U_Law 1:G.711,A_Law	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
TRANSCODING_LAN_G711_FAX_FALLBACK_PTIME	Integer(10/20/30), ms	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	

TRANSCODING_WAN_DTMF	Integer(1/0) 0: In-band 1: RFC2833	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
TRANSCODING_LAN_DTMF	Integer(1/0) 0: In-band 1: RFC2833	• If no TAG or TAG value blank, the ESBC uses original value. • If input value is invalid, the ESBC uses original value.	
TRANSCODING_WAN_EXTEND_CODEC	String format: codec ID 1, codes ID 2, extended codec list, separated by ",", e.g. "2,1,3" stand for "G.711U, G.729, G.711A" Codec ID: 1: G.729A/G.729 2: G.711,u-Law 3: G.711,A-Law 5: G.726,24kbps 6: G.726,32kbps 7: G.726,40kbps	• If no TAG, the ESBC uses original value. • TAG value can be blank • Using comma (,) to delimit each supported codec with priority order. • Valid input value range: 0-7 (HD-Platform ESBC may only contain 2 and 3) • If there is no codec defined or no valid codec value input, the ESBC uses original value.	
TRANSCODING_LAN_EXTEND_CODEC	String format: codec ID 1, codes ID 2, extended codec list, separated by ",", e.g., "2,1,3" stand for "G.711U, G.729, G.711A" Codec ID: 1: G.729A/G.729 2: G.711,u-Law 3: G.711,A-Law 5: G.726,24kbps 6: G.726,32kbps 7: G.726,40kbps	• If no TAG, the ESBC uses original value. • TAG value can be blank. • Using comma (,) to delimit each supported codec with priority order. • Valid input value range: 1-7 (HD-Platform ESBC may only contain 2 and 3) • If there is no codec defined or no valid codec value input, the ESBC uses original value.	

Digit Translation

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
DIGIT_TRANSLATION_X	String format example: "pattern:xxx,direction:inbound,matching-call-party:calling,altering-call-party:calling,type:sip,del:3,add:123,description:desc" pattern: pattern string direction: inbound/outbound matching-call-party: calling/called altering-call-party: calling/called type: sip/pri/all del: Integer, number of the prefix digits to be deleted add: the digits prepended to the string description: description of the rule	• All fields require correct keyword inputs. If any keyword missing, the ESBC voids this record. • Valid character sets for pattern 0123456789Xx[].-*#. The maximum string length of patter is 50 characters. • When input value for direction is invalid, the ESBC takes it as “outbound”. • When input value for matching-call-party is invalid, the ESBC takes it as “called.” • When input value for altering-call-party is invalid, the ESBC takes it as “called.” • When input value for type is invalid, the ESBC takes it as “all”. • Valid input value range for del: 0-16. • Valid input value for add: numeric digit(s), star (*), or pound (#). Maximum input length: 16 characters. • Valid input value for description: alphanumeric characters, space, or symbols of ;.:_-# • Maximum input length for description: 32 characters. • Input value case insensitive • If input value invalid for pattern/del/add/description, the	1. X: 1-50. 2. When there is no TAG DIGIT_TRANSLATION_X defined, the ESBC does not update the digit translation table. 3. When there is at least one TAG DIGIT_TRANSLATION_X defined, the ESBC removes all current records of digit translation list, and replaces them with TAG values, no matter TAG values valid or not.

		ESBC voids this record.	

Voice Quality

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
VOICE_QUALITY_MOS_ENABLED	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
VOICE_QUALITY_MOS_SCORING_COMPONENT	String(b2bua,sipalg/b2bua/sipalg)	• If no TAG or TAG value blank, the ESBC uses original value. • Input value case insensitive.	
VOICE_QUALITY_CALCULATING_INTERVAL	Integer(5-120), in second	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
VOICE_QUALITY_SEND_SYSLOG_ENABLED	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
VOICE_QUALITY_SEND_SYSLOG_DESTINATION	Integer(1/0) 1: Send to EMS server 0: Send to Syslog server	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
VOICE_QUALITY_SYSLOG_SERVER	String(length: 0-256) IP address or FQDN support IPv6 address e.g. “11.11.11.11, 22.22.22.22, 33.33.33.33”	• If no TAG, the ESBC uses original value. • TAG value can be blank. • Valid input value may only contain letters, digits, ".", “:” and "-"	
VOICE_QUALITY_SEND_SIP_PUBLISH_ENABLED	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC	

		uses original value.	
VOICE_QUALITY_PUBLISH_COLLECTOR_URI	String(length: 0-128) support IPv6 address(e.g. [2001::1])	• If no TAG, the ESBC uses original value. • TAG value can be blank. • Valid input value may only contain letters, digits and the following characters ~ ! @ ^ ( ) _ } { : [ ] . ; , - * +	
VOICE_QUALITY_TRAPS_THRESHOLD_MOS	Integer(100-400) MOS*100	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
VOICE_QUALITY_TRAPS_THRESHOLD_DELAY	Integer(80-500), in ms	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
VOICE_QUALITY_TRAPS_THRESHOLD_PACKET_LOSS	Integer(1-99), %	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
VOICE_QUALITY_G711_WITH_PLC_ENABLED	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
VOICE_QUALITY_JITTER_BUFFER_NOMINAL_DELAY	Integer(10-80) in ms	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
VOICE_QUALITY_JITTER_BUFFER_MAXIMUM_DELAY	Integer(50-150), in ms	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
VOICE_QUALITY_RTT	Integer(0-99999999), in ms	• If no TAG or TAG value blank, the ESBC uses original value.	

		• If input value invalid, the ESBC uses original value.	
VOICE_QUALITY_END_TO_END_DELAY_THRESHOLD	Integer(1-30), in second	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
VOICE_QUALITY_ALARM_THRESHOLD	Integer(1-9999)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	

Emergency Call

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
EMERGENCY_CALL_NUMBER_LIST	String(separated by ","; length: 0-50) format: number1, number2	• If no TAG, the ESBC uses original value. • If TAG value blank, the ESBC delete all records. • Valid input string: numeric characters only (i.e., a string comprised of digit 0-9). If a input string contains other characters, the ESBC voids this record. • Maximum string length: 50. Or the ESBC voids this input record	
EMERGENCY_CALL_OVERRIDE_CID_ENABLED	Integer(1/0) 1: Enable 0: Disable Override Caller Information	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
EMERGENCY_CALL_CALLER_ID	String(length: 1-60)	• If no TAG or TAG value blank, the ESBC uses original value. • Valid input value may only contain letters, digits and the following characters - _ . ! ~ * ( ) = + , ? / ;	

		• Maximum input string length: 60 characters • If input value invalid, the ESBC uses original value.	
EMERGENCY_CALL_DISPLAY_NAME	String(length: 0-128)	• If no TAG, the ESBC uses original value. • TAG value can be blank • Valid input value may only contain letters, digits, spaces and the following characters , ; . : _ - • Maximum input string length: 128 characters • If input value invalid, the ESBC uses original value.	
EMERGENCY_CALL_SIP_PRIORITY_HEADER	Integer(1/0) 1: Enable 0: Disable Set SIP Priority Header to "emergency"	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
EMERGENCY_CALL_OVERRIDE_TGRP_IDENTIFIER	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
EMERGENCY_CALL_TGRP_LABEL	String(length: 0-128)	• If no TAG, the ESBC uses original value. • TAG value can be blank • Valid input value may only contain letters, digits and the following characters - _ . ! ~ * ( ) / + • Maximum input string length: 128 characters • If input value invalid, the ESBC uses original value.	
EMERGENCY_CALL_TGRP_TRUNK_CON	String(length: 0-128)	• If no TAG, the ESBC uses original	

TEXT		value. • TAG value can be blank • Valid input value may only contain letters, digits and the following characters - . ( ) + • Maximum input string length: 128 characters • If input value invalid, the ESBC uses original value	
EMERGENCY_CALL_DSCP_EMERGENCY_MEDIA_ENABLED	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
EMERGENCY_CALL_DSCP_EMERGENCY_MEDIA	Integer(0-255)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	

B2BUA SIP Firewall script file

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
B2BUA_FIREWALL_LAN_ENABLE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	Note that the related tags have to be present in config file in order for the script file to be properly imported to the ESBC. Example: B2BUA_FIREWALL_LAN_ENABLE B2BUA_FIREWALL_LAN_MAIN_RULE_NAME B2BUA_FIREWALL_LAN_RULE_URI The main rule name is the starting point of the script execution. If the script logic is designed to execute rules from top-down manner and no sub-routine used, the main rule name tag is
B2BUA_FIREWALL_LAN_MAIN_RULE_NAME	String (length: 0-128)	• If no TAG, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • Allowed characters include letters, digits, spaces and ,;.:_- • Case sensitive	

B2BUA_FIREWALL_LAN_RULE_URI	String (length: 0-128) e.g. "http://192.168.3.1/gms/lan_in.shmr"	• If no TAG, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • The tag value cases insensitive, can be blank • Support HTTP(S) and TFTP with a valid IP address or domain	optional. The sip firewall related tags can only be activated through auto-provisioning process but not through the GUI importing process.
B2BUA_FIREWALL_WAN_ENABLE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
B2BUA_FIREWALL_WAN_MAIN_RULE_NAME	String (length: 0-128)	• If no TAG, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • Allowed characters include letters, digits, spaces and ,;.:_- • Case sensitive	
B2BUA_FIREWALL_WAN_RULE_URI	String (length: 0-128) e.g. "http://192.168.3.1/gms/lan_in.shmr"	• If no TAG, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • The tag value cases insensitive, can be blank • Support HTTP(S) and TFTP with a valid IP address or domain	

B2BUA SHMR script file

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
B2BUA_SHMR_LAN_INCOMING_ENABLE	Integer(1/0) 1: Enable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC	Note that three related tags have to be present in config file in order for the script file to be properly imported to the ESBC. Example,

	0: Disable	uses original value.	B2BUA_SHMR_LAN_INCOMING_ENABLE B2BUA_SHMR_LAN_INCOMING_MAIN_RULE_NAME B2BUA_SHMR_LAN_INCOMING_RULE_URI The main rule name is the starting point of the script execution. If the script logic is designed to execute rules from top-down manner and no sub-routine used, the main rule name tag is optional. The SHMR related tags can only be activated through auto-provisioning process but not through the GUI importing process.
B2BUA_SHMR_LAN_INCOMING_MAIN_RULE_NAME	String (length: 0-128)	• If no TAG, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • Allowed characters include letters, digits, spaces and ,;.:_- • Case sensitive	
B2BUA_SHMR_LAN_INCOMING_URI	String (length: 0-128) e.g. "http://192.168.3.1/gms/lan_in.shmr"	• If no TAG, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • The tag value cases insensitive, can be blank • Support HTTP(S) and TFTP with a valid IP address or domain	
B2BUA_SHMR_LAN_OUTGOING_ENABLE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
B2BUA_SHMR_LAN_OUTGOING_MAIN_RULE_NAME	String (length: 0-128)	• If no TAG, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • Allowed characters include letters, digits, spaces and ,;.:_- • Case sensitive	
B2BUA_SHMR_LAN_OUTGOING_URI	String (length: 0-128) e.g. "http://192.168.3.1/gms/lan_in.shmr"	• If no TAG, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • The tag value cases insensitive,	

		can be blank • Support HTTP(S) and TFTP with a valid IP address or domain	
B2BUA_SHMR_WAN_INCOMING_ENABLE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
B2BUA_SHMR_WAN_INCOMING_MAIN_RULE_NAME	String (length: 0-128)	• If no TAG, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • Allowed characters include letters, digits, spaces and ,;.:_- • Case sensitive	
B2BUA_SHMR_WAN_INCOMING_URI	String (length: 0-128) e.g. "http://192.168.3.1/gms/lan_in.shmr"	• If no TAG, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • The tag value cases insensitive, can be blank • Support HTTP(S) and TFTP with a valid IP address or domain	
B2BUA_SHMR_WAN_OUTGOING_ENABLE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
B2BUA_SHMR_WAN_OUTGOING_MAIN_RULE_NAME	String (length: 0-128)	• If no TAG, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • Allowed characters include letters, digits, spaces and ,;.:_- • Case sensitive	

B2BUA_SHMR_WAN_OUTGOING_URI	String (length: 0-128) e.g. "http://192.168.3.1/gms/lan_in.shmr"	• If no TAG, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • The tag value cases insensitive, can be blank • Support HTTP(S) and TFTP with a valid IP address or domain	

Call History

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
CDR_B2BUA_ENABLE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
CDR_SIPALG_ENABLE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If the input value invalid, the ESBC uses original value.	
LOG_VQMON_ENABLE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses the original value. • If the input value is invalid, the ESBC uses original value.	

SIP ALG

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
SIP_ALG_ENABLE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, then ESBC uses original value. • If input value invalid, the ESBC uses the original value.	When WAN_INTERFACE_MODE = multiple, ESBC ignores the tags of this section.
SIP_ALG_RTP_TIMEOUT	Integer(>0)	• If no TAG or TAG value blank, then ESBC uses original value.	

		• If input value invalid, the ESBC uses the original value.	
SIP_ALG_OVERRIDE_PHONE_REG_EXPIRES	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, then ESBC uses original value. • If input value invalid, the ESBC uses the original value.	
SIP_ALG_PHONE_REG_EXPIRES	Integer(>=30)	• If no TAG or TAG value blank, then ESBC uses original value. • If input value invalid, the ESBC uses the original value.	
SIP_ALG_OVERRIDE_SERVER_REG_EXPIRES	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, then ESBC uses original value. • If input value invalid, the ESBC uses the original value.	
SIP_ALG_SERVER_REG_EXPIRES	Integer(>=30)	• If no TAG or TAG value blank, then ESBC uses original value. • If input value invalid, the ESBC uses the original value.	
SIP_ALG_EXPIRED_TIME	Integer(>0)	• If no TAG or TAG value blank, then ESBC uses original value. • If input value invalid, the ESBC uses the original value.	
SIP_ALG_MODIFY_CONTACT_USER_OF_OUTGOING_MESSAGE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, then ESBC uses original value. • If input value invalid, the ESBC uses the original value.	
SIP_ALG_MODIFY_CONTACT_HOST_OF_OUTGOING_MESSAGE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, then ESBC uses original value. • If input value invalid, the ESBC uses the original value.	
SIP_ALG_OUTBOUND_PROXY_MAPPING	String(length: 0-256) format: sip_domain1/ip1:port1, sip_domain2/ip2:port2	• If no TAG, the ESBC uses original value. • TAG value blank indicates that the mapping table blank • If there are “space characters” in	

	for example: Innomedia1.com/10.20.30.11:5060, Innomedia2.com/10.20.30.12:5060	a string value, the ESBC ignores space characters. • Maximum string length: 256 characters. Otherwise the string will be truncated. • Maximum number of items: 5 items. Otherwise the items out of range will be truncated. • Valid input value of SIP Domain may only contain letters, digits, "." and "-" • Valid input value of Outbound Proxy Host IP must be the format of IP address, such as 192.168.1.1 • Valid input value of Port may only contain digits. If the port value is not present, the ESBC uses 5060 by default.	
SIP_ALG_DNS_STATIC_RECORDS	String(length: 0-256) format: FQDN/IP1, FQDN2/IP2 for example: 123.innomedia.com/10.20.30.11, 456.innomedia.com/10.20.30.12	• If no TAG, the ESBC uses original value. • TAG value blank indicates that the mapping table blank • If there are "space characters" in a string value, the ESBC ignores space characters. • Maximum string length: 256 characters. Otherwise the string will be truncated. • Maximum number of items: 5 items. Otherwise the items out of range will be truncated. • Valid input value of SIP FQDN may only contain letters, digits, "." and "-" • Valid input value of DNS Host IP must be the format of IP address, such as 192.168.1.1	

SIP ALG Firewall

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules

SIP_ALG_FIREWALL_LAN_ENABLE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	Note that the related tags have to be present in config file in order for the script file to be properly imported to the ESBC. Example: SIP_ALG_FIREWALL_LAN_ENABLE SIP_ALG_FIREWALL_LAN_MAIN_RULE_NAME SIP_ALG_FIREWALL_LAN_RULE_URI The main rule name is the starting point of the script execution. If the script logic is designed to execute rules from top-down manner and no sub-routine used, the main rule name tag is optional. The sip firewall related tags can only be activated through auto-provisioning process but not through the GUI importing process.
SIP_ALG_FIREWALL_LAN_MAIN_RULE_NAME	String (length: 0-128)	• If no TAG, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • Allowed characters include letters, digits, spaces and ,;.:_- • Case sensitive	
SIP_ALG_FIREWALL_LAN_RULE_URI	String (length: 0-128) e.g. "http://192.168.3.1/gms/lan_in.shmr"	• If no TAG, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • The tag value cases insensitive, can be blank • Support HTTP(S) and TFTP with a valid IP address or domain	
SIP_ALG_FIREWALL_WAN_ENABLE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
SIP_ALG_FIREWALL_WAN_MAIN_RULE_NAME	String (length: 0-128)	• If no TAG, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • Allowed characters include letters, digits, spaces and ,;.:_- • Case sensitive	
SIP_ALG_FIREWALL_WAN_RULE_URI	String (length: 0-128) e.g. "http://192.168.3.1/gms/lan_in.shmr"	• If no TAG, the ESBC uses original value. • If input value invalid, the ESBC	

		uses original value. • The tag value cases insensitive, can be blank • Support HTTP(S) and TFTP with a valid IP address or domain	

SIP ALG SHMR

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
SIP_ALG_SHMR_LAN_INCOMING_ENABLE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	Note that three related tags have to be present in config file in order for the script file to be properly imported to the ESBC. Example, SIP_ALG_SHMR_LAN_INCOMING_ENABLE SIP_ALG_SHMR_LAN_INCOMING_MAIN_RULE_NAME SIP_ALG_SHMR_LAN_INCOMING_RULE_URI The main rule name is the starting point of the script execution. If the script logic is designed to execute rules from top-down manner and no sub-routine used, the main rule name tag is optional. The SHMR related tags can only be activated through auto-provisioning process but not through the GUI importing process.
SIP_ALG_SHMR_LAN_INCOMING_MAIN_RULE_NAME	String (length: 0-128)	• If no TAG, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • Allowed characters include letters, digits, spaces and ,;.:_- • Case sensitive	
SIP_ALG_SHMR_LAN_INCOMING_URI	String (length: 0-128) e.g. "http://192.168.3.1/gms/lan_in.shmr"	• If no TAG, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • The tag value cases insensitive, can be blank • Support HTTP(S) and TFTP with a valid IP address or domain	
SIP_ALG_SHMR_LAN_OUTGOING_ENABLE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	

SIP_ALG_SHMR_LAN_OUTGOING_MAIN_RULE_NAME	String (length: 0-128)	• If no TAG, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • Allowed characters include letters, digits, spaces and ,;.:_- • Case sensitive	
SIP_ALG_SHMR_LAN_OUTGOING_URI	String (length: 0-128) e.g. "http://192.168.3.1/gms/lan_in.shmr"	• If no TAG, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • The tag value cases insensitive, can be blank • Support HTTP(S) and TFTP with a valid IP address or domain	
SIP_ALG_SHMR_WAN_INCOMING_ENABLE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
SIP_ALG_SHMR_WAN_INCOMING_MAIN_RULE_NAME	String (length: 0-128)	• If no TAG, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • Allowed characters include letters, digits, spaces and ,;.:_- • Case sensitive	
SIP_ALG_SHMR_WAN_INCOMING_URI	String (length: 0-128) e.g. "http://192.168.3.1/gms/lan_in.shmr"	• If no TAG, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • The tag value cases insensitive, can be blank • Support HTTP(S) and TFTP with a	

		valid IP address or domain	
SIP_ALG_SHMR_WAN_OUTGOING_ENABLE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
SIP_ALG_SHMR_WAN_OUTGOING_MAIN_RULE_NAME	String (length: 0-128)	• If no TAG, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • Allowed characters include letters, digits, spaces and ,;.:_- • Case sensitive	
SIP_ALG_SHMR_WAN_OUTGOING_URI	String (length: 0-128) e.g. "http://192.168.3.1/gms/lan_in.shmr"	• If no TAG, the ESBC uses original value. • If input value invalid, the ESBC uses original value. • The tag value cases insensitive, can be blank • Support HTTP(S) and TFTP with a valid IP address or domain	

DQOS

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
CALL_CONTROL_DQOS_ENABLE	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	1. TAGs of this section only apply to cable modem embedded ESBC models, 85xx and 95xx.
LIMIT_ACTIVE_SERVICE_FLOWS	Integer(>0)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	

ALLOW_CALLS_OVER_LIMIT	Integer(1/0) 1: Enable 0: Disable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
USE_TOD_FROM_CM	Integer(1/0) 1: Enable 0: Disable Associated with the item named on WEB configuration page: "Use Time of Day received from the Cable modem"	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
DQOS_RESERVE_DESTINATION_IP	String(IP Address) Used when the terminating endpoint is not yet known (for service flow reservation).	• If no TAG or TAG value blank, the ESBC uses original value. • Valid input value should be the format of IP address, such as 192.168.1.1 • If input value invalid, the ESBC uses original value.	
DQOS_RESERVE_DESTINATION_PORT	Integer(1-65535) Used when the terminating endpoint is not yet known (for service flow reservation).	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	

2. Network

LAN Ethernet Link Setting

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
LAN_PORT_DESC_X	String(length: 0-60)	• If no TAG, the ESBC keeps original value. • TAG value can be blank. • Valid input value may only Valid input value may only contain letters, digits and the following characters , ; . :	3. X: 1-4 4. When _AUTO_NGOTIATION_ =0, (auto negotiation mode disabled) a) DUPLEX=2 or 3 b) SPEED=5 or 6 c) The TAG value: LAN_PORT_FLOW_CONTROL_X is ignored 5. When _AUTO_NGOTIATION_ =1, d) DUPLEX=1, 2 or 3 e) SPEED=1, 2 or 3 6. If any of the above rule fails for a particular port, then the ESBC keeps the original TAG values of this port for this section.
LAN_PORT_AUTO_NEGOTIATION_X	Integer(0/1) 0: No-negotiation 1: Auto-negotiation	• If no TAG or TAG value blank, the ESBC keeps original value. • Valid input value: 0, 1	
LAN_PORT_DUPLEX_X	Integer(1-3) 1: Auto-negotiation(Half/Full Duplex) 2: Half Duplex 3: Full Duplex	• If no TAG or TAG value blank, the ESBC keeps original value.	
LAN_PORT_SPEED_X	Integer(1-6) 1: Auto-negotiation 2: Auto-negotiation-10Mbps-100Mbps 3: Auto-negotiation-10Mbps 4: Reserved 5: Manual 100Mbps 6: Manual 10Mbps	• If no TAG or TAG value blank, the ESBC keeps original value. • Valid input value range: 1-6; where 4 is reserved.	
LAN_PORT_FLOW_CONTROL_X	Integer(0/1) 0: Disabled 1: Enabled	• If no TAG or TAG value blank, the ESBC keeps original value.	

LAN_PORT_STORM_CONTROL_X	Integer(0-11, 0: Disabled) for 9x platform: 0:disabled 1:1k-fps 2:2k-fps 3:4k-fps 4:8k-fps 5:16k-fps 6:32k-fps 7:64k-fps 8:128k-fps 9:256k-fps 10:512k-fps 11:1M-fps for 8x platform: 0: disabled 1: 159 packets/10ms for 100Mbps port 2: 127 packets/10ms for 100Mbps port 3: 63 packets/10ms for 100Mbps port 4: 31 packets/10ms for 100Mbps port	• If no TAG or TAG value blank, the ESBC keeps original value. • For ESBC 9xxx models, valid value range: 0 to 11 • For ESBC 8xxx models, valid value range: 0 to 4	
LAN_PORT_FLOW_CONTROL_THRES_TRANS_ON	Integer(16-256)	• If no TAG or TAG value blank, the ESBC keeps original value.	1. This TAG value applies to all 4 LAN ports. 2. The TAG value of "LAN_PORT_FLOW_CONTROL_THRES_TRANS_OFF" should be greater than the TAG value of "LAN_PORT_FLOW_CONTROL_THRES_TRANS_ON" 3. If any of the rules above fails, the ESBC uses original values of link settings for all LAN ports.
LAN_PORT_FLOW_CONTROL_THRES_TRANS_OFF	Integer(16-256)	• If no TAG or TAG value blank, the ESBC keeps original value.	

LAN Port Assignment

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
LAN_PORT_ENABLE_X	Integer(0/1) 0: disabled(power down mode) 1: enabled	• If no TAG or TAG value blank, the ESBC uses original value.	1. X：1 – 4 2. The values of the following TAGs overrides the TAG value of LAN_PORT_ENABLE_X. • MANAGEMENT_PORT • BRIDGE_PORT • ROUTER_PORT • WAN_BACKUP_PORT 3. When TAG value of MANAGEMENT_PORT, ROUTER_PORT, and BRIDGE port is assigned to be “-1”, the ESBC restores this particular port to “NAT/VOICE” port by default; whether this port is enabled or disabled depends on the TAG value of LAN_PORT_ENABLE_X. 4. One port can only be configured with one interface type. 5. If any of the above rule checking fails, the ESBC void all TAG values of the following LAN sections, and keeps their original values. • LAN Port Assignment • LAN Router port • LAN Management port 6. Tags of this section DO NOT apply to HD-Platform ESBC models except for MANAGEMENT_PORT. 7. When WAN_INTERFACE_MODE = multiple, ESBC ignores the tags BRIDGE_PORT, WAN_BACKUP_PORT and ROUTER_PORT
MANAGEMENT_PORT	Integer(-1, 1-4) -1: disabled 1-4: port number	• If no TAG or TAG value blank, the ESBC uses original value.	
BRIDGE_PORT	Integer(-1, 1-4) -1: disabled 1-4: port number	• If no TAG or TAG value blank, the ESBC uses original value.	
ROUTER_PORT	Integer(-1, 1-4) -1: disabled 1-4: port number	• If no TAG or TAG value blank, the ESBC uses original value.	
WAN_BACKUP_PORT	Integer(-1, 1-4) -1: disabled 1-4: port number	• If no TAG or TAG value blank, the ESBC uses original value.	

Voice LAN Ports

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
LAN_VLAN_TAG	Integer(-1, 1-1023) -1: No VLAN Tagging VLAN Tag ID for the voice LAN interface		1. If any of the above rule fails for a particular port, then the ESBC keeps their original values of all TAGs of "Voice LAN Ports" section.
LAN_VLAN_TAGGED_PORTS	Integer(-1, 1-4) -1: None VLAN Tagged ENABLED LAN NAT ports: LAN_VLAN_TAGGED_PORTS=1,2,3		2. If any of the above rule fails for a particular port, then the ESBC keeps their original values of all TAGs of "Voice LAN Ports" section.
LAN_CONNECTION_TYPE	Integer(1/2) 1: Static IP 2: DHCP Client	• If no TAG or TAG value blank, then ESBC keeps the original value.	1. When LAN_CONNECTION_TYPE=1, the following TAGs must be present. a) LAN_STATIC_IP b) LAN_STATIC_IP_NETMASK 2. When LAN_CONNECTION_TYPE=2, the following TAGs are ignored, and ESBC does not provide warning message in the log file. a) LAN_STATIC_IP b) LAN_STATIC_IP_NETMASK 3. When the TAGs of connection type or IP address are different from the current ESBC configurations, the following tasks are executed. If they are needed in ESBC operation, associated TAGs have to be explicitly input. a) Disabling the DHCP server feature, and clearing MAC binding list. b) Disabling NTP server feature c) Clearing configuration data of pages, Port Forwarding, DMZ. d) Clearing static route rules of LAN
LAN_STATIC_IP	String(IP address)	• Must be the format of IP address, such as 192.168.1.1	
LAN_STATIC_IP_NETMASK	String(Netmask)	• Must be the format of netmask, such as 255.255.255.0	
LAN_STATIC_IP_HOST_NAME	String(length: 1-32),	• If no TAG or TAG value blank, the ESBC uses original value. • Maximum string length: 32 characters. Otherwise the string will be truncated.Valid input value may only contain letters, digits, "." and "-"	

			side. 4. When any of the rules fails, the ESBC keeps the current values of the TAGs described in "Voice LAN Ports" section. 5. When the associated TAGs that define subnets are mistakenly configured in the scenarios described below, then the ESBC rejects this import process and outputs Fatal error messages in log file. a) When WAN port is STATIC IP, LAN subnet conflicts with WAN subnet. b) When Router Port is enabled, the LAN subnet conflicts with Router subnet. c) When Management Port is enabled, LAN subnet conflicts with Management subnet. d) If this unit is a cable modem embedded ESBC, LAN subnet conflicts with the reserved CM network (192.168.100.0/24).
LAN_STATIC_IP_DOMAIN	String(length: 0-32), optional	• If no TAG, the ESBC uses original value. • TAG value can be blank. • Maximum string length: 32 characters. Otherwise the string will be truncated. • Valid input value may only contain letters, digits, "." and "-"	
LAN_RTP_DEFAULT_GW	String(IP address), optional	• If no TAG, ESBC keeps the original value. • TAG value can be blank. • Must be the format of IP address, such as 192.168.1.1	1. The gateway must be in the same subnet with LAN IP subnet. Not be same as LAN IP.

Voice LAN DHCP Server

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
LAN_DHCP_SERVER_ENABLE	Integer(0/1) 0: disabled 1: enabled	• If no TAG or TAG value blank, then ESBC keeps the original value.	1. When LAN_CONNECTION = 2, the ESBC ignores all TAGs of this section. 2. When LAN_DHCP_SERVER_ENABLE = 1, the following logic apply. a) LAN_DHCP_SERVER_STARTING_IP is a MUST TAG, and it must be within the same subnet of LAN IP address. b) LAN_DHCP_SERVER_ENDING_ IP is a MUST TAG, and it must be within the same subnet of LAN IP address. c) LAN_DHCP_SERVER_LEASE_TIME is a MUST TAG. d) _ENDING_IP > _STARTING_IP 3. When LAN_DHCP_SERVER_ENABLE = 0, the ESBC ignores all TAGs of this section. 4. When any of the following rules fails, then the ESBC disables the LAN DHCP server features. a) LAN_DHCP_SERVER_STARTING_IP should be within the same subnet of the LAN IP. b) LAN_DHCP_SERVER_ENDING_IP should be within the same subnet of the LAN IP. c) _ENDING_IP > _STARTING_IP
LAN_DHCP_SERVER_STARTING_IP	String(IP address) Starting Offered IP Address	• Must be the format of IP address, such as 192.168.1.1	
LAN_DHCP_SERVER_ENDING_IP	String(IP address) Ending Offered IP Address	• Must be the format of IP address, such as 192.168.1.1	
LAN_DHCP_SERVER_LEASE_TIME	Integer(3600-604800), second 3600: 1-hour 7200: 2-hour 10800: 3-hour 86400: 1-day 172800: 2-day 259200: 3-day 604800: 1-week		
LAN_DHCP_SERVER_PRIMARY_DNS	String(IP address), optional	• If no TAG, then ESBC keeps the original value. • TAG value can be blank. • Must be the format of IP address, such as 192.168.1.1	
LAN_DHCP_SERVER_SECONDARY_DNS	String(IP address), optional	• If no TAG defined, the ESBC uses the original value. • TAG value blank is valid • Must be the format of IP address, such as 192.168.1.1	
LAN_DHCP_SERVER_WINS	String(IP address), optional	• If no TAG defined, the ESBC uses	

		the original value. • TAG value blank is valid • Must be the format of IP address, such as 192.168.1.1	
LAN_DHCP_SERVER_DEFAULT_ROUTING	String(IP address), optional	• If no TAG defined, the ESBC uses the original value. • TAG value blank is valid • Must be the format of IP address, such as 192.168.1.1	
LAN_DHCP_SERVER_OPTION66	String(length: 0-128), optional	• If no TAG defined, the ESBC uses the original value. • TAG value blank is valid • Valid input value may only contain letters, digits and the following characters /~!@^()_}{:[].:,-*$%+|?=	
LAN_DHCP_SERVER_OPTION67	String(length: 0-128), optional	• If no TAG defined, the ESBC uses the original value. • TAG value blank is valid • Valid input value may only contain letters, digits and the following characters /~!@^()_}{:[].:,-*$%+|?=	
LAN_DHCP_SERVER_OPTION150	String(length: 0-128), optional	• If no TAG defined, the ESBC uses the original value. • TAG value blank is valid • Valid input value may only contain one or two IP addresses	
LAN_DHCP_SERVER_OPTION156	String(length: 0-128), optional	• If no TAG defined, the ESBC uses the original value. • TAG value blank is valid • Valid input value may only contain letters, digits and the following characters /~!@^()_}{:[].:,-	

		*$%+|?=	
LAN_DHCP_SERVER_OPTION159	String(length: 0-128), optional	• If no TAG defined, the ESBC uses the original value. • TAG value blank is valid • Valid input value may only contain letters, digits and the following characters /~!@^()_}{:[].;,-*$%+|?=	
LAN_DHCP_SERVER_OPTION160	String(length: 0-128), optional	• If no TAG defined, the ESBC uses the original value. • TAG value blank is valid • Valid input value may only contain letters, digits and the following characters /~!@^()_}{:[].;,-*$%+|?=	

Router LAN Port

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
ROUTER_IPADDRESS	String(IP address)	• Having to be the format of IP address, such as 192.168.1.1	1. When ROUTER_PORT= -1 (disabled), the ESBC ignores all TAG values of this section, and does not log warning info. 2. When ROUTER_PORT is defined and enabled, the following TAGs must be present. a) ROUTER_IPADDRESS b) ROUTER_NETMASK 3. When any of the rules checking fails, the ESBC uses the original values for the following related TAGs: • LAN Port assignment, • LAN Router ort, • LAN Management port 4. When ROUTER_PORT is enabled and any of the following conditions occur, the
ROUTER_NETMASK	String(netmask)	• Having to be the format of netmask, such as 255.255.255.0	
RIP_VERSION	Integer(1/2) 1: RIPv1 2:RIPv2	• If no TAG or TAG value blank, then the ESBC uses the original value.	
RIP_AUTHENTICATION	String(md5/text/none) Offered RIPv2 Authentication Mode	• • Input value case insensitive • If no TAG or TAG value blank, then the ESBC uses the original value.	
RIP_KEY_ID	String(length: 1-10) Offered MD5 Key ID	• If no TAG or TAG value blank, then the ESBC uses the original value. • Valid input value may only contain	

		digits • Maximum input length: 10 characters.	ESBC rejects the whole config (or XML) file import and pops up Fatal Error message. a) When LAN port is STATIC IP, Router port subnet conflicts with LAN port subnet. b) When WAN port is STATIC IP, Router port subnet conflicts with WAN port subnet. c) When Management Port is enabled, Router port subnet conflicts with Management port subnet. d) If this ESBC unit is cable modem embedded, Router port subnet conflicts with the reserved CM network (192.168.100.0/24). 5. TAGS of this section DO NOT apply to HD-Platform ESBC models. 6. When WAN_INTERFACE_MODE = multiple, ESBC ignores the tags of this section.
RIP_KEY_STRING	String(length: 1-128) Offered MD5 Key String	• If no TAG or TAG value blank, then the ESBC uses the original value. • Valid input value may only Valid input value may only contain letters, digits and the following characters ~ ! @ ^ ( ) _ } { : [ ] . ; , - * • Maximum input length: 128 characters.	
RIP_PASSWORD	String(length: 1-16) Offered Text Password	• If no TAG or TAG value blank, then the ESBC uses the original value. • Valid input value may only contain letters, digits and the following characters ~ ! @ ^ ( ) _ } { : [ ] . ; , - * • Maximum input length: 16 characters.	
RIP_UPDATE	Integer(5-3600) Every update timer seconds, the RIP daemon is awakened to send an unsolicited Response message containing the complete routing table to all neighboring RIP routers	• If no TAG or TAG value blank, then the ESBC uses the original value.	
RIP_TIMEOUT	Integer(5-3600) Upon expiration of the timeout, the route is no longer valid; however, it is retained in the routing table for a short time so that neighbors can be notified that the route has been dropped.	• If no TAG or TAG value blank, then the ESBC uses the original value	
RIP_GARBAGE	Integer(5-3600)	• If no TAG or TAG value blank, then the ESBC uses the original value.	

	Upon expiration of the garbage-collection timer, the route is finally removed from the routing table.		

Management LAN Port

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
MANAGEMENT_IPADDRESS	String(IP address)	• Must be the format of IP address, such as 192.168.1.1	1. When MANAGEMENT_PORT= -1 (disabled), the ESBC ignores all TAG values of this section, and does not log warning info. 2. When defining MANAGEMENT_PORT to be enabled, the following TAGs must be present. a) MANAGEMENT_IPADDRESS b) MANAGEMENT_NETMASK c) MANAGEMENT_PORT_SERVER_ENABLE 3. When defining MANAGEMENT_DHCP_SERVER_ENABLE = 1, the following logic applies. a) MANAGEMENT_DHCP_SERVER_STARTING_IP is a MUST TAG, and it must be within the same subnet of MANAGEMENT Port IP address. b) MANAGEMENT_DHCP_SERVER_ENDING_ IP is a MUST TAG, and it must be within the same subnet of MANAGEMENT port IP address. c) _ENDING_IP > _STARTING_IP 1. When MANAGEMENT_DHCP_SERVER_ENABLE = 0, the ESBC ignores other related TAGs. 2. When any of the rules checking fails, the ESBC uses the original values for the following related TAGs: • LAN Port assignment, • LAN Router port, • LAN Management port
MANAGEMENT_NETMASK	String(Netmask)	• Must be the format of netmask, such as 255.255.255.0	
MANAGEMENT_DHCP_SERVER_ENABLE	Integer(0/1) 0: disabled 1: enabled		
MANAGEMENT_DHCP_SERVER_START	String(IP address) Starting Offered IP Address	• Must be the format of IP address, such as 192.168.1.1	
MANAGEMENT_DHCP_SERVER_END	String(IP address) Ending Offered IP Address	• Must be the format of IP address, such as 192.168.1.1	

			3. When MANAGEMENT_PORT TAG is enabled and any of the following conditions occur, the ESBC rejects the whole config (or XML) file import and pops up Fatal Error message. a) When LAN port is STATIC IP, MANAGEMENT port subnet conflicts with LAN port subnet. b) When WAN port is STATIC IP, MANAGEMENT port subnet conflicts with WAN port subnet. c) When Router Port is enabled, MANAGEMENT port subnet conflicts with Router port subnet. d) If this ESBC unit is cable modem embedded, MANAGEMENT port subnet conflicts with the reserved CM network (192.168.100.0/24).

WAN Ethernet Link Setting

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
WAN_AUTO_NEGOTIATION WAN_PORT_AUTO_NEGOTIATION_2	Integer(0/1) 0: No-negotiation 1: Auto-negotiation	• If no TAG or TAG value blank, then the ESBC uses the original value. • Valid input value: 0, 1	1. When _AUTO_NGOTIATION_ =0, f) DUPLEX=2 or 3 g) SPEED=5 or 6 2. When _AUTO_NGOTIATION_ =1, h) DUPLEX=1, 2, or 3 i) SPEED=1, 2 or 3 3. When any of the above rule fails, then the ESBC keeps the original values of TAGs of this section. 4. If this ESBC unit is with an embedded cable modem , the ESBC ignores TAGs of this section. 5. If this ESBC unit is with one WAN port, the ESBC ignores the following TAGs: a) WAN_PORT_AUTO_NEGOTIATION_2 b) WAN_PORT_DUPLEX_2 c) WAN_PORT_SPEED_2
WAN_DUPLEX WAN_PORT_DUPLEX_2	Integer(1-3) 1: Auto-negotiation(Half/Full Duplex) 2: Half Duplex 3: Full Duplex	• If no TAG or TAG value blank, then the ESBC uses the original value.	
WAN_SPEED WAN_PORT_SPEED_2	Integer(1-6) 1: Auto-negotiation 2: Auto-negotiation-10Mbps-100Mbps 3: Auto-negotiation-10Mbps 4: Reserved 5: Manual 100Mbps 6: Manual 10Mbps	• If no TAG or TAG value blank, then the ESBC uses the original value. • Valid input value range: 1-6, where 4 is reserved.	

WAN IP Network

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
WAN_INTERFACE_MODE	String(single/multiple)	• If no TAG or TAG value blank, the ESBC uses the original value. • Input value case insensitive	1. If WAN_INTERFACE_MODE = “single”, Ignore WAN_MULTIPLE_IF_TABLE_X 2. If WAN_INTERFACE_MODE = “multiple”, Ignore all WAN IP Network Tags 3. If input value invalid, the ESBC rejects this import process and outputs Fatal error messages in log file.

WAN Single Interface Setting

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
WAN_CONNECTION_TYPE	Integer(0/1/2) 0: None 1: Static IP 2: DHCP Client	• If no TAG or TAG value blank, the ESBC uses the original value.	1. When defining WAN_CONNECTION_TYPE=1, the following TAGs must be present. a) WAN_STATIC_IP b) WAN_STATIC_IP_NETMASK c) WAN_STATIC_IP_GATEWAY d) WAN_STATIC_IP_DNS1 2. When WAN_CONNECTION_TYPE=2, the ESBC ignores values all other TAGs of this section and does not provide warning message. 3. When any of the rules fails, the ESBC keeps the current values of all TAGs described in this section. 4. When WAN_CONNECTION_TYPE=1, and any of the following items fails, the ESBC rejects this import process and outputs Fatal error messages. a) When LAN port (or Voice port) is STATIC IP, the WAN port subnet conflicts with the LAN subnet. b) When Router Port is enabled, the WAN subnet conflicts with Router
WAN_STATIC_IP	String(IP address)	• Must be the format of IP address, such as 192.168.1.1	
WAN_STATIC_IP_NETMASK	String(Netmask)	• Must be the format of netmask, such as 255.255.255.0	
WAN_STATIC_IP_GATEWAY	String(IP address)	• Must be the format of IP address, such as 192.168.1.1 • Must not be the same as the value of WAN_STATIC_IP • Must to be within the same subnet of WAN_STATIC_IP	
WAN_STATIC_IP_DNS1	String(IP address)	• Must be the format of IP address, such as 192.168.1.1 • Must not be blank.	
WAN_STATIC_IP_DNS2	String(IP address), optional	• If no TAG, then then the ESBC uses the original value.	

		• TAG value can be blank.. • Must be the format of IP address, such as 192.168.1.1	subnet. c) When Management Port is enabled, WAN subnet conflicts with Management subnet. d) If this unit is a cable modem embedded ESBC, LAN subnet conflicts with the reserved CM network (192.168.100.0/24). 5. If WAN_INTERFACE_MODE = "multiple", ESBC will keep the original values of all TAGs described in this section.
WAN_BACKUP_CONNECTION_TYPE	Integer(0/1/2) 0: None 1: Static IP 2: DHCP Client	• If no TAG or TAG value blank, the ESBC uses the original value.	1. When defining WAN_BACKUP_CONNECTION_TYPE=1, the following TAGs must be present. a) WAN_BACKUP_STATIC_IP b) WAN_BACKUP_STATIC_IP_NETMASK c) WAN_BACKUP_STATIC_IP_GATEWAY d) WAN_BACKUP_STATIC_IP_DNS1 2. When WAN_BACKUP_CONNECTION_TYPE=2, the ESBC ignores values all other TAGs of this section and does not provide warning message. 3. When any of the rules fails, the ESBC keeps the current values of all TAGs described in this section. 4. When WAN_BACKUP_CONNECTION_TYPE=1, and any of the following items fails, the ESBC rejects this import process and outputs Fatal error messages. a) When LAN port (or Voice port) is STATIC IP, the WAN port subnet conflicts with the LAN subnet. b) When Router Port is enabled, the WAN subnet conflicts with Router subnet. c) When Management Port is enabled, WAN subnet conflicts with Management subnet. d) If this unit is a cable modem embedded ESBC, LAN subnet
WAN_BACKUP_STATIC_IP	String(IP address)	• Must be the format of IP address, such as 192.168.1.1	
WAN_BACKUP_STATIC_IP_NETMASK	String(Netmask)	• Must be the format of netmask, such as 255.255.255.0	
WAN_BACKUP_STATIC_IP_GATEWAY	String(IP address)	• Must be the format of IP address, such as 192.168.1.1 • Must not be the same as the value of WAN_STATIC_IP • Must to be within the same subnet of WAN_STATIC_IP	
WAN_BACKUP_STATIC_IP_DNS1	String(IP address)	• Must be the format of IP address, such as 192.168.1.1 • Must not be blank.	
WAN_BACKUP_STATIC_IP_DNS2	String(IP address), optional	• If no TAG, then then the ESBC uses the original value. • TAG value can be blank.. • Must be the format of IP address, such as 192.168.1.1	

			conflicts with the reserved CM network (192.168.100.0/24). 5. If WAN_INTERFACE_MODE = "multiple", ESBC will keep the original values of all TAGs described in this section.
WAN_BACKUP_REVERT	Integer(0/1) 0: disabled 1: enabled	• If no TAG or TAG value blank, then ESBC keeps the original value. • If input value invalid, the ESBC uses original value.	
WAN_BACKUP_UPLINK_TIMER	Integer(2-60), second	• If no TAG or TAG value blank, then ESBC keeps the original value. • If input value invalid, the ESBC uses original value.	
WAN_BACKUP_UPLINK_ATTEMPTS	Integer(1-10)	• If no TAG or TAG value blank, then ESBC keeps the original value. • If input value invalid, the ESBC uses original value.	
WAN_BACKUP_DOWNLINK_TIMER	Integer(2-60), second	• If no TAG or TAG value blank, then ESBC keeps the original value. • If input value invalid, the ESBC uses original value.	
WAN_BACKUP_DOWNLINK_ATTEMPTS	Integer(1-10)	• If no TAG or TAG value blank, then ESBC keeps the original value. • If input value invalid, the ESBC uses original value.	
WAN_BACKUP_PING_TTL	Integer(1-255)	• If no TAG or TAG value blank, then ESBC keeps the original value. • If input value invalid, the ESBC uses original value.	
WAN_BACKUP_PING_TIMEOUT	Integer(1-3600000), ms	• If no TAG or TAG value blank, then ESBC keeps the original value. • If input value invalid, the ESBC uses original value.	
WAN_BACKUP_PING_PAYLOAD_SIZE	Integer(1-65507), byte	• If no TAG or TAG value blank, then ESBC keeps the original value.	

		• If input value invalid, the ESBC uses original value.	
WAN_BACKUP_UPPING_TIMER	Integer(5-60), second	• If no TAG or TAG value blank, then ESBC keeps the original value. • If input value invalid, the ESBC uses original value.	
WAN_BACKUP_UPPING_ATTEMPTS	Integer(1-10)	• If no TAG or TAG value blank, then ESBC keeps the original value. • If input value invalid, the ESBC uses original value.	
WAN_BACKUP_DOWNPING_TIMER	Integer(5-60), second	• If no TAG or TAG value blank, then ESBC keeps the original value. • If input value invalid, the ESBC uses original value.	
WAN_BACKUP_DOWNPING_ATTEMPTS	Integer(1-10)	• If no TAG or TAG value blank, then ESBC keeps the original value. • If input value invalid, the ESBC uses original value.	
WAN_BACKUP_PING_PRIMARY	Integer(0/1) 0: disabled 1: enabled	• If no TAG or TAG value blank, then ESBC keeps the original value. • If input value invalid, the ESBC uses original value.	
WAN_BACKUP_PING_PRIMARY_HOST1	String(length:1-40) Unsupport IPv6	• If no TAG or TAG value blank, then ESBC keeps the original value. • If input value invalid, the ESBC uses original value. • Valid input value may only contain letters, digits, "." , “_” and "-". • Maximum input string length: 40 characters. Long string will be truncated	
WAN_BACKUP_PING_PRIMARY_HOST2	String(length:1-40) Unsupport IPv6	• If no TAG or TAG value blank, then ESBC keeps the original value. • If input value invalid, the ESBC uses original value. • Valid input value may only contain letters, digits, "." , “_” and "-".	

		• Maximum input string length: 40 characters. Long string will be truncated	
WAN_BACKUP_PING_PRIMARY_HOST3	String(length:1-40) Unsupport IPv6	• If no TAG or TAG value blank, then ESBC keeps the original value. • If input value invalid, the ESBC uses original value. • Valid input value may only contain letters, digits, "." , “_” and "-". • Maximum input string length: 40 characters. Long string will be truncated	
WAN_BACKUP_PING_SECONDARY	Integer(0/1) 0: disabled 1: enabled	• If no TAG or TAG value blank, then ESBC keeps the original value. • If input value invalid, the ESBC uses original value.	
WAN_BACKUP_PING_SECONDARY_HOST1	String(length:1-40) Unsupport IPv6	• If no TAG or TAG value blank, then ESBC keeps the original value. • If input value invalid, the ESBC uses original value. • Valid input value may only contain letters, digits, "." , “:” and "-". • Maximum input string length: 40 characters. Long string will be truncated	
WAN_BACKUP_PING_SECONDARY_HOST2	String(length:1-40) Unsupport IPv6	• If no TAG or TAG value blank, then ESBC keeps the original value. • If input value invalid, the ESBC uses original value. • Valid input value may only contain letters, digits, "." , “:” and "-". • Maximum input string length: 40 characters. Long string will be truncated	
WAN_BACKUP_PING_SECONDARY_HOST3	String(length:1-40) Unsupport IPv6	• If no TAG or TAG value blank, then ESBC keeps the original value. • If input value invalid, the ESBC uses original value. • Valid input value may only contain letters, digits, "." , “:” and "-". • Maximum input string length: 40 characters. Long string will be	

		truncated	
WAN_CONNECTION_TYPE_IPV6	Integer(0/1/2) 0: None 1: Static IP 2: Auto	• If no TAG or TAG value blank, the ESBC uses the original value.	6. When defining WAN_CONNECTION_TYPE=1, the following TAGs must be present. e) WAN_STATIC_IP f) WAN_STATIC_IP_NETMASK g) WAN_STATIC_IP_GATEWAY h) WAN_STATIC_IP_DNS1 7. When WAN_CONNECTION_TYPE=2, the ESBC ignores values all other TAGs of this section and does not provide warning message. 8. When any of the rules fails, the ESBC keeps the current values of all TAGs described in this section. 9. When WAN_CONNECTION_TYPE=1, and any of the following items fails, the ESBC rejects this import process and outputs Fatal error messages. e) When LAN port (or Voice port) is STATIC IP, the WAN port subnet conflicts with the LAN subnet. f) When Router Port is enabled, the WAN subnet conflicts with Router subnet. g) When Management Port is enabled, WAN subnet conflicts with Management subnet. h) If this unit is a cable modem embedded ESBC, LAN subnet conflicts with the reserved CM network (192.168.100.0/24). 10. If WAN_INTERFACE_MODE = "multiple", ESBC will keep the original values of all TAGs described in this section.
WAN_STATIC_IPV6	String(IP address)	• Must be the format of IP address, such as 192.168.1.1	
WAN_STATIC_IPV6_GATEWAY	String(IP address)	• Must be the format of IP address, such as 192.168.1.1 • Must not be the same as the value of WAN_STATIC_IP • Must to be within the same subnet of WAN_STATIC_IP	
WAN_STATIC_IPV6_DNS1	String(IP address)	• Must be the format of IP address, such as 192.168.1.1 • Must not be blank.	
WAN_STATIC_IPV6_DNS2	String(IP address), optional	• If no TAG, then then the ESBC uses the original value. • TAG value can be blank.. • Must be the format of IP address, such as 192.168.1.1	
		•	

WAN Multiple Interface Setting

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
WAN_MULTIPLE_IF_TABLE_X	String(1-1024)	• "vlan id" and "name" should be	1. X: 2

	Format: a) vlan id/name/traffic type/ctype/ip/mask/gateway/ dns1/dns2 b) vlan id/name/traffic type/1/ip/mask/gateway/dns 1 c) vlan id/name/ type/2(DHCP) vlan id: Integer, 0-4095 or -1(blank), name: String(1-32). traffic type: String(oamp, signaling+media, oamp+signaling+media) ctype: Integer, 1(Static), 2(DHCP). Ip: WAN IP address Mask: 1-31 or netmask format gateway: Gateway IP address dns1: primary DNS dns2: secondary DNS, optional For example: a) WAN_MULTIPLE_IF_TABLE_1 = 88/Management/oamp /1 / 192.168.1.1/ 24/192.168.1.2/192.168.1.3/1 92.168.1.4 WAN_MULTIPLE_IF_TABLE_2 = -1/Voice/signaling+media /2 b) WAN_MULTIPLE_IF_TABLE_1 = 108/Voice/ oamp+signaling+media/ 1 / 192.168.2.1/ 255.255.255.0/ 192.168.2.2/ 192.168.2.3	unique for each interface. • "traffic type" value case insensitive • all traffic types must be configured once. • "name" value may only contain letters, digits, spaces and the following characters ,;.:_- • "Ip" and "gateway" should not be subnet broadcost address • "Mask" value format can be "24" or "255.255.255.0" • "dns2" is optional	2. If WAN_INTERFACE_MODE = "multiple", the following TAGs must be present. a) WAN_MULTIPLE_IF_TABLE_1 3. If WAN_INTERFACE_MODE = "single", ESBC will ignore all TAG values in this section. 4. If any of the rules fails, the ESBC rejects this import process and outputs Fatal error messages in log file.

Cable Modem Interface

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
CM_IF_CONFIG	String(length: 1-32) format: 192.168.1.100/255.255.255.0	• If no TAG or TAG value blank, the ESBC uses the original value. • If there are "space characters" in a string value, the ESBC ignores space characters.e • Must be the format of IP address, such as 192.168.1.1 • Must be the format of netmask, such as 255.255.255.0	1 Any of the following items fails, the ESBC rejects this import process: a) When LAN port (or Voice port) is STATIC IP, the CM interface subnet conflicts with the LAN subnet. b) When WAN port is STATIC IP, the CM interface subnet conflicts with the WAN subnet. c) When Router Port is enabled, the CM interface subnet conflicts with Router subnet. d) When Management Port is enabled, the CM interface subnet conflicts with Management subnet. 2 If this unit is not a cable modem embedded ESBC, the TAG will be ignored. 3 Tags of this section don't apply to HD-Platform ESBC models.

VPN PPTP Server

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
PPTP_SERVER_ENABLE	Integer(0/1) 0: disabled 1: enabled	• If no TAG or TAG value blank, then ESBC keeps the original value.	1. When PPTP_SERVER_ENABLE = 1, the following TAGs must be present. a) PPTP_SERVER_SERVER_IP b) PPTP_SERVER_CLIENT_IP 2. When PPTP_SERVER_ENABLE = 0, the ESBC ignores all other TAGs of this section. 3. If any one of the rules fails, the ESBC uses original values of TAGs of this Section.
PPTP_SERVER_SERVER_IP	String(IP address)	• Input value must be the format of IP address, such as 192.168.1.1	
PPTP_SERVER_CLIENT_IP	String(IP address range) format: "x.x.x.x-x", i.e. 173.16.1.200-222	• Input value must be the format of IP address range, such as 192.168.1.1-12 • ENDING_IP > STARTING_IP	
PPTP_SERVER_MAX_CONNECTIONS	Integer(1-16)	• If no TAG or TAG value blank, the	

		ESBC uses the original value.	
PPTP_SERVER_USER_PASSWORD_LIST	String(0-512) Format: “user1 password1, user2 password2, ...” account pool	• If no TAG or TAG value blank, the ESBC uses the original value. • Use space to delimit values of user and password. • Use comma (,) to delimit each account setting • Up to 8 groups of account members • Values of user and password must not be blank. • Maximum string length of user: 64 characters. • Maximum string length of password: 64 characters.	

Access Control

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
ACCESS_CONTROL_LAN_STARTING_IP_ADDRESS_**X**	String(IP address)	• Must be the format of IP address, such as 192.168.1.1	1. X: 1 - 20 2. When all of the _STARTING_IP_ADDRESS_X are not defined, the ESBC uses original values of all TAGs of this section. 3. When STARTING_IP_ADDRESS is defined and is not blank, the other two TAGs of this section MUST be defined. 4. The values of STARTING_IP_ADDRESS and ENDING_IP_ADDRESS MUST be within the same subnet. 5. ENDING_IP_ADDRESS **>** STARTING_IP_ADDRESS 6. If any of the above rules fails, the ESBC uses the original values of all TAGs of this
ACCESS_CONTROL_LAN_ENDING_IP_ADDRESS_**X**	String(IP address)	• Must be the format of IP address, such as 192.168.1.1	
ACCESS_CONTROL_LAN_ENABLE_IP_ADDRESS_**X**	Integer(0/1) 0: disabled 1: enabled		

			section. 7. When all three TAG values is blank, the ESBC voids all the current configuration of this section on ESBC. 8. When WAN_INTERFACE_MODE = multiple, ESBC ignores the tags of this section.
Port Forwarding			
PORT_FORWARDING_X	String(length: 0-128) **Format:** Description/Protocol/ Starting_Port/Ending_Port/ IP_Address/ /Enabled Protocol: tcp, udp, tcp+udp Enabled: 1/0 **For examples:** PORT_FORWARDING_1 = SSH2/tcp/22/22/172.16.1.1/1/	• If leaving "PORT_FORWARDING_1" blank, ESBC will delete all PORT FORWARDING entries	1. X:1- 20 If any one of rules fails, the ESBC uses original values of TAGs of this Section.
Static Routing			
Provisioning TAG	**Available Values/Examples**	**TAG Usage Rules**	**Section TAG Usage Rules**
LAN_STATIC_ROUTING	String format: destination1/mask1/gateway1/metric1, metric: integer(0-9999) for example: 192.168.1.1/255.255.255.0/172.16.1.1/1,	• Destination and gateway must be the format of IP address, such as 192.168.1.1 • Mask must be the format of netmask, such as 255.255.255.0 • TAG value blank indicates that the static routing table blank • If no TAG, the ESBC uses the original value	1. The destination must not be in the same subnet with LAN IP subnet. 2. The gateway must be in the same subnet with LAN IP subnet. 3. If any of the rules fail, the ESBC keeps the original value.

	192.168.2.1/255.255.255.0/172.16.1.2/1		

Voice QoS

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
TOS_ENABLE_WAN	Integer(0/1) 0: Disabled 1: Enabled	• If no TAG or TAG value blank, the ESBC uses original value.	1 When TOS_ENABLE_WAN=0, the ESBC applies 0 to the following TAG value. a) TOS_SIP_SIGNALING_WAN b) TOS_VOICE_TRAFFIC_WAN 2 When TOS_ENABLE_WAN = 1, the following logic apply. a) TOS_SIP_SIGNALING_WAN is a MUST TAG b) TOS_VOICE_TRAFFIC_WAN is a MUST TAG 3 If any of the above rules fails, the ESBC uses the original values of all TAGs of this section.
TOS_SIP_SIGNALING_WAN	Integer(0-255)	• If no TAG or TAG value blank, the ESBC uses original value.	
TOS_VOICE_TRAFFIC_WAN	Integer(0-255)	• If no TAG or TAG value blank, the ESBC uses original value.	
TOS_ENABLE_LAN	Integer(0/1) 0: Disabled 1: Enabled	• If no TAG or TAG value blank, the ESBC uses original value.	1 When TOS_ENABLE_LAN=0, the ESBC applies 0 to the following TAG value. a) TOS_SIP_SIGNALING_LAN b) TOS_VOICE_TRAFFIC_LAN 2 When TOS_ENABLE_LAN = 1, the following logic apply. a) TOS_SIP_SIGNALING_LAN is a MUST TAG b) TOS_VOICE_TRAFFIC_LAN is a MUST TAG. 3 If any of the above rules fails, the ESBC uses the original values of all TAGs of this section.
TOS_SIP_SIGNALING_LAN	Integer(0-255)	• If no TAG or TAG value blank, the ESBC uses original value.	
TOS_VOICE_TRAFFIC_LAN	Integer(0-255)	• If no TAG or TAG value blank, the ESBC uses original value.	

NTP Server

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
LAN_NTP_SERVER_ENABLE	Integer(0/1)	• If no TAG or TAG value blank, the	

	0: Disabled 1: Enabled	ESBC uses original value • If TAG value is invalid, the ESBC uses original value	

Miscellaneous

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
PING_TO_WAN_INTERFACE_ENABLE	Integer(0/1) 0: Disabled 1: Enabled	• If no TAG or TAG value blank, the ESBC uses original value • If TAG value is invalid, the ESBC uses original value	
MTU	Integer (536-1500)	• If no TAG or TAG value blank, the ESBC uses original value • If TAG value is invalid, the ESBC uses original value	

3. System

Firmware

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
FIRMWARE_URI	String(length: 0-512) Path of downloading the firmware Must be of complete URL format when importing XML file from the web TAG value can be complete URL or relative path when provisioning e.g. "http://192.168.3.1/gms/image.bin" or "/gms/image.bin"	• Importing config file of XML format via WEB GUI, ▪ If no TAG or TAG value blank, the ESBC does not update Firmware. ▪ Having to be of complete URL format, such as : http://server/path; or tftp://server/path • Importing config file via auto provisioning: ▪ If no TAG or TAG value blank, ESBC will not execute provisioning process. ▪ Legitimate formats: (either one of the following items applies) – Complete URL format, such as http://server/path or tftp://server/path – The firmware file relative path on the provisioning server.	1. If TAG value is the firmware file relative path on the provisioning server: a) If TAG PROVISIONING_METHOD=4(TFTP) or 5(DHCP), the ESBC applies TFTP to download firmware. b) If TAG PROVISIONING_METHOD= 1(SecHTTP), 2(HTTPS) or 3(HTTP), the ESBC applies HTTP to download firmware.

Basic Information

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
SERVICE_PROVIDER	String(length:0-64)	• If no TAG, the ESBC uses original	

	e.g. "InnoMedia" Company name of Service Provider	value • TAG value can be blank • Illegal characters are <>\'"=?#$%&| • Maximum input string length: 255 characters. Long string will be truncated • If input value invalid, the ESBC uses original value.	
SERVICE_PROVIDER_WEBSITE	String(length:0-64) Home page of Service Provider e.g. "http://www.innomedia.com"	• If no TAG, the ESBC uses original value • TAG value can be blank • Illegal characters are <>\'"=?#$%&| • Maximum input string length: 255 characters. Long string will be truncated • If input value invalid, the ESBC uses original value.	
SERVICE_PROVIDER_CONTACT	String(length:0-64) Service Provider Contact(email address)	• If no TAG, the ESBC uses original value • TAG value can be blank • Illegal characters are <>\'"=?#$%&| • Maximum input string length: 255 characters. Long string will be truncated • If input value invalid, the ESBC uses original value.	

System Capacity

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules

MAX_CONCURRENT_CALLS	Integer(1-60) maximum number of concurrent calls	• If no TAG or TAG value blank, the ESBC uses original value • If TAG value invalid, the ESBC applies the default value 60 to TAG value.	1. System capacity (concurrent calls) = min (LICENSE_STRING, MAX_CONCURRENT_CALLS) 2. System capacity of Trunk UAs = MAX_SIP_TRUNK
MAX_SIP_TRUNK	Integer(1-200) maximum number of SIP trunk lines	• If no TAG or TAG value blank, the ESBC uses original value • If TAG value invalid, the ESBC applies the default value 200. • If the current number of accounts configured on ESBC database is greater than this TAG value, the accounts which exceed this TAG value will be disabled.	
MAX_CONCURRENT_CALLS_SIP_ALG	Integer(1-200) HD: 1-1000 maximum number of concurrent calls	• If no TAG or TAG value blank, the ESBC uses original value • If TAG value invalid, the ESBC uses original value	
LICENSE_STRING	String	• If no TAG or TAG value blank, the ESBC uses original value. • Valid input value string: should be a legitimate license string issued from InnoMedia.If TAG value invalid, the ESBC uses original value.	

Provisioning Client

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
PROVISIONING_ENABLE	Integer(0/1) 0: Disable 1: Enable	• If no TAG or TAG value blank, the ESBC uses original value	1. When provisioning is enabled and METHOD is DHCP, TAG values of server and config_file can be blank. 2. When provisioning is enabled, and METHOD is SecHTTP, ▪ TAG value of server should not be
PROVISIONING_METHOD	Integer(1-5) 1: SecHTTP	• If no TAG or TAG value blank, the ESBC uses original value	

	2: HTTPS 3: HTTP 4: TFTP 5: DHCP		blank ▪ TAG value of config_file can be blank. If TAG server value is blank, the ESBC does not update database with TAG values of this section. 3. When provisioning is enabled, and METHOD is HTTPS/HTTP/TFTP, both TAG values of server and config_file should not be blank. If either TAG value of server or config_file is blank, the ESBC does not update database with TAG values of this section. 4. If any of the rules fails, the ESBC uses the original values of all TAGs of this section. 5. When PROVISIONING_ENABLE = 0, the ESBC ignores all other TAGs of this Section.
PROVISIONING_SERVER	String(length:1-40) support IPv6 address	• Valid input value may only contain letters, digits, "." , “:” and "-". • Maximum input string length: 40 characters. Long string will be truncated	
PROVISIONING_PORT	Integer(1-65535)	• If no TAG or TAG value blank, the ESBC uses original value.	
PROVISIONING_SERVER2	String(length:1-40) support IPv6 address	• Valid input value may only contain letters, digits, "." , “:” and "-". • Maximum input string length: 40 characters. Long string will be truncated	
PROVISIONING_PORT2	Integer(1-65535)	• If no TAG or TAG value blank, the ESBC uses original value.	
PROVISIONING_CONFIG_FILE	String(length:1-255)	• If no TAG or TAG value blank, the ESBC uses original value. • Valid input value may only contain letters, digits and the following characters ~ ! $ @ ^ ( ) _ } { [ ] . - / • Maximum input string length: 255 characters. Otherwise, it will be truncated.	
PROVISIONING_USERNAME	String(length:0-40)	• If no TAG, the ESBC uses original value. • TAG value can be blank • Illegal characters are <>\'"=?#$%&| • Maximum input string length: 40 characters. Otherwise, the string will be truncated.	
PROVISIONING_PASSWORD	String	• If no TAG, the ESBC uses original	

PROVISIONING_PASSWORD_ENCRYPTED	length of decryption password: 0-40	value. • TAG value can be blank • Illegal characters (after decryption): <>\'"=?#$%&| • TAG PROVISIONING_PASSWORD_ENCRYPED overrides PROVISIONING_PASSWORD, if both exist. • Maximum string length after decryption: 40 characters	
PROVISIONING_SCHED_RULE	String(length: 1-128) list of format "s,e,d" s: start hour(0-23) e: end hour(0-23) d: weekday(-2/-1/0~6/) -2: disable schedule -1: all days 0~6: the start weekday(Sunday~Saturday) e.g. "20,8,0" stand for "from 20:00 Sunday to 8:00 Monday"	• If no TAG or TAG value blank, the ESBC uses original value. • Using comma (,) to delimit parameters: start hour, end hour, weekday. • Valid input value ranges of "start hour" and "end hour" : 0-23. If input value invalid, the ESBC uses original value. • Valid input value of weekday: -2/-1/0~6. • -1: everyday • -2 disable schedule • 0-6: each weekday respectively.	

EMS Client

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
EMS_ENABLE	Integer(0/1) 0: Disable 1: Enable	• If no TAG or TAG value blank, the ESBC uses original value	1. When EMS_ENABLE = 0, the ESBC ignores all other TAGs of this Section. 2. When EMS_ENABLE = 1, the all other TAGs of this Section MUST be defined. 3. If any one of the rules fails, the ESBC uses
EMS_DEVICE_TYPE	Integer(0-254)	• If no TAG or TAG value blank, the ESBC uses original value.	

	The Device Type please refer to your EMS server settings to configure the EMS parameters on ESBC.		original values of TAGs of this Section.
EMS_SERVER	String(length:0-100) The address of the EMS Server 1, support IPv6 address	• If no TAG or TAG value blank, the ESBC uses original value. • TAG value can be blank • Maximum input string length: 100 characters. Long string will be truncated • Valid input value may only contain letters, digits, ".", ":" and "-".	
EMS_SERVER_PORT	Integer(1-65535)	• If no TAG or TAG value blank, the ESBC uses original value.	
EMS_SERVER_2	String(length:0-100) The address of the EMS Server 2, support IPv6 address	• If no TAG or TAG value blank, the ESBC uses original value. • TAG value can be blank • Maximum input string length: 100 characters. Long string will be truncated • Valid input value may only contain letters, digits, ".", ":" and "-".	
EMS_SERVER_PORT_2	Integer(1-65535)	• If no TAG or TAG value blank, the ESBC uses original value.	
EMS_LOCAL_PORT	Integer(1-65535)	• If no TAG or TAG value blank,, the ESBC uses original value	
EMS_REGION_ID	Integer(>=0)	• If no TAG or TAG value blank,, the ESBC uses original value.	
EMS_HEARTBEAT_TYPE	Integer(2/3) 2:V2 3:V3	• V2: Used for unencrypted data sent to EMS • V3: Used for encrypted data sent to EMS. Need to also configure the encryption key via EMS_PASSWORD Tag • If no TAG or TAG value blank,, the	

		ESBC uses original value.	
EMS_PASSWORD EMS_PASSWORD_ENCRYPTED	String(length:0-32, after decryption)	• This is the encryption key when using EMS Heartbeat type V3 with EMS • If no TAG, the ESBC uses original value. • TAG value can be blank. • Illegal characters (after decryption): <>\'"=?#$%&|Maximum input string length: 32 bytes.	
EMS_KEY_DERIVATION_FUNC	Integer(1/2) 1: InnoMedia 2: PBKDF2-sha1 The encryption key derivation function	• If no TAG or TAG value blank,, the ESBC uses original value.	

System Time

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
NTP_ENABLE	Integer(0/1) 0: Disable 1: Enable	• If no TAG or TAG value blank, the ESBC uses original value • If input value invalid, the ESBC uses original value.	1. When NTP_ENABLE = 0, the ESBC ignores all other TAGs of this Section. 2. When NTP_ENABLE = 1, the following TAGs of this Section MUST be defined: a) NTP_SERVER1 b) NTP_SYNC_INTERVAL 3. If any one of the rules fails, the ESBC uses original values of TAGs of this Section.
NTP_ZONE	Integer(0-74) ***** TIME ZONE ***** 0 "(GMT-12:00) International Date Line West", 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",	• If no TAG or TAG value blank, the ESBC uses original value • If input value invalid, the ESBC uses original value.	

	6 "(GMT-07:00) Chihuahua, La Paz, Mazatlan", 7 "(GMT-07:00) Mountain Time (US & Canada)", 8 "(GMT-06:00) Central America", 9 "(GMT-06:00) Central Time (US & Canada)", 10 "(GMT-06:00) Guadalajara, Mexico City, Monterrey", 11 "(GMT-06:00) Saskatchewan", 12 "(GMT-05:00) Bogota, Lima, Quito", 13 "(GMT-05:00) Eastern Time (US & Canada)", 14 "(GMT-05:00) Indiana (East)", 15 "(GMT-04:00) Atlantic Time (Canada)", 16 "(GMT-04:00) Caracas, La Paz", 17 "(GMT-04:00) Santiago", 18 "(GMT-03:30) Newfoundland", 19 "(GMT-03:00) Brasilia", 20 "(GMT-03:00) Buenos Aires, Georgetown", 21 "(GMT-03:00) Greenland", 22 "(GMT-02:00) Mid-Atlantic", 23 "(GMT-01:00) Azores", 24 "(GMT-01:00) Cape Verde Is.", 25 "(GMT) Casablanca, Monrovia", 26 "(GMT) Greenwich Mean Time: Dublin, Edinburgh, Lisbon, London", 27 "(GMT+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna", 28 "(GMT+01:00) Belgrade, Bratislava, Budapest, Ljubljana, Prague", 29 "(GMT+01:00) Brussels, Copenhagen, Madrid, Paris", 30 "(GMT+01:00) Sarajevo, Skopje, Warsaw, Zagreb", 31 "(GMT+01:00) West Central Africa", 32 "(GMT+02:00) Athens, Beirut,		

	Istanbul, Minsk", 33 "(GMT+02:00) Bucharest", 34 "(GMT+02:00) Cairo", 35 "(GMT+02:00) Harare, Pretoria", 36 "(GMT+02:00) Helsinki, Kyiv, Riga, Sofia, Tallinn, Vilnius", 37 "(GMT+02:00) Jerusalem", 38 "(GMT+03:00) Baghdad", 39 "(GMT+03:00) Kuwait, Riyadh", 40 "(GMT+03:00) Moscow, St. Petersburg, Volgograd", 41 "(GMT+03:00) Nairobi", 42 "(GMT+03:30) Tehran", 43 "(GMT+04:00) Abu Dhabi, Muscat", 44 "(GMT+04:00) Baku, Tbilisi, Yerevan", 45 "(GMT+04:30) Kabul", 46 "(GMT+05:00) Ekaterinburg", 47 "(GMT+05:00) Islamabad, Karachi, Tashkent", 48 "(GMT+05:30) Chennai, Kolkata, Mumbai, New Delhi", 49 "(GMT+05:45) Kathmandu", 50 "(GMT+06:00) Almaty, Novosibirsk", 51 "(GMT+06:00) Astana, Dhaka", 52 "(GMT+06:00) Sri Jayawardenepura", 53 "(GMT+06:30) Rangoon", 54 "(GMT+07:00) Bangkok, Hanoi, Jakarta", 55 "(GMT+07:00) Krasnoyarsk", 56 "(GMT+08:00) Beijing, Chongqing, Hong Kong, Urumqi", 57 "(GMT+08:00) Irkutsk, Ulaan Bataar", 58 "(GMT+08:00) Kuala Lumpur, Singapore", 59 "(GMT+08:00) Perth", 60 "(GMT+08:00) Taipei", 61 "(GMT+09:00) Osaka, Sapporo,		

	Tokyo", 62 "(GMT+09:00) Seoul", 63 "(GMT+09:00) Yakutsk", 64 "(GMT+09:30) Adelaide", 65 "(GMT+09:30) Darwin", 66 "(GMT+10:00) Brisbane", 67 "(GMT+10:00) Canberra, Melbourne, Sydney", 68 "(GMT+10:00) Guam, Port Moresby", 69 "(GMT+10:00) Hobart", 70 "(GMT+10:00) Vladivostok", 71 "(GMT+11:00) Magadan, Solomon Is., New Caledonia", 72 "(GMT+12:00) Auckland, Wellington", 73 "(GMT+12:00) Fiji, Kamchatka, Marshall Is.", 7 4 "(GMT+13:00) Nuku'alofa",		
NTP_SYNC_INTERVAL	Integer(1-24), in hour	• If no TAG or TAG value blank, the ESBC uses original value • If input value invalid, the ESBC uses original value.	
NTP_SERVER1	String(length:1-40) support IPv6 address	• If no TAG, the ESBC uses original value. • TAG value can be blank. • Valid input value may only contain letters, digits, ".", “:” and "-" • Maximum input string length: 40 characters. Otherwise it will be truncated.	
NTP_SERVER2	String(length:0-40), optional support IPv6 address	• If no TAG, the ESBC uses original value. • TAG value can be blank. • Valid input value may only contain letters, digits, ".", “:” and "-" • Maximum input string length: 40	

		characters. Otherwise it will be truncated.	
NTP_DST_ENABLE	Integer(0/1) 0: Disable 1: Enable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
NTP_DST_DAY_FIXED	Integer(0/1) 0: Moving Date 1: Fixed Date	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
NTP_DST_START_MON	Integer(1-12)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
NTP_DST_START_DAY	Integer(1-31)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
NTP_DST_START_WEEKDAY	Integer(0- 6) Sunday-Saturday	• Applicable to "Moving Date" mode • If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
NTP_DST_START_WEEKDAY_RANK	Integer(1-5) First-Fourth, 5:last specify the week of a month	• Applicable to "Moving Date" mode • If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
NTP_DST_START_HOUR	Integer(0-23), in hour	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	

NTP_DST_START_MIN	Integer(0-59), in minutes	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
NTP_DST_END_MON	Integer(1-12)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
NTP_DST_END_DAY	Integer(1-31)	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
NTP_DST_END_WEEKDAY	Integer(0- 6) Sunday-Saturday	• Applicable to "Moving Date" mode • If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
NTP_DST_END_WEEKDAY_RANK	Integer(1-5) First-Fourth, 5:last the week of a month	• Applicable to "Moving Date" mode • If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
NTP_DST_END_HOUR	Integer(0-23), in hour	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
NTP_DST_END_MIN	Integer(0-59), in minutes	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC uses original value.	
NTP_DST_OFFSET	Integer(0-120), in minutes	• If no TAG or TAG value blank, the ESBC uses original value.	

		• If input value invalid, the ESBC uses original value.	

Autobackup

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
AUTOBACKUP_ENABLE	Integer(0/1) 0: Disable 1: Enable	• If no TAG or TAG value blank, the ESBC uses original value	1. When AUTOBACKUP _ENABLE = 1, the following TAGs must be present. a) AUTOBACKUP_SERVER b) AUTOBACKUP_SERVER_PORT c) AUTOBACKUP_USERNAME 2. When AUTOBACKUP _ENABLE = 0, the ESBC ignores all other TAGs of this section. 3. If any one of the rules fails, the ESBC uses original values of TAGs of this Section.
AUTOBACKUP_SERVER	String(length:1-40) support IPv6 address	• If no TAG or TAG value blank, the ESBC uses original value. • Valid input value may only contain letters, digits, ".", ":" and "-"	
AUTOBACKUP_SERVER_PORT	Integer(1-65535)	• If no TAG or TAG value blank, the ESBC uses original value	
AUTOBACKUP_USERNAME	String(length:0-40)	• If no TAG, the ESBC uses original value. • TAG value can be blank. • Valid input value may only contain letters, digits and the following characters~ ! @ ^ ( ) _ } { [ ] . -	
AUTOBACKUP_PASSWORD AUTOBACKUP_PASSWORD_ENCRYPTED	String(length: 0-40, after decryption)	• If no TAG, the ESBC uses original value. • TAG value can be blank. • If both TAGs are available (encrypted, and non-encrypted), the encrypted overrides another. • Valid input value after decryption may only contain letters, digits and the following characters ~ ! @ ^ ( ) _ } { : [ ] . ; , - * $	
AUTOBACKUP_PATH	String(length:1-40) (please enter the path which already	• If no TAG or TAG value blank, the ESBC uses original value. • Valid input value may only contain	

	existed)	letters, digits and the following characters / ~ ! @ ^ ( ) _ } { [ ] . -	
AUTOBACKUP_FILENAME	String(length:0-40) (without an extension)	• If no TAG, the ESBC uses original value. • TAG value can be blank. • Valid input value may only contain letters, digits and the following characters ~ ! @ ^ ( ) _ } { : [ ] . ; , - *	
AUTOBACKUP_SCHEDULE	String(length:1-128) Format: “m,d,h” Every month: m=1,d=0-30,h=0-23 every week: m=0,d=0-6,h=0-23 every day: m=0,d=7,h=0-23	• If no TAG or TAG value blank, the ESBC uses original value. • Valid input value may only contain digits and the characters “,”	
AUTOBACKUP_RETRY_TIMES	Integer(>0)	• If no TAG or TAG value blank, the ESBC uses original value.	

Report Config

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
RESPOND_SIP_NOTIFY_EVENT	Integer(0/1) 0: Disable 1: Enable accept SIP NOTIFY event of reboot/report/resync	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC applies 0 to the TAG value.	1. When RESPOND_SIP_NOTIFY_EVENT = 0 or REPORT_CONFIG_ENABLE = 0, the ESBC ignores all other TAGs of this Section. 2. When defining REPORT_CONFIG_ENABLE = 1, the following TAGs must be present. a) REPORT_CONFIG_SERVER b) REPORT_CONFIG_SERVER_PORT c) REPORT_CONFIG_USERNAME EMS_LOCAL_PORT 3. If any one of rules fails, the ESBC uses original values of TAGs of this Section.
REPORT_CONFIG_ENABLE	Integer(0/1) 0: Disable 1: Enable	• If no TAG or TAG value blank, the ESBC uses original value	

	report XML configuration to the server when receiving NOTIFY		
REPORT_CONFIG_SERVER	String(length:1-40) support IPv6 address	• If no TAG or TAG value blank, the ESBC uses original value. • Valid input value may only contain letters, digits, ".", ":" and "-".	
REPORT_CONFIG_SERVER_PORT	Integer(1-65535)	• If no TAG or TAG value blank, the ESBC uses original value	
REPORT_CONFIG_USERNAME	String(length:1-40)	• If no TAG or TAG value blank, the ESBC uses original value. • Valid input value may only contain letters, digits, and the following characters ~ ! @ ^ ( ) _ } { [ ] . -	
REPORT_CONFIG_PASSWORD REPORT_CONFIG_PASSWORD_ENCRYPTED	String(length: 0-40, after decryption)	• If no TAG, the ESBC uses original value. • TAG value can be blank. • If both TAGs are available (encrypted, and non-encrypted), the encrypted one overrides the other. • Valid input value after decryption may only contain letters, digits and the following characters ~ ! @ ^ ( ) _ } { : [ ] . ; , - * $	
REPORT_CONFIG_PATH	String(length: 0-40) (please enter the path which already existed)	• If no TAG or TAG value blank, the ESBC uses original value. • Valid input value may only contain letters, digits and the following characters / ~ ! @ ^ ( ) _ } { [ ] . – •	
REPORT_CONFIG_RETRY_TIMES	Integer(1-99)	• If no TAG or TAG value blank, the ESBC uses original value.	

SNMP

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
SNMP_ENABLE	Integer(0/1) 0: Disable 1: Enable	• If no TAG or TAG value blank, the ESBC uses original value. • If input value invalid, the ESBC applies 0 to TAG value.	1. When SNMP_ENABLE = 0, the ESBC ignores all other TAGs of this Section. 2. If any one of the rules is fails, the ESBC uses original values of TAGs of this Section.
SNMP_SYSTEM_NAME	String(length:0-128)	• If no TAG, the ESBC uses original value. • TAG value can be blank. • Valid input value may only contain letters, digits, spaces and the following characters ~ ` ! @ ^ ( ) _ } { : [ ] . ; , - * # + $ / ? = • If input value invalid, the ESBC uses original value.	
SNMP_SYSTEM_LOCATION	String(length:0-128)	• If no TAG, the ESBC uses original value. • TAG value can be blank. • Valid input value may only contain letters, digits, spaces and the following characters ~ ` ! @ ^ ( ) _ } { : [ ] . ; , - * # + $ / ? = • If input value invalid, the ESBC uses original value.	
SNMP_SYSTEM_CONTACT	String(length:0-128)	• If no TAG, the ESBC uses original value. • TAG value can be blank. • Valid input value may only contain letters, digits, spaces and the following characters ~ ` ! @ ^ ( ) _ } { : [ ] . ; , - * # + $ / ? = • If input value invalid, the ESBC	

		uses original value.	
SNMP_READ_ONLY_COMMUNITY SNMP_READ_ONLY_COMMUNITY_ENCRYPTED	String(length: 0-128, after decryption)	• If no TAG, the ESBC uses original value. • TAG value can be blank. • TAG value "SNMP_READ_ONLY_COMMUNITY_ENCRYPTED" overrides "SNMP_READ_ONLY_COMMUNITY", if both TAGs are present. • After decryption, The valid input value may only contain letters, digits, spaces and the following characters ~ ` ! @ ^ ( ) _ } { : [ ] . ; , - * # + $ / ? = • If input value invalid, the ESBC uses original value.	
SNMP_READ_WRITE_COMMUNITY SNMP_READ_WRITE_COMMUNITY_ENCRYPTED	String(length: 0-128, after decryption)	• If no TAG, the ESBC uses original value. • TAG value can be blank. • TAG values "SNMP_READ_WRITE_COMMUNITY_ENCRYPTED" overrides "SNMP_READ_WRITE_COMMUNITY", if both TAGs are present. • After decryption, The valid input value may only contain letters, digits, spaces and the following characters ~ ` ! @ ^ ( ) _ } { : [ ] . ; , - * # + $ / ? = • If input value invalid, the ESBC uses original value.	
SNMP_TRAP_HOST_IP	String(length:0-128) IP address or FQDN, support IPv6 address	• If no TAG, the ESBC uses original value. • TAG value can be blank. • Valid input value may only contain letters, digits, ".", ":" and "-".	

SNMP_TRAP_ COMMUNITY SNMP_TRAP_ COMMUNITY_ENCRPTED	String(length:0-128, after decryption)	• If no TAG, the ESBC uses original value. • TAG value can be blank. • TAG value "SNMP_TRAP_ COMMUNITY_ENCRPTED" overrides "SNMP_TRAP_ COMMUNITY", if both TAGs are present. • After decryption, The valid input value may only contain letters, digits, spaces and the following characters ~ ` ! @ ^ ( ) _ } { : [ ] . ; , - * # + $ / ? = • If input value invalid, the ESBC uses original value.	
SNMP_TRAP_HOST_IP2	String(length:0-128) IP address or FQDN, support IPv6 address	• If no TAG, the ESBC uses original value. • TAG value can be blank. • Valid input value may only contain letters, digits, ".", ":" and "-".	
SNMP_TRAP_COMMUNITY2 SNMP_TRAP_COMMUNITY2_ENCRPTED	String(length:0-128, after decryption)	• If no TAG, the ESBC uses original value. • TAG value can be blank. • TAG value "SNMP_TRAP_ COMMUNITY_ENCRPTED" overrides "SNMP_TRAP_ COMMUNITY", if both TAGs are present. • After decryption, The valid input value may only contain letters, digits, spaces and the following characters ~ ` ! @ ^ ( ) _ } { : [ ] . ; , - * # + $ / ? = • If input value invalid, the ESBC uses original value.	
SNMP_V3_ENABLE	Integer(0/1)	• If no TAG or TAG value blank, the	1. When SNMP_V3_ENABLE = 0, the ESBC

	0: Disable 1: Enable	ESBC uses original value • If input value invalid, the ESBC applies 0 to TAG value.	ignores all other TAGs of this Section. 2. When SNMP_V3_ENABLE = 1 and SNMP_V3_USER_NAME_1 is blank, the ESBC empty all SNMP_V3 accounts. 3. When SNMP_V3_ENABLE = 1, the following logic apply. a) SNMP_V3_USER_NAME_1 is a MUST TAG 4. When a TAG SNMP_V3_USER_NAME_V is valid, the following logic apply. a) SNMP_V3_AUTH_PASSWORD_ENCRYPTED_V is a MUST TAG. b) SNMP_V3_PRIV_PASSWORD_ENCRYPTED_V is a MUST TAG. c) If SNMP_V3_USER_ACCESS_V is not present or value blank. Then set "0" by default. d) If SNMP_V3_SECURITY_LEVEL_V is not present or value blank. Then set "2" by default. e) If SNMP_V3_AUTH_PROTOCOL_V is not present or value blank. Then set "0" by default. f) If SNMP_V3_PRIV_PROTOCOL_V is not present or value blank. Then set "0" by default. 5. When a TAG SNMP_V3_USER_NAME_V is not present or value blank, the ESBC empty the SNMP V3 accounts. 1. If any one of the rules is fails, the ESBC uses original values of TAGs of this Section.
SNMP_V3_USER_NAME_**V**	String(length:1-32) SNMPv3 User Name for Index **V**	• Valid input value may only contain letters, digits, spaces and the following characters , ; . :_-	
SNMP_V3_USER_ACCESS_**V**	Integer(0/1) 0: Read-Only 1: Read-Write SNMPv3 User Access Mode for Index **V**		
SNMP_V3_SECURITY_LEVEL_**V**	Integer(0-2) 0: No Auth/No Priv. 1: Auth./No Priv. 2: Auth./Priv. SNMPv3 Security Mode for Index V		
SNMP_V3_AUTH_PROTOCOL_**V**	Integer(0-1) 0: MD5 1: SHA SNMPv3 Authentication Protocol for Index **V**		
SNMP_V3_AUTH_PASSWORD_**V** SNMP_V3_AUTH_PASSWORD_ENCRYPTED_**V**	String(length: 8-40, after decryption) SNMPv3 Authentication Password for Index **V**	• TAG value "SNMP_V3_AUTH_PASSWORD_ENCRYPED_V" overrides "SNMP_V3_AUTH_PASSWORD_V, " if both TAGs are present. • After decryption, The valid input value may only contain letters, digits and the following characters ~ ! @ ^ ( ) _ } { : [ ] . ; , - *	
SNMP_V3_PRIV_PROTOCOL_**V**	Integer(0-1) 0: DES 1: AES		

	SNMPv3 Privacy Protocol for Index **V**		
SNMP_V3_PRIV_PASSWORD_**V** SNMP_V3_PRIV_PASSWORD_ENCRYPTED_**V**	String(length: 8-40, after decryption) SNMPv3 Privacy Password for Index **V**	• TAG value "SNMP_V3_PRIV_PASSWORD_ENCRYPED_V" overrides "SNMP_V3_PRIV_PASSWORD_V," if both TAGs are present. • After decryption, The valid input value may only contain letters, digits and the following characters ~ ! @ ^ ( ) _ } { : [ ] . ; , - *	

Alert and Notification

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
TRAP_ALARM_SNMP_VERSION	String (v1/v2)	• Input value case insensitive • If no TAG or TAG value blank, the ESBC uses original value.	1. When TRAP_ALARM_ENABLE = 0, the ESBC ignores all other TAGs of the TRAP Section 2. When EMAIL_NOTIFICATION_ENABLE = 0, the ESBC ignores all other TAGs of the EMAIL Section. 3. If any one of the rules fails, the ESBC uses original values of TAGs of this Section. 4. The following TAGs DO NOT apply to HD-Platform ESBC models. a) TRAP_BATTERY_STATU b) TRAP_PRI_ALARM c) EMAIL_PRI_ALARM 5. The following TAGs ONLY apply to HD-Platform ESBC models. a) TRAP_FAN_FAILURE b) ALARM_LED_ENABLE
TRAP_ALARM_ENABLE TRAP_POOR_VOICE_QUALITY TRAP_SIP_REGISTRATION_FAILURE TRAP_INTERFACE_WAN_REDUNDANCY_SWITCH_OVER TRAP_INTERFACE_WAN_PHYSICAL_LINK_DOWN_UP TRAP_INTERFACE_LAN_PHYSICAL_LINK_DOWN TRAP_SNTP_UNSYNCHRONIZED TRAP_FAILED_LOGIN_ATTEMPTS TRAP_BATTERY_STATUS TRAP_PRI_ALARM TRAP_EMERGENCY_CALL TRAP_PROVISIONING_FAILURE_SUCCESS TRAP_CONCURRENT_CALL_REACH_MAXIMUM	Integer(0/1) 0: Disable 1: Enable	• If no TAG or TAG value blank, the ESBC uses original value.	

TRAP_OPERATIONAL_STATE TRAP_SNTP_UNSYNCHRONIZED TRAP_FAN_FAILURE ALARM_LED_ENABLE			
TRAP_INTERFACE_WAN_REDUNDANCY_SWITCH_OVER_PERIOD	Integer(0-999999)	• If no TAG or TAG value blank, the ESBC uses original value.	
TRAP_FAILED_LOGIN_ATTEMPTS_THRESHOLD	Integer(1-99)	• If no TAG or TAG value blank, the ESBC uses original value.	
TRAP_SIP_REGISTRATION_FAILURE_COMPONENT TRAP_CONCURRENT_CALL_REACH_MAXIMUM_COMPONENT	String(b2bua,sipalg/b2bua/sipalg)	• If no TAG or TAG value blank, the ESBC uses original value. • Input value case insensitive	
TRAP_CPU_UTIL_OVER_THRES	Integer(0/1) 0: Disable 1: Enable	• If no TAG or TAG value blank, the ESBC uses original value.	
TRAP_CPU_UTIL_THRES_VAL	Integer(1-99)	• If no TAG or TAG value blank, the ESBC uses original value.	
TRAP_CPU_UTIL_THRES_CLEAR_VAL	Integer(1-99)	• If no TAG or TAG value blank, the ESBC uses original value.	
TRAP_MEM_UTIL_OVER_THRES	Integer(0/1) 0: Disable 1: Enable	• If no TAG or TAG value blank, the ESBC uses original value.	
TRAP_MEM_UTIL_THRES_VAL	Integer(1-99)	• If no TAG or TAG value blank, the ESBC uses original value.	
TRAP_MEM_UTIL_THRES_CLEAR_VAL	Integer(1-99)	• If no TAG or TAG value blank, the ESBC uses original value.	
TRAP_DISK_SPACE_UTIL_OVER_THRES	Integer(0/1) 0: Disable 1: Enable	• If no TAG or TAG value blank, the ESBC uses original value.	
TRAP_DISK_SPACE_UTIL_THRES_VAL	Integer(1-99)	• If no TAG or TAG value blank, the ESBC uses original value.	
TRAP_DISK_SPACE_UTIL_THRES_CLEAR_VAL	Integer(1-99)	• If no TAG or TAG value blank, the ESBC uses original value.	
TRAP_DSP_UTIL_OVER_THRES	Integer(0/1)	• If no TAG or TAG value blank, the	

	0: Disable 1: Enable	ESBC uses original value.	
TRAP_DSP_UTIL_THRES_VAL	Integer(1-99)	• If no TAG or TAG value blank, the ESBC uses original value.	
TRAP_DSP_UTIL_THRES_CLEAR_VAL	Integer(1-99)	• If no TAG or TAG value blank, the ESBC uses original value.	
TRAP_CALL_SUCCESS_RATE_BELOW_THRES	Integer(0/1) 0: Disable 1: Enable	• If no TAG or TAG value blank, the ESBC uses original value.	
TRAP_CALL_SUCCESS_RATE_THRES_VAL_CALLS	Integer(100-1000)	• If no TAG or TAG value blank, the ESBC uses original value.	
TRAP_CALL_SUCCESS_RATE_THRES_VAL_PERCENT	Integer(1-99)	• If no TAG or TAG value blank, the ESBC uses original value.	
TRAP_ON_BOARD_TEMPERATURE_OVER_THRES	Integer(0/1) 0: Disable 1: Enable	• If no TAG or TAG value blank, the ESBC uses original value.	
TRAP_ON_BOARD_TEMPERATURE_THRES_VAL	Integer(1-99)	• If no TAG or TAG value blank, the ESBC uses original value.	
TRAP_ON_BOARD_TEMPERATURE_THRES_CLEAR_VAL	Integer(1-99)	• If no TAG or TAG value blank, the ESBC uses original value.	
EMAIL_NOTIFICATION_ENABLE EMAIL_SIP_REGISTRATION_FAILURE EMAIL_PRI_ALARM EMAIL_EMERGENCY_CALL EMAIL_CONCURRENT_CALL_REACH_MAXIMUM	Integer(0/1) 0: Disable 1: Enable	• If no TAG or TAG value blank, the ESBC uses original value	
EMAIL_SIP_REGISTRATION_FAILURE_COMPONENT EMAIL_CONCURRENT_CALL_REACH_MAXIMUM_COMPONENT	String(b2bua,sipalg/b2bua/sipalg)	• If no TAG or TAG value blank, the ESBC uses original value. • Input value case insensitive	

Monitor

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules

MONITOR_CPU_UTIL_HISTORY_ENABLE	Integer(0/1) 0: Disable 1: Enable	• If no TAG or TAG value blank, the ESBC uses original value	

System Access Control

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
WAN_SSH_ENABLE	Integer(0/1) 0: Disable 1: Enable	• If no TAG or TAG value blank, the ESBC uses original value	1. If any one of the rules fails, the ESBC uses original values of TAGs of this section.
SSH_TIMEOUT	Integer(5-60), minute The unit is minute	• If no TAG or TAG value blank, the ESBC uses original value	
WEB_ONLY_HTTPS_VIA_WAN	Integer(0/1) 0: Disable 1: Enable	• If no TAG or TAG value blank, the ESBC uses original value	
WEB_HTTPD_OPEN_PORT_VIA_WAN	Integer(1-65535)	• If no TAG or TAG value blank, the ESBC uses original value	
WEB_RECORDS_PER_PAGE	Integer (10-50)	• If no TAG or TAG value blank, the ESBC uses original value.	
WEB_AUTO_REFRESH_INTERVAL	Integer (3/5/10/30/60/120/180), minute	• If no TAG or TAG value blank, the ESBC uses original value.	
WEB_AUTO_LOGOUT_DURATION	Integer (5-60), minute	• If no TAG or TAG value blank, the ESBC uses original value.	
WEB_ACCESS_VIA_WAN_INTERFACE_ENABLE	Integer (0/1) 0: Disabled 1: Enabled	• If no TAG or TAG value blank, the ESBC uses original value.	
SYSTEM_ACL_ENABLED	Integer (0/1) 0: Disabled 1: Enabled	• If no TAG or TAG value blank, the ESBC uses original value	2. X: 250 3. When SYSTEM_ACL_ENABLED = 0, the ESBC ignores all other TAGs of this Section. 4. When defining SYSTEM_ACL_ENABLED = 1, the following TAG must be present. a) SYSTEM_ACL_1 5. If any one of rules fails, the ESBC uses original values of TAGs of this Section.
SYSTEM_ACL_X	String(length: 0-128) **Format:** Interface/Protocol/Source_IP/Source_	• If leaving "SYSTEM_ACL_1" blank, ESBC will delete all System ACL entries	

	Mask/Host_Starting_Port/ Host_Ending_Port/Action Interface: “lan”, “wan”, “wan_backup” or WAN multiple interfaces name Protocol: tcp, udp, tcp+udp Action: permit, deny, drop **For examples:** SYSTEM_ACL_1 = lan/tcp/192.168.1.1/255.255.0.0/1/65535/permit SYSTEM_ACL_2 = wan/udp/10.20.30.1/28/100/200/deny SYSTEM_ACL2 = management/udp/10.20.30.1/28/100/200/deny		
SYSTEM_IPV6_ACL_ENABLED	Integer (0/1) 0: Disabled 1: Enabled	• If no TAG or TAG value blank, the ESBC uses original value	6. X: 250 7. When SYSTEM_IPV6_ACL_ENABLED = 0, the ESBC ignores all other TAGs of this Section. 8. When defining SYSTEM_IPV6_ACL_ENABLED = 1, the following TAG must be present. b) SYSTEM_IPV6_ACL_1 9. If any one of rules fails, the ESBC uses original values of TAGs of this Section.
SYSTEM_IPV6_ACL_X	String(length: 0-128) **Format:** Interface/Protocol/Source_IP/Source_Mask/Host_Starting_Port/ Host_Ending_Port/Action Interface: “wan” Protocol: tcp, udp, tcp+udp Action: permit, deny, drop **For examples:** SYSTEM_IPV6_ACL_1 = wan/udp/2001::1/64/100/200/deny	• If leaving “SYSTEM_IPV6_ACL_1” blank, ESBC will delete all System ACL entries	

User Management

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
SYSTEM_ADMIN_ACCOUNT_USER_ID_X	String(length:1-40) Administrator user ID, there must be a account whose user id is “admin”	• If there is no TAG or TAG value is blank, the ESBC ignores TAGs for this account. Valid input values may only contain letters, digits and the following characters ~ ! @ ^ ( ) _ } { : [ ] . ; , - *	1. X: 1-10 2. If the TAG value “SYSTEM_ADMIN_ACCOUNT_USER_ID_X ” is duplicate with any previously defined user ID, then the ESBC ignores this account settings. 3. If all the SYSTEM_ADMIN_ACCOUNT_USER_ID_X TAG values for all accounts are blank, then ESBC treats all TAG values for all accounts Illegal and does not update the settings. 4. User ID “admin” should be created. If no TAG is defined for this account, the ESBC creates an “admin” user account by default. 5. Maximum account numbers: 10. If there are more than 10 accounts being created, the ESBC ignores the latter defined which are not “admin” user. 6. Associated TAG values for user “admin” must be – SYSTEM_ADMIN_ACCOUNT_USER_TYPE_X = 0 (Admin) – SYSTEM_ADMIN_ACCOUNT_READONLY_X = 0 (Read/Write) Or the ESBC overwrites TAG values with default values (0,0), respectively. 7. If any one of the rules fails, the ESBC uses original values of TAGs of this Section. 8. User IDs (SYSTEM_ADMIN_ACCOUNT_USER_ID_X) defined in the config file are the IDs eventually used to login to the system after importing successfully. Old IDs will be removed. 9. NOTE: Passwords are in plain text from on the ESBC, but when XML file is
SYSTEM_ADMIN_ACCOUNT_PASSWORD_X SYSTEM_ADMIN_ACCOUNT_PASSWORD_ENCRYPTED_X	String length of decrypted password: 1-40 a) Recommend to use only encrypted passwords or only plain passwords b) If both encrypted passwords and plain passwords coexist , then ESBC will only use encrypted passwords	• TAG value “SYSTEM_ADMIN_ACCOUNT_PASSWORD_ENCRYPTED_X” overrides “SYSTEM_ADMIN_ACCOUNT_PASSWORD_X,” if both TAGs are present. After decryption, the valid input values may only contain letters, digits and the following characters ~ ! @ ^ ( ) _ } { : [ ] . ; , - *	
SYSTEM_ADMIN_ACCOUNT_FULL_NAME_X	String(length: 0-40)	• If no TAG, the ESBC applies blank to TAG values. • TAG value can be blank. Valid input value may only contain letters, digits and the following characters ~ ! @ ^ ( ) _ } { : [ ] . ; , - *	
SYSTEM_ADMIN_ACCOUNT_CONTACT_INFO_X	String(length: 0-40)	• If no TAG, the ESBC applies blank to TAG values. • TAG value can be blank. Valid input value may only contain letters, digits and the following characters ~ ! @ ^ ( ) _ } { : [ ] . ; , - *	
SYSTEM_ADMIN_ACCOUNT_USER_TYPE_X	Integer(0-2) 0: Admin 1: Technician 2: Operator(Customer)		
SYSTEM_ADMIN_ACCOUNT_READONL	Integer(0/1)	Please note that the ‘read only’ and ‘partial write’ admin profiles are only	

Y_X	0: Read/Write 1: Read only 2: Partial Write(Customer)	available for certain customer IDs.	exported, it will be in encypted form (for security reasons) with the tag: SYSTEM_ADMIN_ACCOUNT_PASSWORD_ENCRYPTED_X. An import of this encrypted tag and its value will be accepted by the ESBC. However, creating a new encrypted password for this tag is not acceptable.
SYSTEM_ADMIN_ACCOUNT_ACCESS_CONTROL_X	Integer(0-2) 0: LAN/WAN 1: LAN 2: WAN		
TACACS+			
TACACS_PLUS_ENABLE	Integer (0/1) 0: Disabled 1: Enabled	• If no TAG or TAG value blank, the ESBC uses original value.	
TACACS_PLUS_SERVER	String(length: 1-64) IP address or FQDN, support IPv6 address	• If no TAG, the ESBC uses original value. • TAG value can not be blank when enabled. • Valid input value may only contain letters, digits, "." and "-" • Maximum input string length: 64 characters	
TACACS_PLUS_SHARED_SECRET_ENCRYPTED	String(length: 1-512)	• If no TAG, the ESBC uses original value. • Valid input value may only contain letters, digits and the following characters ~ ! @ ^ ( ) _ } { : [ ] . ; , - * • Maximum input string length: 512 characters	
TACACS_PLUS_TIMEOUT	Integer(1-100), second	• If no TAG or TAG value blank, the ESBC uses original value.	
TACACS_PLUS_AUTH_MODE	Integer(1/2/3) 1: ASCII 2: PAP	• If no TAG or TAG value blank, the ESBC uses original value.	

	3: CHAP		

Syslog

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
SYSLOG_OPERATION_TARGET	String(length:1-256) none: disable operation syslog IP address or FQDN: enable operation syslog and syslog server is allowed three targets at most. Support ipv6 address e.g. “11.11.11.11, 22.22.22.22, 33.33.33.33”	• If no TAG or TAG value blank, the ESBC uses original value. • The ESBC ignores space characters contained in TAG value. • When TAG value is “none”, the ESBC disables operation syslog. • When TAG value is a legitimate IP address, the ESBC enables operation syslog and applies the TAG value as syslog server IP address. • If input value invalid, the ESBC uses original value.	

Schedule Reboot

Provisioning TAG	Available Values/Examples	TAG Usage Rules	Section TAG Usage Rules
SYSTEM_SCHED_REBOOT_RULE	String(length: 1-128) Format : "weekday,start-time,end-time" weekday:(-1:disable/0:everyday/1-7:Monday-Sunday) start-time(0-23) 0:00-23:00 end-time: (0-23) 0:00-23:00 e.g. "1,20,21" means "perform reboot once during 20:00,Monday to 21:00,Monday"	• If no TAG or TAG value blank, the ESBC uses original value. • Using comma (,) to delimit parameters • End-time must exceed 1 hour than start-time.	Note that the start-time and end-time should be configured as two consecutive numbers. The ESBC may reboot within this specified one hour.

4. Change Log

Item	Related Tag/Section	Description	Version Change/Date
1	TRUNK_SIP_PROFILE_ID_X/ Trunk SIP Profile -- Multiple	Add a usage rule: Each trunk sip profile configuration needs to start with this tag: **TRUNK_SIP_PROFILE_ID_X**.	2-0-14-0-Build1 / March 7 2016
2	SYSTEM_SCHED_REBOOT_RULE	Added comment: Note that the start-time and end-time should be configured as two consecutive numbers. The ESBC may reboot within this specified one hour.	2-0-15-0-Preview 2 /May 13 2016
3	User Management SYSTEM_ADMIN_ACCOUNT_READONLY_X	Added comment: Please note the 'read only' and 'partial write' admin profiles are only available for certain customer IDs.	2-0-15-12
4	B2BUA_SHMR_LAN_INCOMING_URI B2BUA_SHMR_LAN_OUTGOING_URI B2BUA_SHMR_WAN_INCOMING_URI B2BUA_SHMR_WAN_OUTGOING_URI SIP_ALG_SHMR_LAN_INCOMING_URI SIP_ALG_SHMR_LAN_OUTGOING_URI SIP_ALG_SHMR_WAN_INCOMING_URI IP_ALG_SHMR_WAN_OUTGOING_URI	SHMR rule: tag name corrections	August 25, 2018