Cisco BroadWorks

BroadSoft Partner Configuration Guide

Yealink W60B IP DECT Phone

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Notification

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Document Revision History

Version	Reason for Change
1.1	Introduced document for Yealink W60B IP DECT Phone version 77.81.0.10 validation with BroadWorks Release 22.0.
1.2	Edited and published document.
1.3	Added new handset T41S/T42S with DD10K for W60B.
1.4	Edited changes and published document.
1.5	Updated document for Yealink W60B IP DECT Phone version 77.83.0.10 validation with BroadWorks Release 22.0.
1.6	Edited changes and published document.
1.7	Added new handset CP930W for W60B.
1.8	Edited changes and published document.
1.9	Updated document to reflect the proper SIP and XSI supported capability.
1.10	Edited changes and published document.

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1 Overview

This guide describes the configuration procedures required for the Yealink W60B IP DECT Phone for interoperability with BroadWorks.

The W60B is an IP DECT Phone that uses the Session Initiation Protocol (SIP) to communicate with BroadWorks for call control.

The handsets list supported by the W60B:

- W56H
- W53H
- W52H
- T41S with DD10K
- T42S with DD10K
- CP930W

This guide describes the specific configuration items that are important for use with BroadWorks. It does not describe the purpose and use of all configuration items on the W60B IP DECT Phone. For those details, see the *Yealink W60B IP DECT Phone User Guide* [1] supplied by Yealink.

2 Interoperability Status

This section provides the known interoperability status of the Yealink W60B IP DECT PHONE with BroadWorks. This includes the version(s) tested, capabilities supported and known issues.

Interoperability testing validates that the device interfaces properly with BroadWorks via the SIP interface. Qualitative aspects of the device or device capabilities not affecting the SIP interface such as display features, performance, and audio qualities are not covered by interoperability testing. Requests for information and/or issues regarding these aspects should be directed to Yealink.

2.1 Verified Versions

The following table identifies the verified Yealink W60B IP DECT PHONE and BroadWorks versions and the month/year the testing occurred. If the device has undergone more than one test cycle, versions for each test cycle are listed, with the most recent listed first.

Compatible Versions in the following table identify specific W60B IP DECT PHONE versions which the partner has identified as compatible and should interface properly with BroadWorks. Generally, maintenance releases of the validated version are considered compatible and are not specifically listed here. For any questions concerning maintenance and compatible releases, contact Yealink.

NOTE: Interoperability testing is usually performed with the latest generally available (GA) device firmware/software and the latest GA BroadWorks release and service pack at the time the testing occurs. If there is a need to use a non-verified mix of BroadWorks and device software versions, customers can mitigate their risk by self-testing the combination themselves using the *BroadWorks SIP Phone Interoperability Test Plan*.

Verified Versions			
Date (mm/yyyy)	**BroadWorks Release**	**W60B IP DECT PHONE Verified Version**	**W60B IP DECT PHONE Compatible Versions**
05/2019	Release 22.0	Base: 77.83.0.20 W56H: 61.83.0.10 W53H: 88.83.0.10 W52H: 26.81.0.40 T41S/T42S: 66.84.0.10 CP930W：87.83.0.25 DD10K: 79.0.0.35	None.
11/2018	Release 22.0	Base: 77.83.0.10 W56H: 61.83.0.10 W53H: 88.83.0.10 W52H: 26.81.0.40 T41S/T42S: 66.84.0.10 DD10K: 79.0.0.35	None.

Verified Versions			
Date (mm/yyyy)	**BroadWorks Release**	**W60B IP DECT PHONE Verified Version**	**W60B IP DECT PHONE Compatible Versions**
04/2018	Release 22.0	Base: 77.81.0.35 W52H: 26.81.0.40 W56H: 61.81.0.40 T41S/T42S: 66.82.0.35 DD10K: 79.0.0.35	None.
10/2017	Release 22.0	Base: 77.81.0.10 Handset: 61.81.0.30	None.

2.2 Interface Capabilities Supported

This section identifies interface capabilities that have been verified through testing as supported by Yealink W60B IP DECT PHONE.

The *Supported* column in the tables in this section identifies the Yealink W60B IP DECT PHONE's support for each of the items covered in the test plan, with the following designations:

- Yes Test item is supported
- No Test item is not supported
- NA Test item is not applicable to the device type
- NT Test item was not tested

Caveats and clarifications are identified in the *Comments* column.

2.2.1 SIP Interface Capabilities

The Yealink W60B IP DECT PHONE has completed interoperability testing with BroadWorks using the *BroadWorks SIP Phone Interoperability Test Plan* [5]. The results are summarized in the following table.

The BroadWorks test plan is composed of packages, each covering distinct interoperability areas, such as "Basic" call scenarios and "Redundancy" scenarios. Each package is composed of one or more test items, which in turn are composed of one or more test cases. The test plan exercises the SIP interface between the device and BroadWorks with the intent to ensure interoperability sufficient to support the BroadWorks feature set.

NOTE: *DUT* in the following table refers to the *Device Under Test*, which in this case is the Yealink W60B IP DECT PHONE.

BroadWorks SIP Phone Interoperability Test Plan Support Table			
Test Plan Package	**Test Plan Package Items**	**Supported**	**Comments**
Basic	Call Origination	Yes	
	Call Termination	Yes	
	Session Audit	Yes	

BroadWorks SIP Phone Interoperability Test Plan Support Table			
Test Plan Package	**Test Plan Package Items**	**Supported**	**Comments**
	Session Timer	Yes	
	Ringback	Yes	
	Forked Dialog	Yes	
	181 Call Being Forwarded	Yes	
	Dial Plan	Yes	
	DTMF – Inband	Yes	
	DTMF – RFC 2833	Yes	
	DTMF – DTMF Relay	Yes	
	Codec Negotiation	Yes	
	Codec Renegotiation	Yes	
BroadWorks Services	Third-Party Call Control – Basic	Yes	
	Third-Party Call Control – Advanced	No	
	Voice Message Deposit/Retrieval	Yes	
	Message Waiting Indicator	Yes	Except saved and urgent message information.
	Voice Portal Outcall	Yes	
	Advanced Alerting – Ringing	No	
	Advanced Alerting – Call Waiting	No	
	Advanced Alerting – Ring Splash	Yes	
	Advanced Alerting – Silent Alerting	Yes	
	Calling Line ID	Yes	
	Calling Line ID with Unicode Characters	Yes	
	Connected Line ID	Yes	
	Connected Line ID with Unicode Characters	Yes	
	Connected Line ID on UPDATE	Yes	
	Connected Line ID on Re-INVITE	Yes	
	Diversion Header	Yes	
	History-Info Header	Yes	
	Advice of Charge	No	
	Meet-Me Conferencing	Yes	
	Meet-Me Conferencing – G722	Yes	
	Meet-Me Conferencing – AMR-WB	No	
	Meet-Me Conference – Opus	Yes	
	Collaborate – Audio	Yes	

BroadWorks SIP Phone Interoperability Test Plan Support Table			
Test Plan Package	**Test Plan Package Items**	**Supported**	**Comments**
	Collaborate – Audio – G722	Yes	
	Collaborate – Audio – Opus	Yes	
	Call Decline Policy	Yes	
DUT Services – Call Control Services	Call Waiting	Yes	
	Call Hold	Yes	
	Call Transfer	Yes	
	Three-Way Calling	Yes	Before answer scenario is not supported.
	Network-Based Conference	Yes	
DUT Services – Registration and Authentication	Register Authentication	Yes	
	Maximum Registration	Yes	
	Minimum Registration	Yes	
	Invite Authentication	Yes	
	Re-Invite/Update Authentication	Yes	
	Refer Authentication	Yes	
	Device Authenticating BroadWorks	Yes	
DUT Services – Emergency Call	Emergency Call	No	
	Emergency Call with Ringback	No	
DUT Services – P-Access-Network-Info	REGISTER with P-Access-Network-Info Header	Yes	
	INVITE with P-Access-Network-Info Header	Yes	
DUT Services – Miscellaneous	Do Not Disturb	Yes	
	Call Forwarding Always	Yes	
	Call Forwarding Always Diversion Inhibitor	Yes	
	Anonymous Call	Yes	
	Anonymous Call Block	Yes	
	Remote Restart Via Notify	Yes	check-sync.
Advanced Phone Services – Busy Lamp Field	Busy Lamp Field	No	
	Call Park Notification	No	
Advanced Phone Services – Feature Key Synchronization, Private Line	Do Not Disturb	Yes	
	Do Not Disturb Ring Splash	Yes	
	Call Forwarding	Yes	
	Call Forwarding Always Ring Splash	Yes	
	Call Forwarding Always Diversion Inhibitor	Yes	

BroadWorks SIP Phone Interoperability Test Plan Support Table			
Test Plan Package	**Test Plan Package Items**	**Supported**	**Comments**
	Call Center Agent Logon/Logoff	No	
	Call Center Agent Unavailable Code	No	
	Executive – Call Filtering	No	
	Executive-Assistant – Call Filtering	No	
	Executive-Assistant – Diversion	No	
	Call Recording	No	
	Security Classification	No	
Advanced Phone Services – Feature Key Synchronization, Shared Line	Do Not Disturb	Yes	
	Do Not Disturb Ring Splash	Yes	
	Call Forwarding	Yes	
	Call Forwarding Always Ring Splash	Yes	
	Call Forwarding Always Diversion Inhibitor	Yes	
	Security Classification	No	
Advanced Phone Services – Missed Calls Display Synchronization	Missed Calls Display Sync	Yes	
Advanced Phone Services – Shared Call Appearance using Call Info	Line-Seize	No	
	Call-Info/Lamp Management	Yes	
	Public Hold	Yes	
	Private Hold	Yes	
	Hybrid Key System	No	
	Multiple Call Arrangement	Yes	
	Bridge Active Line	Yes	
	Bridge Active Line – Silent Monitor	No	
	Call Park Notification	Yes	
Advanced Phone Services – Call Park Notification	Call Park Notification	Yes	
Advanced Phone Services – Call Center	Hold Reminder	No	
	Call Information	No	
	Hoteling Event	No	
	Status Event	No	
	Disposition Code	No	
	Emergency Escalation	No	
	Customer Originated Trace	No	
	Pause/Resume	No	

BroadWorks SIP Phone Interoperability Test Plan Support Table			
Test Plan Package	**Test Plan Package Items**	**Supported**	**Comments**
Advanced Phone Services – Call Recording Controls	Start/Stop	No	
	Record Local Conference	No	
	Record Network Conference	No	
Advanced Phone Services – Call Recording Video	Basic Call	No	
	Record Local Conference	No	
	Record Network Conference	No	
Advanced Phone Services – Security Classification	Security Classification	No	
Advanced Phone Services – Conference Event	Network-Based Conference Creator	No	
	Network-Based Conference Participant	No	
	Meet-Me Conference Participant	No	
Redundancy	DNS SRV Lookup	Yes	
	Register Failover/Failback	Yes	
	Invite Failover/Failback	Yes	
	Bye Failover	Yes	
SBC/ALG – Basic	Register	Yes	
	Outgoing Invite	Yes	
	Incoming Invite	Yes	
SBC/ALG – Failover/Failback	Register Failover/Failback	Yes	
	Invite Failover/Failback	Yes	
Video – Basic Video Calls	Call Origination	NA	
	Call Termination	NA	
	Call Hold	NA	
	Call Waiting	NA	
	Call Transfer	NA	
Video – BroadWorks Video Services	Auto Attendant	NA	
	Auto Attendant – HD	NA	
	Voice Messaging	NA	
	Voice Messaging – HD	NA	
	Custom Ringback	NA	
Video – BroadWorks Video Conference	Network-based Conference	NA	
	Network-based Conference – HD	NA	
	Collaborate – Video	NA	
	Collaborate – Video – HD	NA	

BroadWorks SIP Phone Interoperability Test Plan Support Table			
Test Plan Package	**Test Plan Package Items**	**Supported**	**Comments**
TCP	Register	Yes	
	Outgoing Invite	Yes	
	Incoming Invite	Yes	
IPV6	Call Origination	NT	
	Call Termination	NT	
	Session Audit	NT	
	Ringback	NT	
	Codec Negotiation/Renegotiation	NT	
	Voice Message Deposit/Retrieval	NT	
	Call Control	NT	
	Registration with Authentication	NT	
	Busy Lamp Field	No	
	Redundancy	NT	
	SBC	NT	
	Video	NA	
	Dual Stack with Alternate Connectivity	No	

2.2.2 Other Interface Capabilities

The Yealink W60B IP DECT PHONE may have implemented support for the following:

- BroadWorks Xtended Services Interface (Xsi)
- Extensible Messaging and Presence Protocol (XMPP) (BroadCloud/BroadWorks Collaborate Instant Messaging and Presence [IM&P])

Support for these interfaces is demonstrated by completing the *BroadWorks SIP Phone Functional Test Plan* [9]. Support for these interfaces is summarized in the following table.

BroadWorks Xtended Services Interface (Xsi) and BroadCloud IM&P Support Table			
Interface	**Feature**	**Supported**	**Comments**
Xsi Features – Authentication	Authenticate with SIP Credentials	Yes	
	Authenticate with BroadWorks User Login Credentials	Yes	Default.
	Authenticate with BroadWorks User Directory Number	No	
Xsi Features – User Service Configuration	Remote Office	Yes	
	BroadWorks Anywhere	Yes	
	Simultaneous Ringing	Yes	
	Caller ID Blocking	Yes	

BroadWorks Xtended Services Interface (Xsi) and BroadCloud IM&P Support Table			
Interface	**Feature**	**Supported**	**Comments**
	Call Forwarding Always	Yes	Via FKS.
	Call Forwarding Busy	Yes	Via FKS.
	Call Forwarding No Answer	Yes	Via FKS.
	Do Not Disturb	Yes	Via FKS.
Xsi Features – Directories	Enterprise Directory	Yes	
	Enterprise Common Phone List	Yes	
	Group Directory	Yes	
	Group Common Phone List	Yes	
	Personal Phone List	Yes	
	Search All Directories	No	
Xsi Features – Call Logs	Placed Calls	Yes	
	Received Calls	Yes	
	Missed Calls	Yes	
	All Calls	Yes	
	Sort by Name	No	
XMPP Features – Contact/Buddy List	Contacts	No	
	Favorites	No	
	Groups	No	
	Non-XMPP Contacts	No	
	Conferences	No	
XMPP Features – Presence	Login Invisible	No	
	Presence State	No	
	Presence Status	No	
	Contact's Presence State	No	

2.3 Known Issues

This section lists the known interoperability issues between BroadWorks and specific partner release(s). Issues identified during interoperability testing and known issues identified in the field are listed.

The following table provides a description of each issue and, where possible, identifies a workaround. The verified partner device versions are listed with an "X" indicating that the issue occurs in the specific release. The issues identified are device deficiencies or bugs, and are typically not BroadWorks release dependent.

The *Issue Number* is a tracking number for the issue. If it is a Yealink issue, the issue number is from Yealink's tracking system. If it is a BroadWorks issue, the issue number is from BroadSoft's tracking system.

For more information on any issues related to the particular partner device release, see the partner release notes.

Issue Number	Issue Description	Partner Version			
		x.83.0.10	x.80.193.10		
66520	**Network 3-way; Public Hold, Add Party.** Network conference transforms to the local conference after retrieving the held call so it fails to add another party to the network conference. Workaround: None.		X		

3 BroadWorks Configuration

This section identifies the required BroadWorks device profile type for the Yealink W60B IP DECT PHONE as well as any other unique BroadWorks configuration required for interoperability with the W60B IP DECT PHONE.

3.1 BroadWorks Device Profile Type Configuration

This section identifies the device profile type to use when deploying the Yealink W60B IP DECT PHONE with BroadWorks.

Create a device profile type for the Yealink W60B IP DECT PHONE with settings as shown in the following example. For an explanation of the profile parameters, see the *BroadWorks Device Management Configuration Guide* [2].

The device profile type shown provides the *Number of Ports* (number of SIP lines) setting for Yealink W60B Phone. For W60B IP DECT PHONE, create a new device profile type and set the *Number of Ports* to match the available number of SIP lines per model according to the following table.

Model	Number of Lines
W60B	8 SIP accounts, 0 line keys

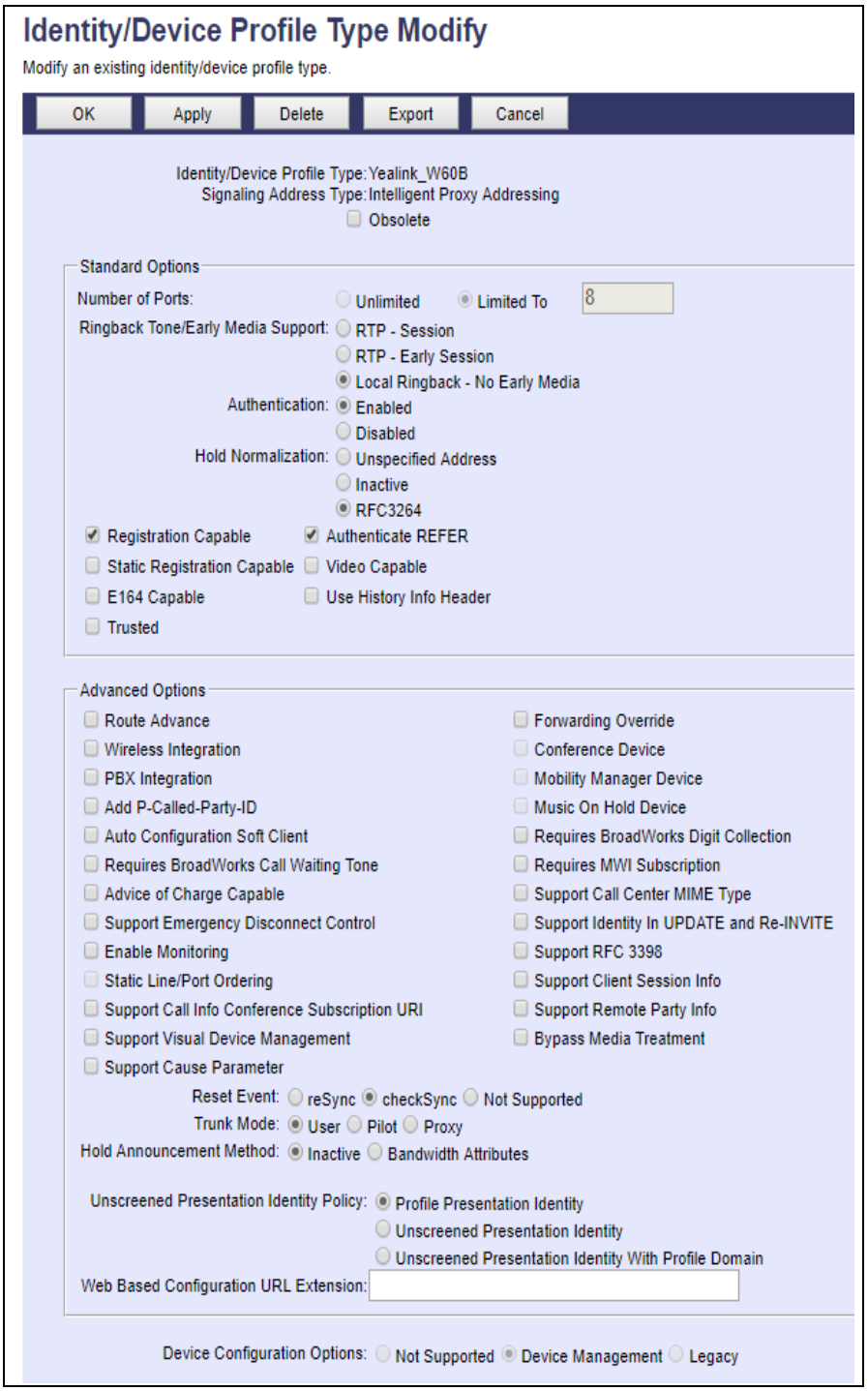

Figure 1 Device Identity/Profile Type

3.2 BroadWorks Configuration Steps

No additional BroadWorks configuration steps are required.

4 W60B IP DECT PHONE Configuration

This section describes the configuration settings required for the W60B IP DECT PHONE integration with BroadWorks, primarily focusing on the SIP interface configuration. The W60B IP DECT PHONE configuration settings identified in this section have been derived and verified through interoperability testing with BroadWorks. For configuration details not covered in this section, see the *Yealink W60B IP DECT PHONE User Guide* [1].

4.1 Configuration Method

The capabilities of the *W60B IP DECT PHONE* have been verified for use with BroadWorks based on the settings described in the following table. For more information on the meaning, purpose, and applicability of the individual configuration items see the *Yealink* W60B IP DECT PHONE *User Guide* [1].

Configuration Files

Files Provided by Partner	Level	Description
<MACADDRESS>.cfg	device-specific configuration file	Device specific account information file.

4.2 System Level Configuration

This section describes system-wide configuration items that are generally required for each *W60B IP DECT PHONE* to work with BroadWorks. Subscriber-specific settings are described in the next section.

Step	Command	Purpose
System Configuration Items y0000000000<xx>.cfg		
Step 1	**Set SIP Proxy/Domain.** account.1.sip_server.1.address = as.broadworks.net account.1.sip_server.1.port = 5060 account.1.sip_server_type = 2	Set the W60B IP DECT PHONE SIP server to the Fully Qualified Domain Name (FQDN) for the BroadWorks Application Server cluster. The domain must match the domain configured for the BroadWorks subscriber's line/port domain. Set the SIP server type of W60B: Default=0 BroadSoft=2
Step 2	**Set Outbound Proxy.** account.1.outbound_proxy_enable = 1 account.1.outbound_proxy.1.address = sbc.broadworks.net account.1.outbound_proxy.1.port = 5060	Set the Outbound Proxy to the session border controller (SBC) if one is deployed between the W60B IP DECT PHONE and BroadWorks. If there are redundant SBCs, set it to the FQDN for the SBC cluster.
Step 3	**Set SIP Timers.** sip.timer_t1 = 0.5 sip.timer_t2 = 4 sip.timer_t4 = 5	The SIP timers should be set to levels short enough to support a timely failover when there is no server response.
Step 4	**Set Register Expire Timer.** account.1.sip_server.1.expires = 3600	Set the registration period.

Step	Command	Purpose
System Configuration Items y0000000000<xx>.cfg		
Step 5	**Enable reliable response.** account.1.100rel_enable = 1	Reliable provisional response (PRACK) should be enabled.
Step 6	**Enable Session Timer.** account.1.session_timer.enable = 1 account.1.session_timer.expires = 300 account.1.session_timer.refresher = 1	Set the W60B IP DECT PHONE to enable Session Timer. Session Refresher: 0 = uac 1 = uas
Step 7	**Enable Call Waiting.** call_waiting.enable = 1 call_waiting.tone = 1	Set the W60B IP DECT PHONE series to enable Call Waiting and Call Waiting Tone.
Step 8	**Enable MWI.** account.1.subscribe_mwi = 0 account.1.subscribe_mwi_expires =3600	MWI: Solicited when setting SubscribeMWI = 1. MWI: Not solicited when setting SubscribeMWI = 0.
Step 9	**Enable negotiated DTMF type.** account.1.dtmf.type = 1	Set the W60B IP DECT PHONE to enable inband or RFC 2833 negotiated DTMF.
Step 10	**Select Transport Type.** account.1.sip_server.1.transport_type = 0	Set the SIP transport: Transport = 0 (UDP) Transport = 1 (TCP) Transport = 2 (TLS) (except T18P) Transport = 3 (DNS-SRV) (except T80P)

4.3 Subscriber Level Configuration

This section identifies the device-specific parameters, including registration and authentication. These settings must be unique across devices to be matched with the settings for a BroadWorks subscriber.

Provisioning a subscriber to register with BroadWorks allows calls to terminate to the subscriber's line. Registration requires that a unique address of record (AoR) is provisioned on BroadWorks and the phone; provisioning an AoR on BroadWorks consists of setting the line/port parameter to a unique value within the Application Server cluster.

Step	Command	Purpose
Subscriber parameters for the <MACADDRESS>.cfg		
Step 1	**Enable line 1 to be used.** Example: account.1.enable = 1	Enable a line of the W60B IP DECT PHONE to be used.
Step 2	**Configure display name for a line.** Example: account.1.display_name = Joe	For the line, configure the name to be displayed on the device.

Step	Command	Purpose
Subscriber parameters for the <MACADDRESS>.cfg		
Step 3	**S]=et Register User ID for a line.** Example: account.1.user_name = 2405551111	The *register user ID* must correspond with the line/port setting on BroadWorks.
Step 4	**Enable SIP Authentication for a line.** Example: account.1.auth_name = 2405551111 account.1.password = 123456	If the Authentication service is configured on BroadWorks, these parameters must be configured to match the BroadWorks settings.
Step 5	**Configure Network Phonebook.** account.1.xsi.host = xsp1.iop1.broad works.net account.1.xsi.user = 2413333601@as.iop1. broadworks.net account.1.xsi.password = yealink	This configures the phone to use the BroadWorks Xsi interface to retrieve the group phone directory. Host: This is the identity of the BroadWorks Xsp server/cluster address and relevant xsi-actions parameters. User: This is the BroadWorks user's login name. Password: This is the BroadWorks user's login password.

4.4 SIP Advanced Feature Configuration

This section provides configuration instructions for advanced SIP features supported by the phone including but not limited to Shared Call Appearance, Busy Lamp Field, Feature Key Synchronization, Call Center, and Emergency Call.

4.4.1 Shared Call Appearance Configuration

The Shared Call Appearance (SCA) feature allows the administrator to add multiple locations to a given line. Any of the locations can be used to originate or receive calls.

When a call comes in to an idle line, all the provisioned locations for that line are alerted. The first location to answer the call is connected to the originator. If the line is already active in a call, only the active location is alerted.

A subscriber can originate calls from any of the configured locations. All other locations are unable to originate calls until all calls are released.

It is recommended that the phone number plus an index (<phoneNumber>_<index>) is used when provisioning the unique address of record (AoR) for each shared line. For example: 2405551111_2. If a phone number does not exist, the MAC address plus an index could be used (<macAddress>_<index>).

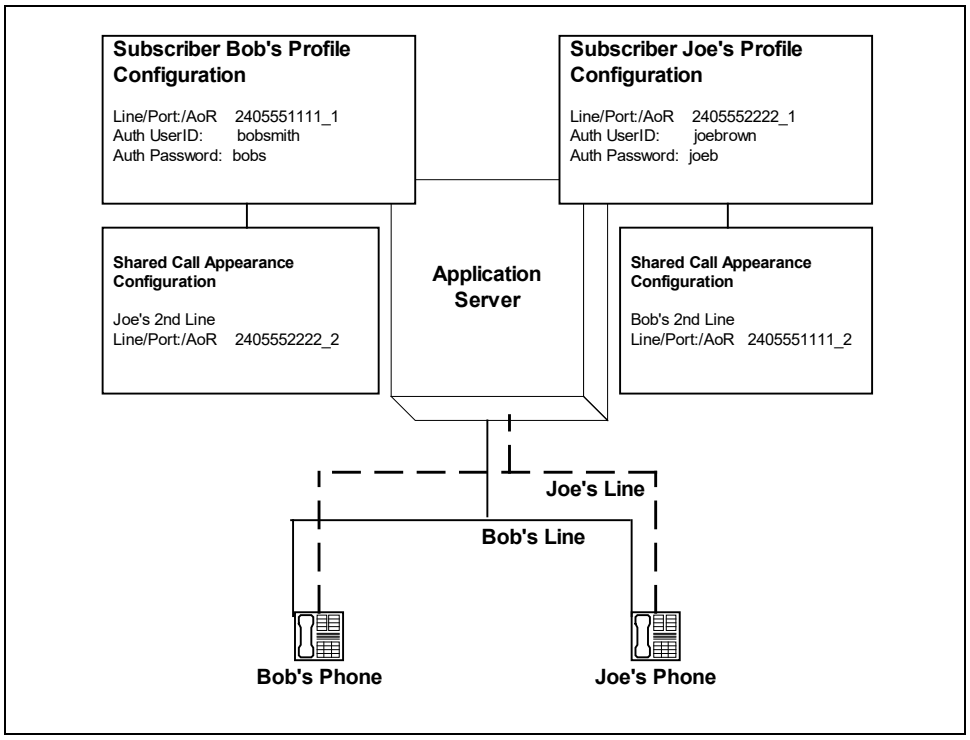

Figure 2 Shared Call Appearance Configuration

Figure 2 shows that Bob and Joe each have two lines and that Bob shares a line with Joe and Joe shares a line with Bob. The figure also shows the applicable Subscriber Profile and Shared Call Appearance Configuration data for subscribers Bob and Joe.

When Bob (2405551111) is called, Bob's first line and Joe's second line will ring. When Joe (2405552222) is called, Joe's first line and Bob's second line will ring.

The following steps show how to configure both phones for this Shared Call Appearance configuration.

For configurations of SCA for the device, see the example in the following section.

4.4.1.1 Bob's Phone Configuration – MAC.cfg

This is the SCA configurations as specified in *MAC.cfg*, that is, *0015651130dc.cfg* where "0015651130dc" is the MAC address of the SIP phone.

The following steps are used to configure line 1 for Bob's phone. This line rings when Bob is called, so it has Bob's authentication information.

Step	Command	Purpose
Step 1	**Configure line as shared.** account.1.shared_line = 1;	Configure the line as "shared" (as opposed to "private").
Step 2	**Set Register User ID.** Example: account.1.user_name = 2405551111_1;	The register user ID must correspond with the line/port setting on BroadWorks.

Step	Command	Purpose

Step 3	**Enable SIP Authentication.**
	Example:
	account.1.auth_name = bobsmith;
	account.1.password = bobs;
		If the Authentication service is configured on BroadWorks, these parameters must be configured to match the BroadWorks settings.
		This line rings when Bob is called, so it has Bob's authentication information.

Step 4	**Configure display name.** Example: account.1.display_name = Bob Smith;	Configure the name to be displayed on the device for this line.

The following steps are used to configure line 2 for Bob's phone. This line rings when Joe is called, so it has Joe's authentication information.

Step	Command	Purpose
Step 1	**Configure line as shared.** account.2.shared_line = 1;	Configure the line as "shared" (as opposed to "private").
Step 2	**Set Register User ID.** Example: account.2.user_name = 2405551111_2;	The register user ID must correspond with the line/port setting on BroadWorks.

Step 3	**Enable SIP Authentication.**
	Example:
	account.2.auth_name = joebrown;
	account.2.password = joeb;
		If the Authentication service is configured on BroadWorks, these parameters must be configured to match the BroadWorks settings.
		This line rings when Joe is called, so it has Joe's authentication information.

Step 4	**Configure display name.** Example: account.2.display_name = Joe Brown;	Configure the name to be displayed on the device for this line.

4.4.1.2 Joe's Phone Configuration – MAC.cfg

The following steps are used to configure line 1 for Joe's phone. This line rings when Joe is called, so it has Joe's authentication information.

Step	Command	Purpose
Step 1	**Configure line as shared.** account.1.shared_line = 1;	Configure the line as "shared" (as opposed to "private").
Step 2	**Set Register User ID.** Example: account.1.user_name = 2405552222_1;	The register user ID must correspond with the line/port setting on BroadWorks.

Step 3	**Enable SIP Authentication.**
	Example:
	account.1.Auth_Name = joebrown;
	account.1.password = joeb;
		If the Authentication service is configured on BroadWorks, these parameters must be configured to match the BroadWorks settings.
		This line rings when Joe is called, so it has Joe's authentication information.

Step	Command	Purpose
Step 4	**Configure display name.** Example: account.1.Display_Name = Joe Brown;	Configure the name to be displayed on the device for this line.

The following steps are used to configure line 2 for Joe's phone. This line rings when Bob is called, so it has Bob's authentication information.

Step	Command	Purpose
Step 1	**Configure line as shared.** account.2.shared_line = 1;	Configure the line as "shared" (as opposed to "private").
Step 2	**Set Register User ID.** Example: account.2.user_name = 2405552222_2;	The register user ID must correspond with the line/port setting on BroadWorks.

Step 3	**Enable SIP Authentication.**
	Example:
	account.2.Auth_Name = bobsmith;
	account.2.password password = bobs;
		If the Authentication service is configured on BroadWorks, these parameters must be configured to match the BroadWorks settings.
		This line rings when Bob is called, so it has Bob's authentication information.

Step 4	**Configure display name.** Example: account.2.Display_Name = Bob Smith;	Configure the name to be displayed on the device for this line.

4.4.1.3 Hybrid Key System Configuration

Yealink W60B IP DECT PHONE does not support Hybrid Key System.

4.4.2 Busy Lamp Field Configuration

Yealink W60B IP DECT PHONE does not support Busy Lamp Field.

4.4.3 Feature Key Synchronization Configuration

Feature Key Synchronization provides synchronization of phone services such as *Call Forwarding* and *Do Not Disturb* with the settings on BroadWorks for the analogous services. Configure the phone to enable Feature Key Synchronization as follows:

Step	Command	Purpose
Step 1	**Enable Feature Key Synchronization.** Example: features.feature_key_sync.enable = 1	Enable Feature Key Synchronization feature. ▪ 0 for Disabled ▪ 1 for Enable

Browse to *Features* → *General Information* and set Feature Key Synchronization to "Enabled".

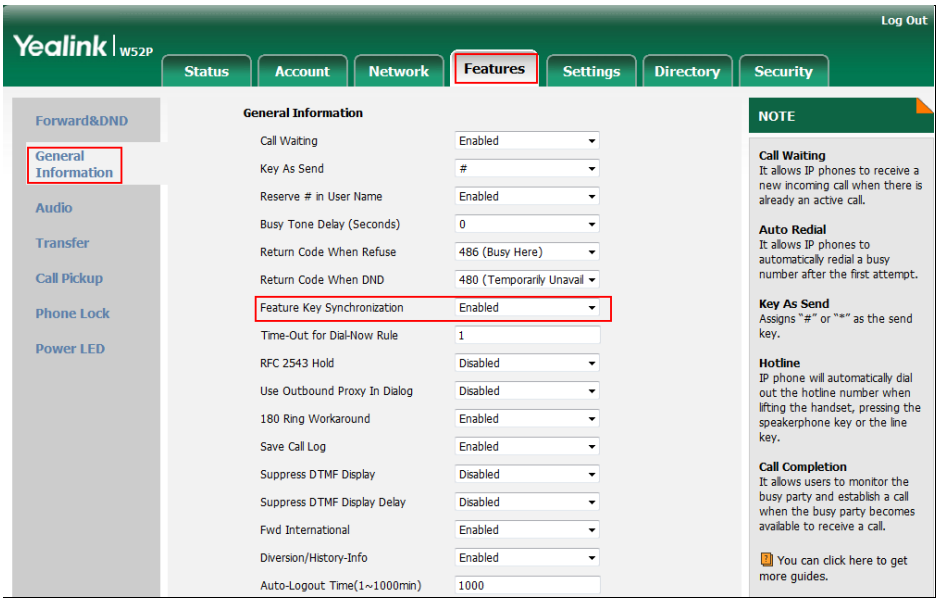

Figure 3 Feature Key Synchronization Configuration

4.4.4 Call Center Feature Configuration

Yealink W60B IP DECT PHONE does not support Call Center feature.

4.4.5 Call Recording Feature Configuration

Yealink W60B IP DECT PHONE does not support Call recording feature.

4.4.6 Security Classification Feature Configuration

Yealink W60B IP DECT PHONE does not support Security Classification feature.

4.4.7 Emergency Call Configuration

Yealink W60B IP DECT PHONE does not support Emergency Call.

4.4.8 Advice of Charge Configuration

Yealink W60B IP DECT PHONE does not support Advice of Charge feature.

4.4.9 PANI Header Support Configuration

This section provides configuration instructions to configure the device to enable P-Access-Network-Info header. Configure the emergency for phone as follows:

Step	Command	Purpose
Step 1	**Configure the PANI header support for Invite message.** Example: account.1.invite_with_pani_header.enable =1	Configure the PANI header support for Invite message. ▪ 0 for Disabled ▪ 1 for Enable
Step 1	**Configure the PANI header support for register message** Example: account.1.reg_with_pani_header.enable=1	Configure the PANI header support for register message. ▪ 0 for Disabled ▪ 1 for Enable

4.5 Xtended Services Interface Feature Configuration

This section applies to SIP phones, soft clients, and other devices that provide a user interface.

This section provides configuration instructions for configuration of Xtended Services Interface features supported by the phone, including but not limited to, BroadWorks Directory and BroadWorks Call Logs.

For a phone to access Xtended Services Interface features including services, directories, call logs and so on. The SIP phone must first authenticate the user. At present, Yealink SIP phone supports two methods for authenticating the user: BroadWorks User Login Credentials and SIP Authentication Credentials.

BroadWorks User Login Credentials

1) Browse to the *Applications* →*Broadsoft XSI* →*XSI* Account.

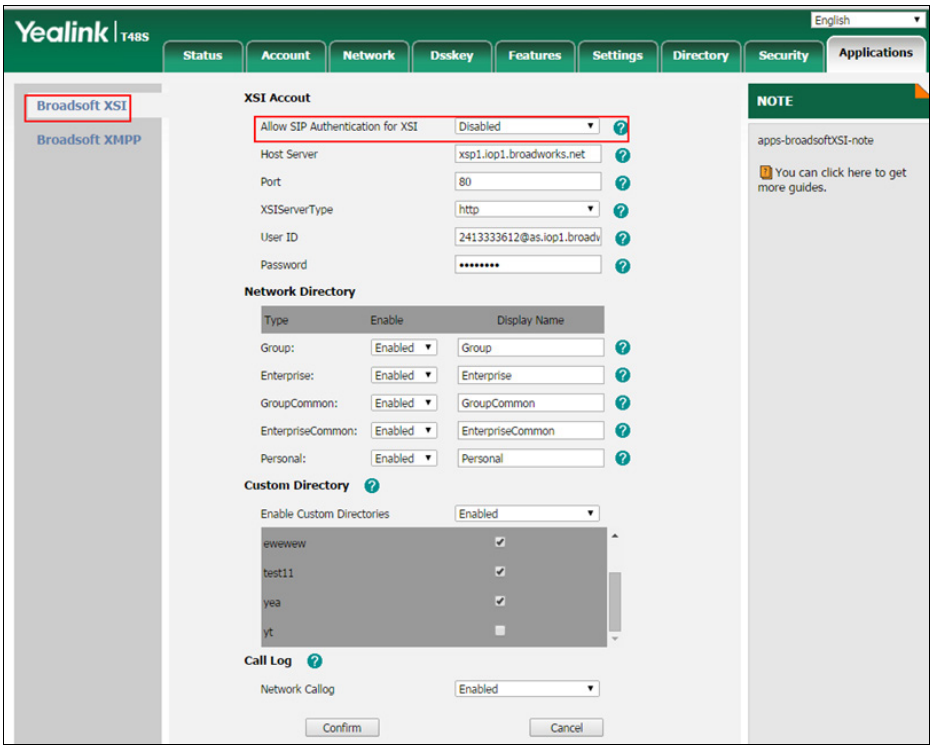

Figure 4 Xtended Services Interface Configuration

2) Type in the related parameters and then click **Confirm**.

SIP Authentication Credentials

3) Browse to the *Account* → *Register,* type in the correct account parameters, then click the **Confirm** button.

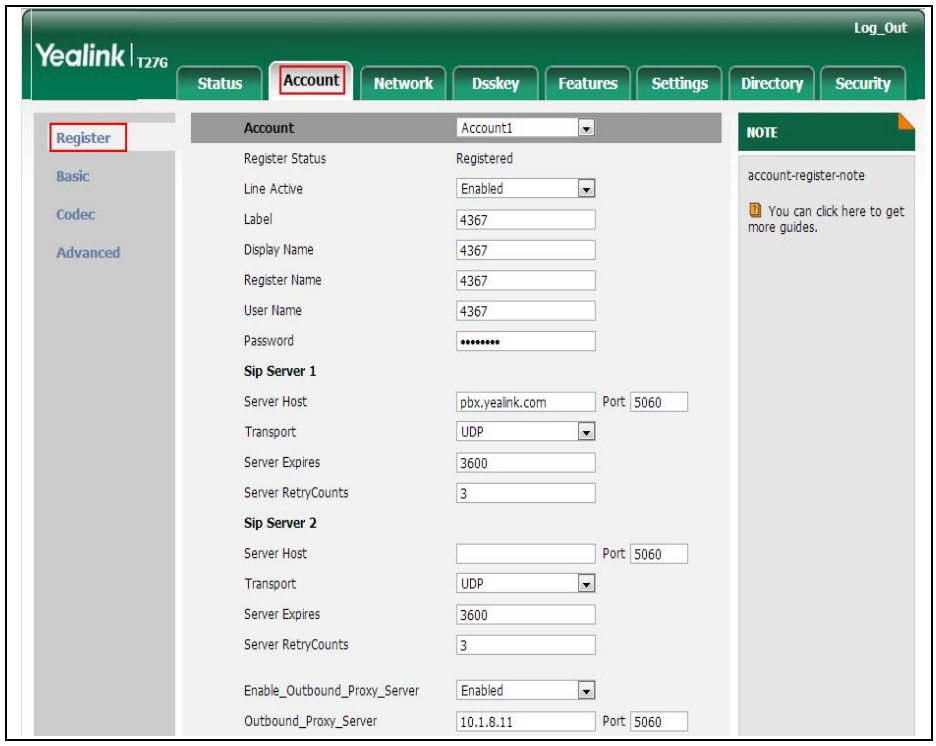

Figure 5 Xtended Services Platform Account Configuration

4) Browse to *Applications* → *Broadsoft XSI*，type in the correct parameters, then save the configuration.

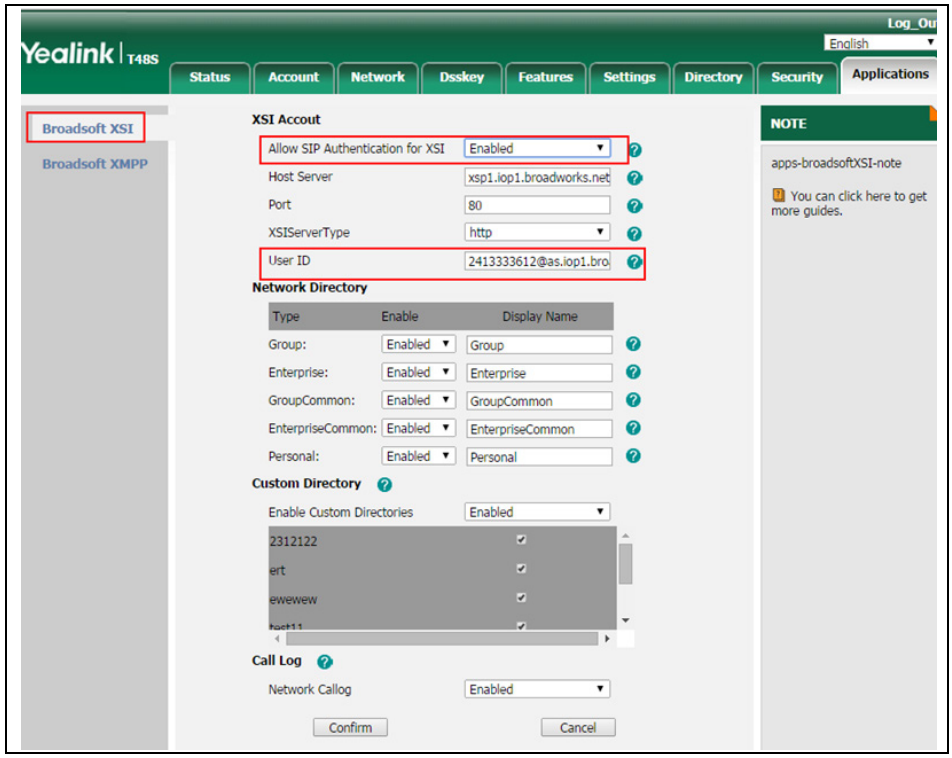

Figure 6 Xtended Services Platform Configuration

4.5.1 BroadWorks User Service Configuration

Integration with the BroadWorks Xtended Services Interface for User Service Configuration enables the phone to display and configure BroadWorks user services such as Remote Office, BroadWorks Anywhere, Call Forwarding, and Simultaneous Ring. To enable User Service Configuration, perform the following steps.

Step	Command	Purpose
Step 1	**sip.authentication_for_xsi =** **Example:** sip.authentication_for_xsi = 1	Enable the XSP authentication mode. 0= BroadWorks User Login credentials 1= SIP Authentication credentials
Step 2	**account.1.xsi.user=** **account.1.xsi.password =** **Example:** account.1.xsi.user= 2405551111 account.1.xsi.password = 123456	Set the Xsi login user name and password for line 1.
Step 3	**account.1.xsi.host =** **Example:** account.1.xsi.host =xsp1.iop1.broadworks.net	Set the IP address or domain name of the Xsp server.
Step 4	**account.1.xsi.server_type =** **Example:** xsi.server_type =http	Set the transport type for Xsi.
Step 5	**account.1.xsi.port =** **Example:** account.1.xsi.port =80	Set the transport port for Xsi.

4.5.2 BroadWorks Directory Configuration

Integration with the BroadWorks Xtended Services Interface for directories enables the phone to download personal, group, and enterprise directories from BroadWorks and makes them available to a user via the phone menus. To enable this feature, perform the following steps.

Step	Command	Purpose
Step 1	Enable the Network directory to be displayed on the IP phone. Example: bw.xsi.directory.enable =1	Enable the Network directory to be displayed on the IP phone. 0 = Disabled 1 = Enabled
Step 2	Enable the group directory to be displayed on the IP phone. Example: bw_phonebook.group_enable = 1	Enable the group directory to be displayed on the IP phone. 0 = Disabled 1 = Enabled
Step 3	Configure the group directory name displayed on the IP phone. Example: bw_phonebook.group_displayname = Group	Configure “Group” as the group directory name displayed on the IP phone. The default value is “Group”.

Step	Command	Purpose
Step 4	Configure the group common directory to be displayed on the IP phone. Example: `bw_phonebook.group_common_enable = 1`	Enable the group common directory to be displayed on the IP phone. 0 = Disabled 1 = Enabled
Step 5	Configure the group common directory name displayed on the IP phone. Example: `bw_phonebook.group_common_displayname = GroupCommon`	Configure “GroupCommon” as the group common directory name displayed on the IP phone. The default value is “GroupCommon”.
Step 6	Configure the enterprise directory to be displayed on the IP phone. Example: `bw_phonebook.enterprise_enable = 1`	Enable the enterprise directory to be displayed on the IP phone. 0 = Disabled 1 = Enabled
Step 7	Configure the enterprise directory name displayed on the IP phone. Example: `bw_phonebook.enterprise_displayname = Enterprise`	Configure “Enterprise” as the enterprise directory name displayed on the IP phone. The default value is “Enterprise”.
Step 8	Enable the enterprise common directory to be displayed on the IP phone. Example: `bw_phonebook.enterprise_common_enable = 1`	Enable the enterprise common directory to be displayed on the IP phone. 0 = Disabled 1 = Enabled
Step 9	Configure the enterprise common directory name displayed on the IP phone. Example: `bw_phonebook.enterprise_common_displayname = EnterpriseCommon`	Configure “EnterpriseCommon” as the enterprise common directory name displayed on the IP phone. The default value is “EnterpriseCommon”.
Step 10	Enable the personal directory to be displayed on the IP phone. Example: `bw_phonebook.personal_enable = 1`	Enable the personal directory to be displayed on the IP phone. 0 = Disabled 1 = Enabled
Step 11	Configure the personal directory name displayed on the IP phone. `bw_phonebook.personal_displayname = Personal`	Configure “Personal” as the personal directory name displayed on the IP phone. The default value is “Personal”.
Step 12	Enable the custom directory feature. Example: `bw_phonebook.custom = 1`	Enable the custom directory feature. 0 = Disabled 1 = Enabled

4.5.3 BroadWorks Call Logs Configuration

Integration with the BroadWorks Xtended Services Interface for Call Logs enables the phone to get call log history (missed, placed, and received calls) from BroadWorks and make them available to a user via the phone menus. To enable this feature, perform the following step.

Step	Command	Purpose
Step 1	**Enable the BroadSoft call log feature.** Example: `bw.xsi.call_log.enable` = 1	Enable BroadWorks call log feature. ▪ 0 for Disabled ▪ 1 for Enabled

Configure the phone as shown in the following figure.

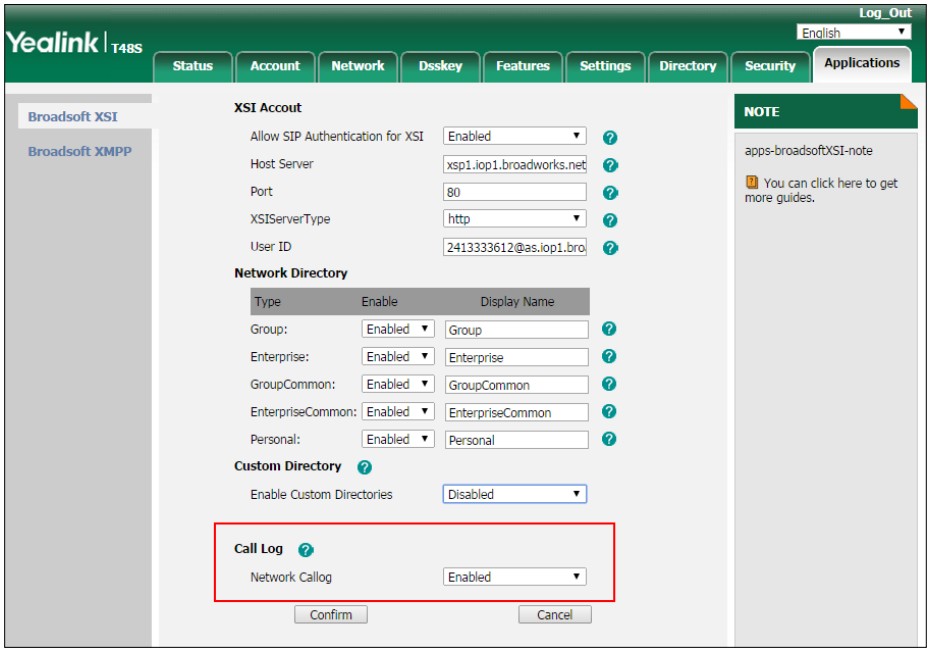

Figure 7 Call Logs Configuration

4.5.4 BroadWorks Call Park Configuration

Integration with the BroadWorks Xtended Services Interface for Call Park makes call park available to a user via the phone menus. To enable this feature, perform the following steps.

Step	Command	Purpose
Step 1	**Enable call park feature for the line.** Example: `account.1.callpark_enable= 1`	Enable call park feature. ▪ 0 for Disabled ▪ 1 for Enabled
Step 2	**Enable the phone to display the Park soft key during a call.** Example: `features.call_park.enable = 1`	The Park soft key appears on the LCD screen during a call. ▪ 0 for Disabled ▪ 1 for Enabled

Step	Command	Purpose
Step 3	**Enable the phone to display the GPark soft key during a call.** Example: features.call_park.group_enable= 1	The GPark soft key appears on the LCD screen during a call. ▪ 0 for Disabled ▪ 1 for Enabled
Step 4	**Enable the phone to play a warning tone when a call is parked against its line.** Example: features.call_park.park_ring = 1	Enable the phone to play a warning tone when a call is parked against its line. ▪ 0 for Disabled ▪ 1 for Enabled
Step 5	**Enable the phone to display a parked indicator when a call is parked against its line.** Example: features.call_park.park_visual_notify_enable = 1	Enable the phone to display a parked indicator when a call is parked against its line. ▪ 0 for Disabled ▪ 1 for Enabled

Configure the Call Park settings as shown in the following figure.

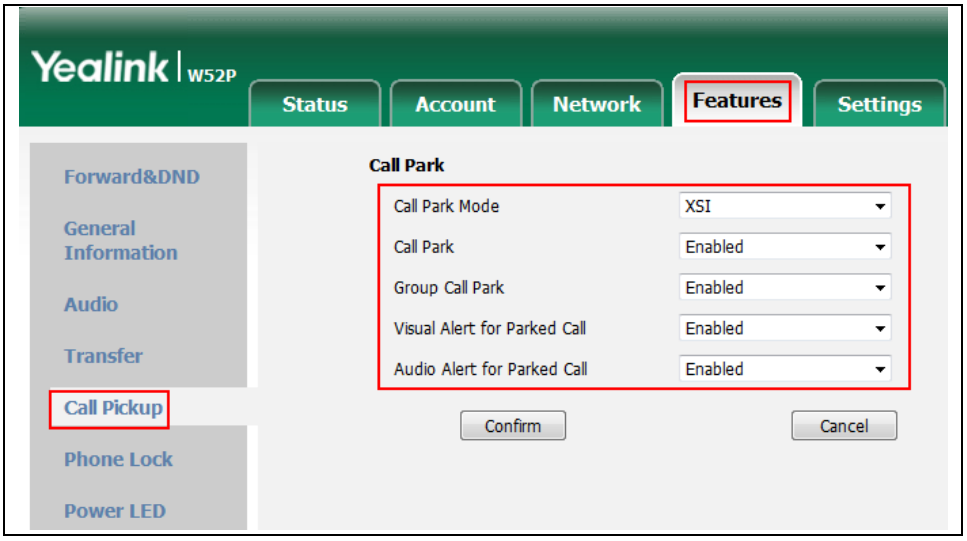

Figure 8 Call Park Configuration

4.6 Instant Message and Presence Configuration

Yealink W60B IP DECT PHONE does not support Instant Message and Presence.

4.7 Connected Line Presentation on UPDATE or Re-Invite

Set the phones ability to refresh caller ID:

Step	Command	Purpose
Step 1	**Enable refresh caller id feature.** Example: account.1.refresh_remote_id.enable = 1	Enable refresh caller id feature. ▪ 0 for Disabled ▪ 1 for Enable

Log in to the devices web portal, and enter Account-advance-Caller ID Source. Select the configuration item PAI-FROM, or PAI-RPID-FROM.

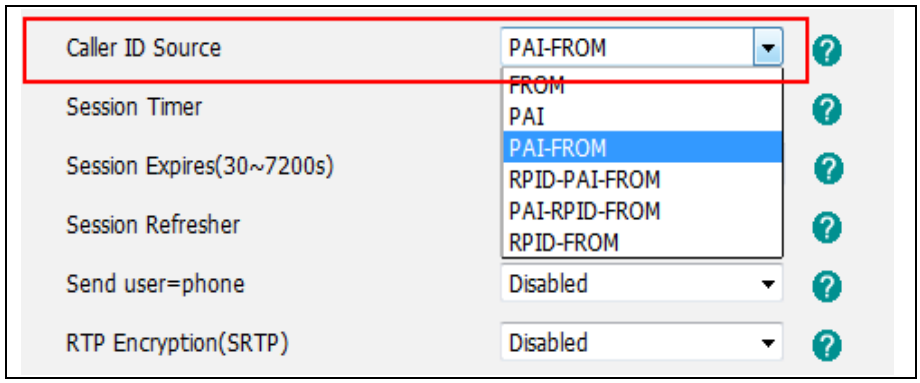

Figure 9 Connected Line Presentation on Update or Re-Invite

Or you can use the configuration parameter: account.x.cid_source=. The available values are:

- 0 – FROM
- 1 – PAI
- 2 – PAI-FROM
- 3 – PRID-PAI-FROM
- 4 – PAI-RPID-FROM
- 5 – RPID-FROM

You can select 1, 2, or 4 to make it work.

5 Device Management

The BroadWorks Device Management feature provides the capability to automate generation of device configuration files to support mass deployment of devices. This section identifies the device management capabilities supported by the Yealink W60B IP DECT PHONE and the configuration steps required. For Device Management configuration details not covered here, see the *BroadWorks Device Management Configuration Guide* [2] and the *BroadWorks CPE Kit Usage Guide* [8].

5.1 Device Management Capabilities Supported

The Yealink W60B IP DECT PHONE has completed Device Management interoperability testing with BroadWorks using the *BroadWorks Device Management Interoperability Test Plan* [7]. The results are summarized in the following table.

The BroadWorks test plan is composed of packages, each covering distinct interoperability areas. Each package is composed of one or more test items, which in turn, are composed of one or more test cases. The test plan exercises the Device Management interface between the device and BroadWorks with the intent to ensure interoperability.

The *Supported* column in the following table identifies the Yealink W60B IP DECT PHONE's support for each of the items covered in the test plan packages, with the following designations:

- Yes Test item is supported
- No Test item is not supported
- NA Test item is not applicable
- NT Test item was not tested

Caveats and clarifications are identified in the *Comments* column.

NOTE: *DUT* in the following table refers to the *Device Under Test*, which in this case is the Yealink W60B IP DECT PHONE.

BroadWorks Device Management Interoperability Test Plan Support Table			
Test Plan Package	**Test Plan Package Items**	**Supported**	**Comments**
HTTP File Download	HTTP Download Using Xtended Services Platform (Xsp) IP Address	Yes	
	HTTP Download Using Xtended Services Platform FQDN	Yes	
	HTTP Download Using Xtended Services Platform Cluster FQDN	Yes	
	HTTP Download With Double Slash	Yes	
HTTPS File Download	HTTPS Download Using Xtended Services Platform IP Address	Yes	
	HTTPS Download Using Xtended Services Platform FQDN	Yes	
	HTTPS Download Using Xtended Services Platform Cluster FQDN	Yes	

BroadWorks Device Management Interoperability Test Plan Support Table			
Test Plan Package	**Test Plan Package Items**	**Supported**	**Comments**
HTTPS File Download with Client Authentication	HTTPS Download with Client Authentication Using XSP FQDN	Yes	
	HTTPS Download with Client Authentication Using XSP Cluster FQDN	Yes	
File Inspection	Inspect System Config File	Yes	
	Inspect Device-Specific Config File	Yes	
	Inspect Other Config Files	Yes	
	Inspect Static Files	Yes	
Device Inspection	Inspect SIP Settings	Yes	
	Inspect Line Settings	Yes	
	Inspect Service Settings	Yes	
	Inspect Time Zone Setting	Yes	
	Inspect Language Setting	No	
HTTP File Upload	HTTP Upload Using Xtended Services Platform IP Address	Yes	
	HTTP Upload Using Xtended Services Platform FQDN	Yes	
	HTTP Upload Using Xtended Services Platform Cluster FQDN	Yes	
Call Processing Sanity Tests	Register with Authentication	Yes	
	Call Origination	Yes	
	Call Termination	Yes	
	Remote Restart	Yes	
	Shared Line Origination	Yes	
	Shared Line Termination	Yes	
	Shared Line Status	Yes	
	Busy Lamp Field	No	
	Network-Based Conference	Yes	
Flexible Seating	Association via Voice Portal	Yes	
	Association via Phone	No	
No Touch Provisioning	Using DHCP Options Field	Yes	
	BroadWorks Device Management Redirect	Yes	
	Vendor-Hosted Redirect Service	Yes	

5.2 Device Management Configuration

This section identifies the steps required to enable the Yealink W60B IP DECT PHONE for device management. For Device Management configuration details not covered here, see the *BroadWorks Device Management Configuration Guide* [2] and the *BroadWorks CPE Kit Usage Guide* [8].

5.2.1 Configure BroadWorks Tags

The template files in Device Management use tags to represent the data stored on BroadWorks. When a configuration changes for a user, Device Management parses the template files and replaces the Device Management tags with the associated data stored on BroadWorks. There are default tags defined in the Device Management software and there are custom tags that the service provider can create/define via the web portal for use by Device Management. There are two types of custom tags that can be defined: system-default tags are common to all phones on the system; device-type-specific tags are common to Yealink W60B only.

The Yealink W60B IP DECT PHONE makes use of dynamic tags, which may be configured by a BroadWorks administrator as either system default or device type specific tags. This section identifies the required tags.

5.2.1.1 Create System Default Tags

Browse to *System* → *Resources* → *Device Management Tag Sets* and select the *System Default* tag set. Add the system default tags in the following table if they do not already exist.

Tag Name	Valid Settings	Description
%SNTP_SERVER_1%	IP address/FQDN	NTP server address.
%SNTP_SERVER_2%	IP address/FQDN	NTP server address alternate.
%DNS_SERVER_1%	IP address	DNS server address.
%DNS_SERVER_2%	IP address	DNS server address alternate.
%SBC_ADDRESS%	IP address/FQDN	SBC SIP address.
%SBC_PORT%	Port	SBC SIP port.
%USE_SBC_BOOLEAN%	0/1	Use SBC: 1=yes, 0=no.
%XSP_ADDRESS_XSI_ACTIONS%	IP address/FQDN	Xtended Services Platform server address.

Example System Default Tag settings

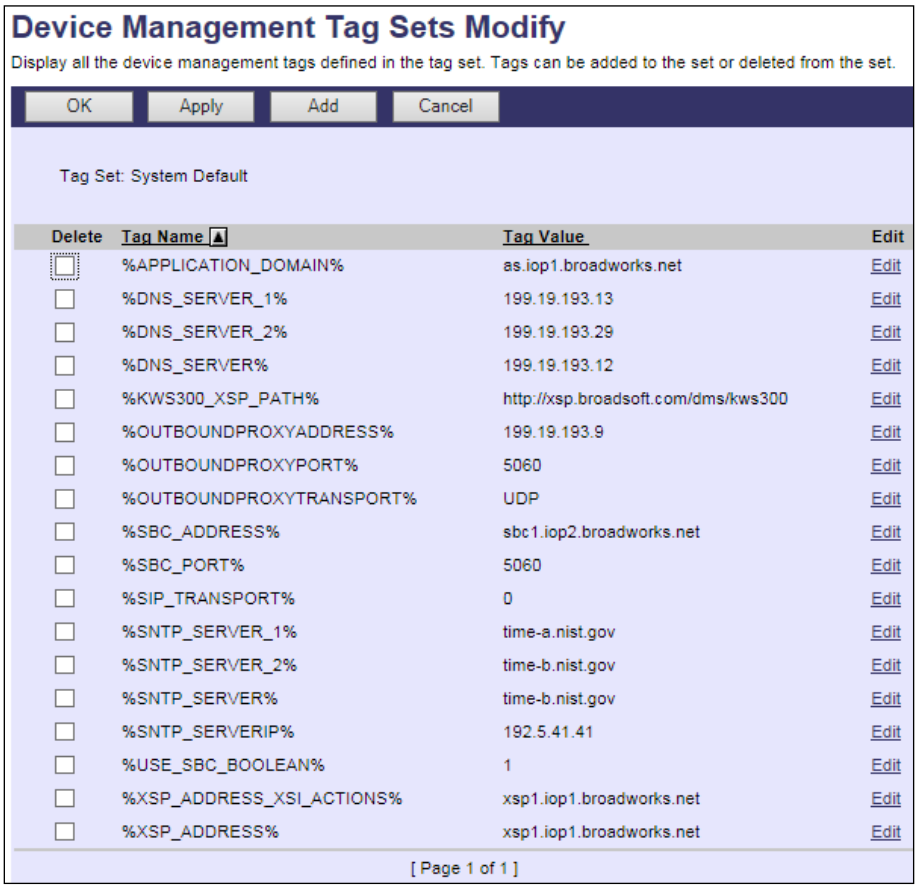

Figure 10 System Default Tag Settings

5.2.1.2 Create Device Type-specific Tags

Browse to *System* → *Resources* → *Device Management Tag Sets* and select *Add* to add a new tag set. Configure the tag set name using the device name appended by Tags: *Yealink W60B_Tags*. Add the device type specific tags in the following table to the device tag set. If the tag set already exists, ensure the tags are defined in the following table.

Tag Name	Valid Settings	Description
%COUNTRY%	United States, Australia, Austria, Brazil, Belgium, China, Czech, Denmark, Finland, France, Germany, Great Britain, Greece, Hungary, Lithuania, India, Italy, Japan, Mexico, New Zealand, Netherlands, Norway, Portugal, Spain, Switzerland, Sweden, Russia, Chile, Czech ETSI	Identifies the country for standard ringtones.
%FEATURE_BW_CALL_PARK%	0 1	Enable/Disable the call park feature for the phone. ▪ 0 = Disabled ▪ 1 = Enable

Tag Name	Valid Settings	Description
%TRANSPORT_TYPE%	0 1 2 3	Defines the SIP transport. ▪ 0 = UDP ▪ 1 = TCP ▪ 2 = TLS ▪ 3 = DNS NAPTR
%REJECT_ANONYMOUS_CALL_BINARY%	0 1	Enable/Disable the anonymous call rejection feature for each line. ▪ 0 = Disabled ▪ 1 = Enable
%CALL_WAITING_BINARY%	0 1	Enable/Disable the call waiting feature. ▪ 0 = Disabled ▪ 1 = Enable
%FEATURE_SYN%	0 1	Enable/Disable the feature key synchronization for the phone. ▪ 0 = Disabled ▪ 1 = Enable
%LANGUAGEWEB%	English Turkish Portuguese Spanish Italian German French Polish Russian	Identifies language for web management.
%XSIPASSWORD-x%	string	Xsi login password for line x. Note: Leave the value as blank, this tag will be customized at each device profile level.
%TIMEZONENAME%	See Appendix B.	Defines the time zone name.
% W60B_FIRMWARE %	77.<x.x.x>.rom Example:77.83.0.10.rom	Defines the firmware version for W60B.

Example Device Type-specific Tag Settings

Tag Name	Tag Value
%AUTO_ANSWER_BINARY%	0
%CALL_WAITING_BINARY%	Enable
%COUNTRY%	United States
%FEATURE_BW_CALL_PARK%	0
%FEATURE_BW_DIR%	1
%FEATURE_KEY_SYNC%	0
%FEATURE_SYNC%	0
%LANGUAGEWEB%	English
%REJECT_ANONYMOUS_CALL_BINARY%	Enable
%TRANSPORT_TYPE%	UDP
%W52P_FIRMWARE%	25.80.193.10.rom
%W60B_FIRMWARE%	77.81.0.10.rom
%XSIPASSWORD-1%	123456

Figure 11 Device Type Specific Tag Settings

5.2.2 Configure BroadWorks Device Profile Type

The device profile type is a system-level structure that defines how the device interfaces with BroadWorks. It also identifies the default configuration files and other files, such as firmware, which are required for the device to operate correctly. The device profile type is created by the system administrator. Group administrators use the device profile type to create a device profile. The device profile is an instance of the device profile type that is associated with a physical device.

There are two BroadWorks device profile configuration methods described: import and manual. The import method takes a DTAF as input and builds the BroadWorks device profile type(s) automatically. The manual method takes the administrator through the steps to manually add and configure the device profile type(s).

The import method should be used if all of the following prerequisites are met:

- The BroadWorks Release is 17.0 or later.
- The device profile type(s) being imported do not already exist on the system. (If either a previous import or manual configuration was done, then the import fails.)
- There is a DTAF file available for import with a BroadWorks release level that is the same as or prior to the release to which it is being imported. If the DTAF file is at a release level later than the release being imported to, then the import can fail.

Otherwise, use the manual method.

For more detailed instructions, see the *BroadWorks CPE Kit Usage Guide* [8] and the *BroadWorks Device Management Configuration Guide* [2].

5.2.2.1 Configuration Method 1: Import

This section identifies the steps necessary to make use of the Device Management import feature to configure BroadWorks to add the Yealink W60B IP DECT PHONE as a Device Management-enabled device type. Also, see the *BroadWorks CPE Kit Usage Guide* [8].

Download the Yealink W60B CPE kit from BroadSoft Xchange at xchange.broadsoft.com. Extract the DTAF file(s) from the CPE kit. These are the import files. Repeat the following steps for each model you wish to import.

1) Log in to BroadWorks as an administrator.
2) Browse to *System* → *Resources* → *Identity/Device Profile Types* and then click **Import**.
3) Select *Browse* to find the extracted DTAF file for the model and then click **OK** to start the import.

   After the import finishes, complete the following post-import configuration steps:
4) Browse to *System* → *Resources* → *Identity/Device Profile Types.*
5) Perform a search to find the imported Yealink device profile type, Yealink W60B.
6) Browse to the *Profile* page and change the Device Management Device Access FQDN to your Xtended Services Platform (Xsp) or Xtended Services Platform cluster address.

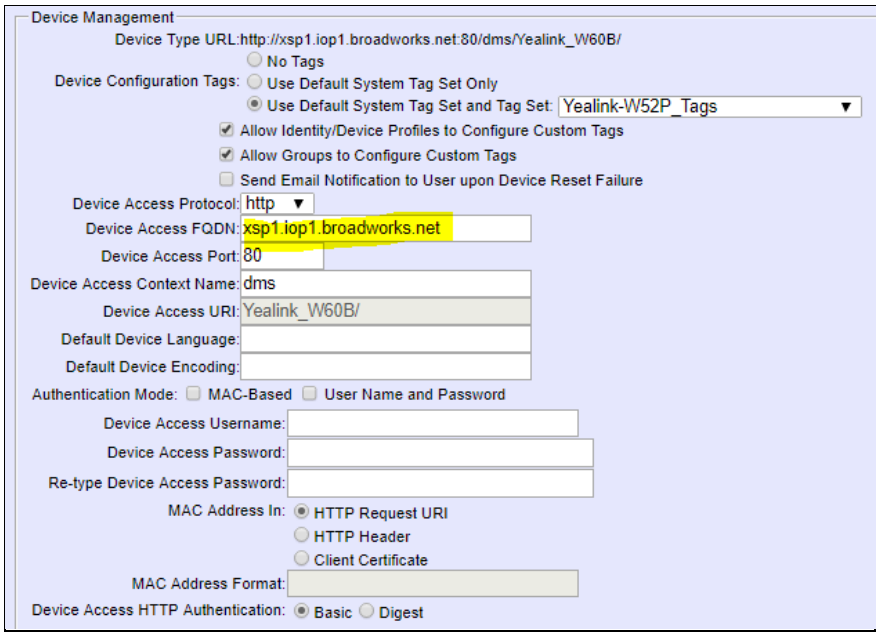

Figure 12 Device Access FQDN

7) Click the **Files and Authentication** link and then select the option to rebuild all the system files.

   Firmware files must be obtained from Yealink. These files are not included in the import. Complete the steps in section *5.2.2.2.2 Static Files* to define the static firmware files and to upload the firmware.

NOTE: The non-firmware static files in section *5.2.2.2.2 Static Files* are included in the import.

8) After importing the DTAFs, restart the Application Server to load the *TimeZoneAlias* files.

5.2.2.2 Configuration Method 2: Manual

This section identifies the manual steps necessary to configure BroadWorks to add the Yealink W60B IP DECT PHONE as a Device Management-enabled device type. This method should not be used except in special cases as described in the opening to section *5.2.2 Configure BroadWorks Device Profile Type*.

For more detailed instruction on manual configuration, see the *BroadWorks CPE Kit Usage Guide* [8] and the *BroadWorks Device Management Configuration Guide* [2].

The steps in this section can also be followed to update previously imported or configured device profile type(s) with new configuration files and firmware.

If there are DTAFs for more than one device model, these steps must be completed for each model.

5.2.2.2.1 Create or Modify Device Profile Type

This section identifies the BroadWorks device profile type settings relevant to Device Management for the Yealink W60B IP DECT PHONE.

Browse to *System* → *Resources* → *Identity/Device Profile Types* and perform a search to find the Yealink device profile type(s) created in section *3.1 BroadWorks Device Profile Type Configuration* or add the device profile type for each model using the settings from section *3.1 BroadWorks Device Profile Type Configuration* if they do not exist.

Configure the device profile type *Signaling Address Type*, *Standard* and *Advanced* options settings to match the settings in section *3.1 BroadWorks Device Profile Type Configuration*.

Configure the device profile type *Device Management* options as shown in section *5.2.2.1 Configuration Method 1: Import*.

The following subsections identify the required settings specific to Device Management.

5.2.2.2.2 Define Device Profile Type Files

This section describes the BroadWorks Device Management configuration necessary to identify the configuration files and other files that the Yealink W60B IP DECT PHONE downloads.

To define the files, configuration templates, firmware and other files the W60B IP DECT PHONE uses, they must be uploaded to BroadWorks. Download the Yealink W60B CPE kit from BroadSoft Xchange at xchange.broadsoft.com. Extract the configuration files from the *Configuration Files* folder of CPE kit. Obtain the firmware files directly from Yealink.

The following table identifies the Yealink configuration files distributed with the version 80 CPE kit.

File Name	CPE Kit Template File Name	File Type	Description
		System-level, Device-specific, Static, Time Zone Alias	
Examples:			
BWMACADDRESS.cfg	*%BWMACADDRESS%.cfg*	Device-specific	This file contains device specific parameters that the phone needs to load.
config.bin	*config.bin*	static	This file contains the configuration items that the phone has configured.
contactData.xml	*contactData1.xml*	Static	This file contains the contact information in XML format.
DialNow.xml	*DialNow.xml*	Static	This file contains the blacklist contact information in XML format.
DialPlan.xml	*DialPlan.xml*	Static	Specifies the dialing rules.
AutoDST.xml	*AutoDST.xml*	Static	Rules set of the beginning and end of Day Light Savings Time.
TimeZoneAliasLabels_Yealink+<model>.properties	*TimeZoneAliasLabels_Yealink-<model>.properties*	Time Zone Alias	The Time zone Alias file is a BroadWorks Device Management file used to map time zone identifiers between BroadWorks and Yealink phones. A Time zone Alias file is required for each model.
WebItemsLevel.cfg	*WebItemsLevel.cfg*	Static	This file defines the access level of configuration items in cfg format.
super_search.xml	*super_search.xml*	Static	This file configures the search source list in dialing.

The following table identifies other files that the Yealink W60B IP DECT PHONE downloads from the server or uploads to the server. These files are not provided in the CPE kit and must be obtained from Yealink.

File Name	File Type	Description
x.x.x.x.rom	Static	Device firmware file.
%BWMACADDRESS%-local.cfg	Static	Supported upload Define, the configuration used to record the change of the phone.

Browse to *System → Resources → Identity/Device Profile Types → Files and Authentication* to add the files as described in the following subsections.

5.2.2.2.2.1 Device-specific Files

This section identifies the device-specific files used by Yealink and provides instructions for defining the files and uploading for Device Management.

W60B downloads a phone-specific file based on the phone's MAC address using the following file name format:

- <mac-address>.cfg

Add a BroadWorks device profile type file to Yealink W60B device profile with the settings shown in *Figure 13 %BWMACADDRESS%.cfg File* .

After creating the device profile type file, upload <mac-address>.cfg extracted from the CPE kit. Use the **Browse** button on the file definition screen. Be sure to click **Apply** after uploading the file.

Example Device-specific File Settings

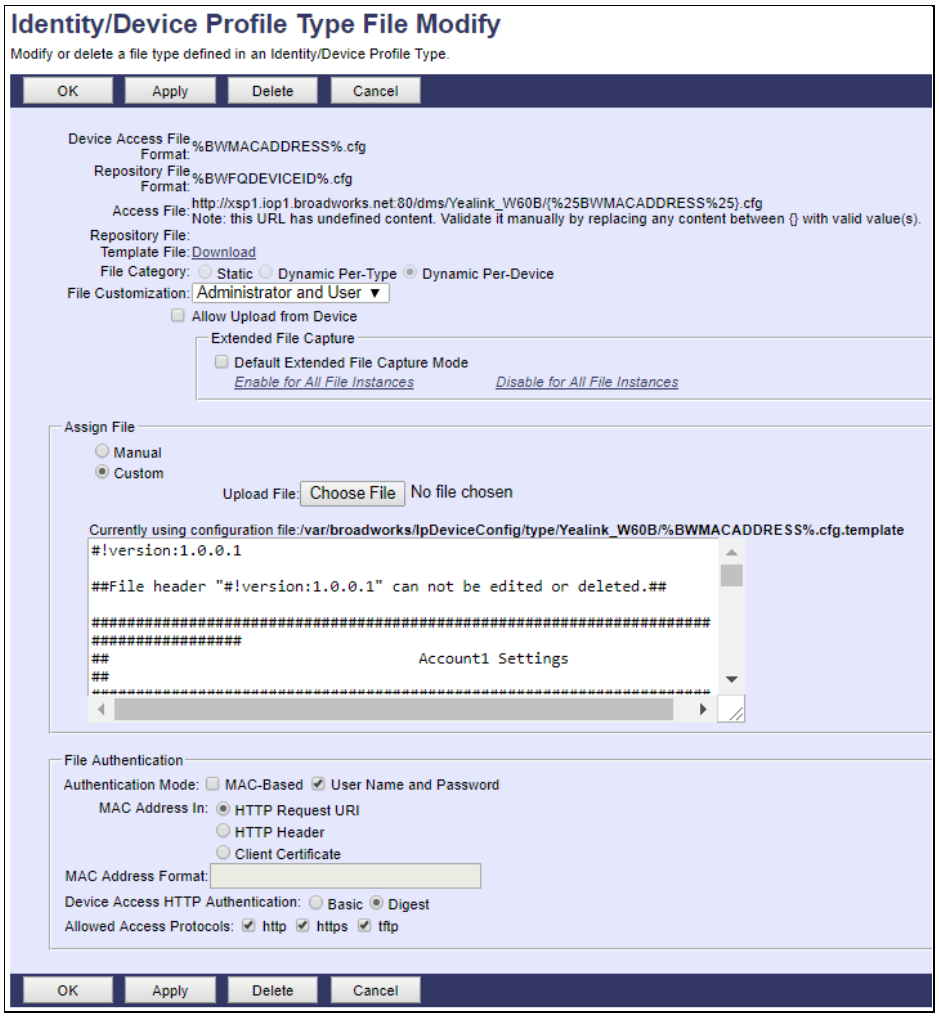

Figure 13 %BWMACADDRESS%.cfg File

5.2.2.2.2.2 Static Files

Static files are files such as firmware and media files that are not configurable and/or do not make use of the dynamic BroadWorks Device Management tags. The Yealink W60B requires the following static files:

- *<firmware-version>.rom*
- *contactData.xml*
- *config.bin*
- *AutoDST.xml*
- *DialPlan.xml*
- *DialNow.xml*
- *super_search.xml*
- *WebItemsLevel.cfg*

Add the static files to the device profile type with the settings shown in *Figure 14 Static File Settings*.

After creating the device profile type file, upload static files *extracted from the CPE kit or obtained from Yealink*. Use the **Browse** button on the file definition screen. Be sure to click **Apply** after uploading the file

Example Static File settings

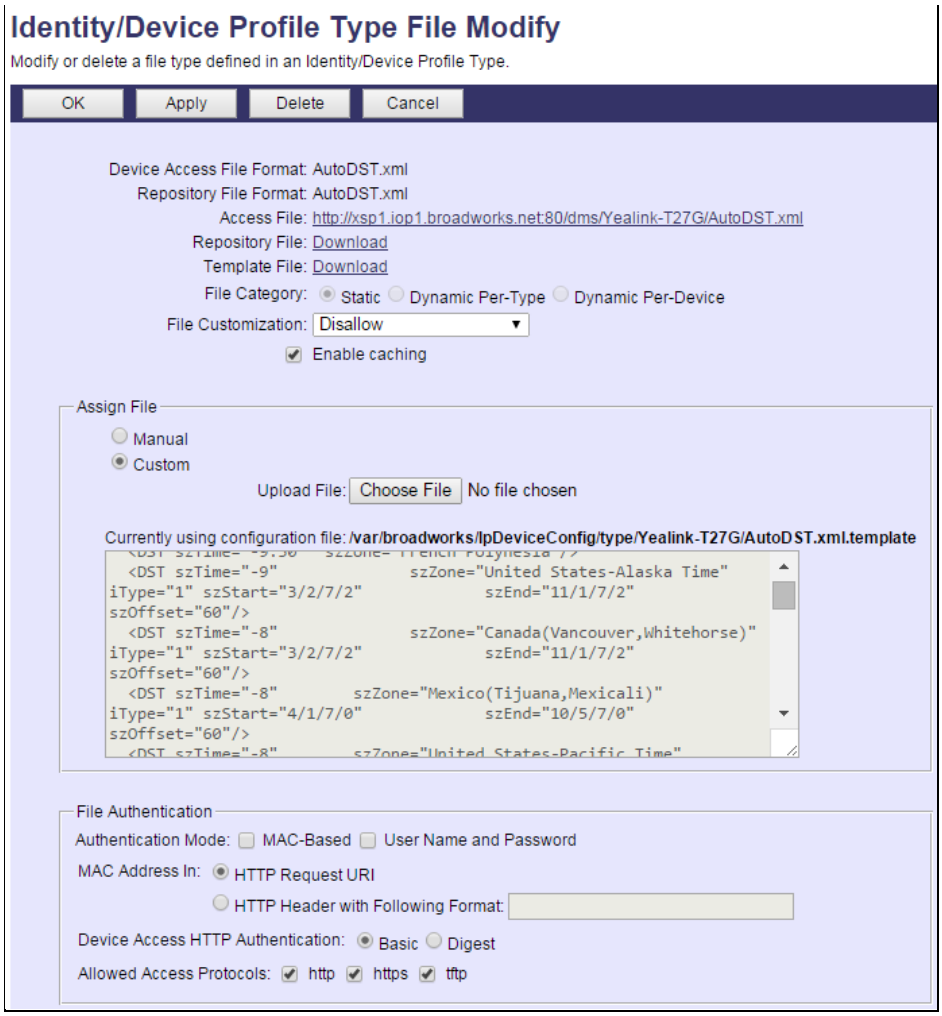

Figure 14 Static File Settings

5.2.2.2.3 *Time Zone Alias File*

The CPE kit contains a time zone properties file for each device model. This file maps the BroadWorks user's time zone settings to the device's time zone settings.

This time zone mapping file must be added to the */usr/local/broadworks/bw_base/conf/dms* directory on the Application Server using the following file name format:

- TimeZoneAliasLabels_<Device_Type_Name>.properties

For example, if the device type name is *Yealink_W60B,* the time zone mapping file name must be *TimeZoneAliasLabels_Yealink_W60B.properties*. A space in the device name must be converted to a "+" in the file name.

The file must contain the mapping of BroadWorks time zones values to Yealink time zone values. The following is an example of the file contents:

```
US_ALASKA=-9 cat
US_HAWAII=-10
CANADA_PACIFIC_TIME=-8
```

```
MEXICO_PACIFIC_TIME=-8
US_PACIFIC_TIME=-8
US_ARIZONA=-7
CANADA_MOUNTAIN_TIME=-7
MEXICO_MOUNTAIN_TIME=-7
US_MOUNTAIN_TIME=-7
CANADA_CENTRAL_TIME=-6
US_CENTRAL_TIME=-6
CANADA_EASTERN_TIME=-5
US_INDIANA=-5
US_EASTERN_TIME=-5
VENEZUELA_TIME=-4.5
CANADA_ALTANTIC_TIME=-4
CHILE_TIME=-4
CANADA_NEWFOUNDLAND=-3.5
ARGENTINA_TIME=-3
GREENWICH_MEAN_TIME=0
CENTRAL_EUROPEAN_TIME=+1
EASTERN_EUROPEAN_TIME=+2
EAST_AFRICAN_TIME=+3
IRAN_TIME=+3.5
AZERBAIJAN_TIME=+4
AFGHANISTAN_TIME=+4.5
PAKISTAN_TIME=+5
INDIA_TIME=+5.5
EASTERN_KAZAKHSTAN_TIME=+6
MYANMAR_TIME=+6.5
THAILAND_TIME=+7
CHINA_TIME=+8
JAPAN_TIME=+9
AUSTRALIAN_CENTRAL_STANDARD_TIME=+9.5
AUSTRALIAN_EASTERN_STANDARD_TIME=+10
NEWZEALAND_TIME=+12
```

This file should contain all the time zones supported by the Service Providers BroadWorks system. The Application server must be restarted to load this file.

The BroadWorks Application Server must be restarted for the TimeZoneAlias files to be picked up by the system.

5.2.2.2.4 Language Mapping

Language mapping is not provided for Yealink W60B.

5.2.3 Create Device Profile Instance

The previous sections defined the device profile type such that the system is ready to mass deploy device profiles. A device profile is an instance of the device profile type and defines the BroadWorks interface to an individual Yealink phone deployed at a user's desk.

Browse to the BroadWorks *<group>* → *Resources* → *Identity/Device Profiles* and select *Add* to add a new Yealink W60B IP DECT PHONE device profile. Configure the device profile as shown in the *Figure 15 Device Profile Instance*.

Example Identity/Device Profile Settings

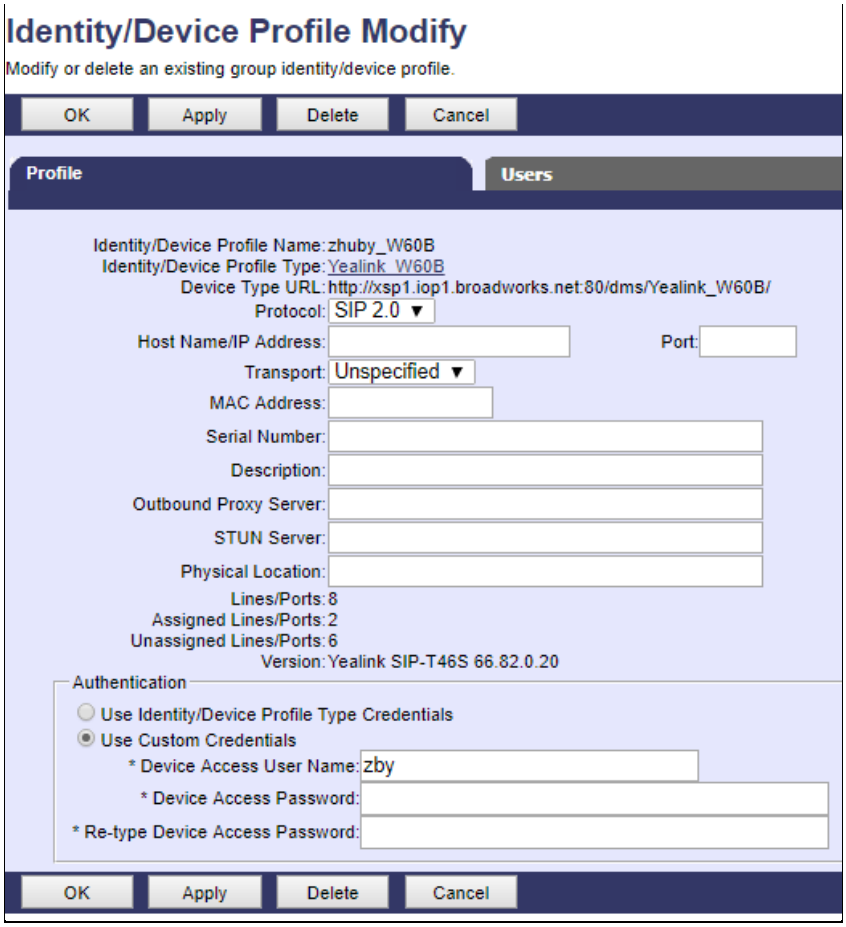

Figure 15 Device Profile Instance

For the Xtended Services Interface feature to be authenticated, it is necessary to override the Xtended Services Interface password for each of the lines at the device profile instance level. To override custom tags at the device profile instance level, click on the *Custom Tags* tab.

Figure 16 Device Profile Instance Custom Tags Override

Then click **Add** to add a custom tag with the following parameters:

Parameter	Value	Description/Notes
Tag Name	XSIPASSWORD-<line number> Example: XSIPASSWORD-1	This tag provides the Xsi password of the user for the line which is assigned to the phone. Line number is an integer corresponding to the phone line in assignment.
Tag Value	The user's Xsi password. Example: 123456	

Example device profile custom tag setting

Figure 17 Device Profile Instance Custom Tags Add

Repeat the tag adding process for each of the lines provisioned on the device.

5.2.4 Configure BroadWorks User

Configure the user with the desired BroadWorks configuration and services. Any services that require a specific configuration on the device are managed via Device Management and are defined in the device configuration files, if the template files are created with the correct Device Management tags.

The device profile created in the previous section must be assigned to the BroadWorks user. Assigning the device profile to the user automatically causes the Device Management feature to generate the device configuration files for this user's device.

To assign the device profile to the user, browse to the *BroadWorks <user> → Addresses*.

5.2.5 Configure Edge Device

In many deployments, an edge device is deployed on the enterprise edge. Configure the edge device SIP server setting with the service provider's Session Border Controller IP address or FQDN. If there is no edge device and the phones communicate directly with the service provider's SBC, skip this section.

To integrate the edge device with Device Management, the SBC address tag (%SBC_ADDRESS%) defined in section *5.2.1.1 Create System Default Tags* must be overridden at the group level with the LAN address of the edge device. At the *Group → Utilities → Device Configuration* page, select the Yealink device profile (example: Yealink-W60B). Perform the following steps.

1) Click on the *Custom Tags* tab.
2) Click the **Add** button.
3) Add the *SBC* tag.
4) Enter "SBC_ADDRESS" as the tag.
5) Enter the IP address as the value (edge device LAN IP address).
6) Click **OK** to save the tag data.

This Tag/Value will be applied to all Yealink W60B phones in the group using the modified *Device Profile Type*.

5.2.6 Configure Yealink W60B IP DECT PHONE

This section describes the steps necessary to configure the Yealink W60B to integrate with BroadWorks Device Management.

The phone must be configured with the Device Management URL and authentication user name and password. This configuration can be done as described in the following sections:

- *5.2.6.1 Manual Provisioning*
- *5.2.6.2 No Touch Provisioning via BroadWorks Device Management*
- *5.2.6.3 No Touch Provisioning via Yealink Redirect Service*

5.2.6.1 Manual Provisioning

5.2.6.1.1 Check Enterprise/Business DHCP Server Settings

The Yealink phone uses the file server parameters configured on the phone unless *Option 66* has been defined on the DHCP server. If the DHCP server returns data set for the *Option 66* parameter, then the Yealink phone uses the address defined in this field as the server address to retrieve its configuration data.

When using manual provisioning, to make sure that the phone interfaces properly with Device Management, the *Option 66* parameter must not be set on the DHCP server. If *Option 66* is defined and cannot be cleared, then the Zero Active parameter in the DHCP menu must be set to "Disabled". This parameter is set at boot time by accessing the web user interface.

1) Click the **Settings** tab.
2) In the *Zero Active* drop-down box, select *Disabled*.
3) Confirm the configuration changes and start the phone initialization.

5.2.6.1.2 Provision Manual Device Management Settings

Log in to the web user interface for the Yealink W60B Phone (https://<phone-ip-address>). Go to the *Settings → Auto Provision* web page and set the following:

- Power On – On
- URL – Device Management server (Xtended Services Platform) device address URL

  (Example: http(s)://xsp1.broadworks.net:80/dms/Yealink_W60B/)
- HTTP Authentication:

  User Name – BroadWorks Device Access (Example: yealink)

  Password – BroadWorks Device Access Password (Example: 123456)

Restart the phone to force the phone to download the Device Management configuration files and firmware.

Example Login (Default User Name/Password is "admin/admin")

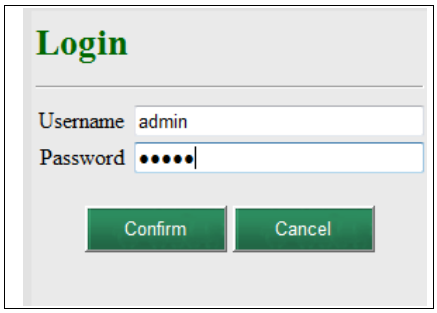

Figure 18 Login Screen

Example Auto Provision web page

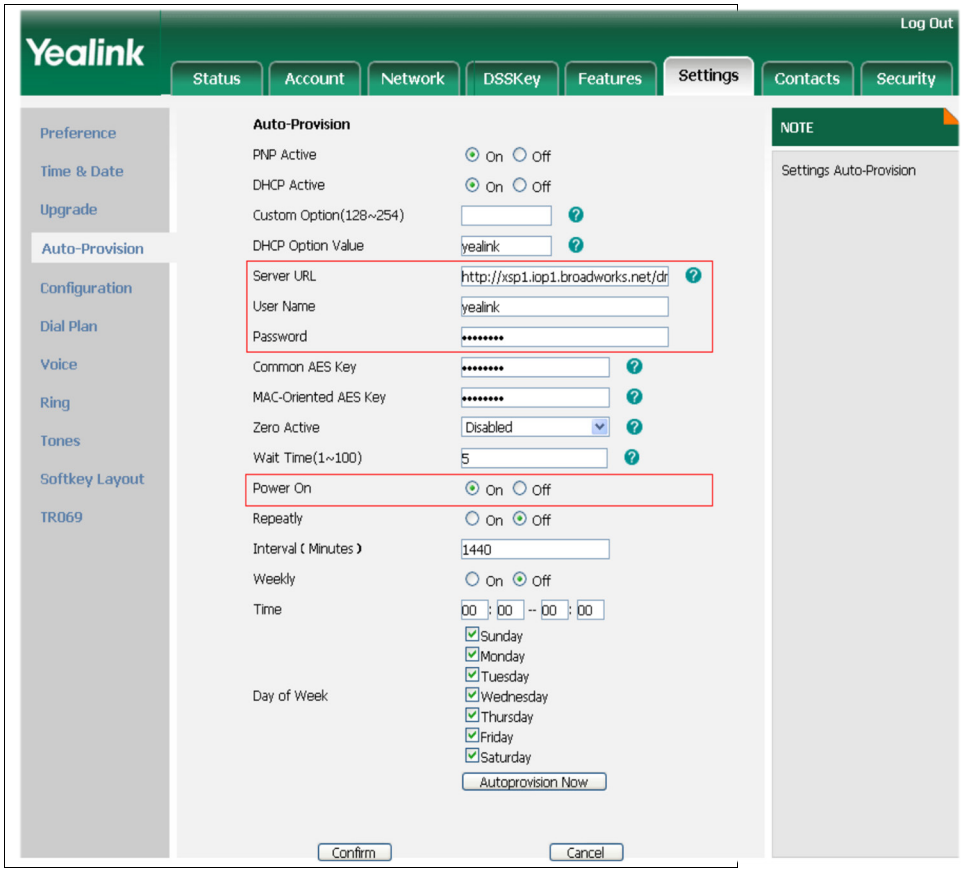

Figure 19 Upgrade Screen

After all parameters are entered, click the **Save** button. Allow the phone to reboot and retrieve the new configuration parameters from Device Management.

5.2.6.2 No Touch Provisioning via BroadWorks Device Management

The No Touch Provisioning method via BroadWorks Device Management uses DHCP and Device Management default configuration files. This enables configuration of the phone out-of-the-box without pre-provisioning before sending it to a customer's site.

No Touch Provisioning is done using the DHCP options provided by the end customer's DHCP server. The steps are as follows:

1) The phones are shipped to the end customer without pre-provisioning.
2) The end customer's DHCP server is configured with *Option 66* with the default Device Management URL.
3) The phone is plugged in and it receives the default Device Management URL from the DHCP server.
4) The phone queries for the default product file from Device Management.
5) The phone receives the default device file from Device Management and provisions the phone with the physical Device Management URL for the specific device model.
6) The phone resynchronizes with Device Management and prompts Zero Touch Update.

7) The end user or administrator enters the device management credentials into the Auto Provision username and password fields.

8) The phone resynchronizes with Device Management and downloads the files associated with the credentials supplied via the above step.

Device Management must be configured to facilitate the No Touch Provisioning method. Configuration can be performed using the Device Management import function or done manually. Each method is described in the following subsections

5.2.6.2.1 Configuration Method 1: Import

This section identifies the steps necessary to make use of the Device Management import feature to configure BroadWorks to add the Device Management Defaults device type for No Touch Provisioning.

The import method is available in BroadWorks Release 17.0 and later. For previous releases, use the manual configuration method described in the next section.

Download the Yealink W60B CPE kit from BroadSoft Xchange at www.broadsoft.com/xchange. Extract the *DeviceManagementDefaults.DTAF.zip* file from the CPE kit. This is the import file.

Log in to BroadWorks as an administrator. Browse to *System* → *Resources* → *Identity/Device Profile Types* and select *Import*. Select *Browse* to find the extracted DTAF file and click **OK** to start the import.

After the import finishes, the following post-import configuration steps must be completed.

Browse to *System* → *Resources* → *Identity/Device Profile Types* and perform a search to find the imported *DeviceManagementDefaults* device profile type. Browse to the *Profile* page and change the Device Management Device Access FQDN to your Xtended Services Platform or Xtended Services Platform cluster address.

Example:

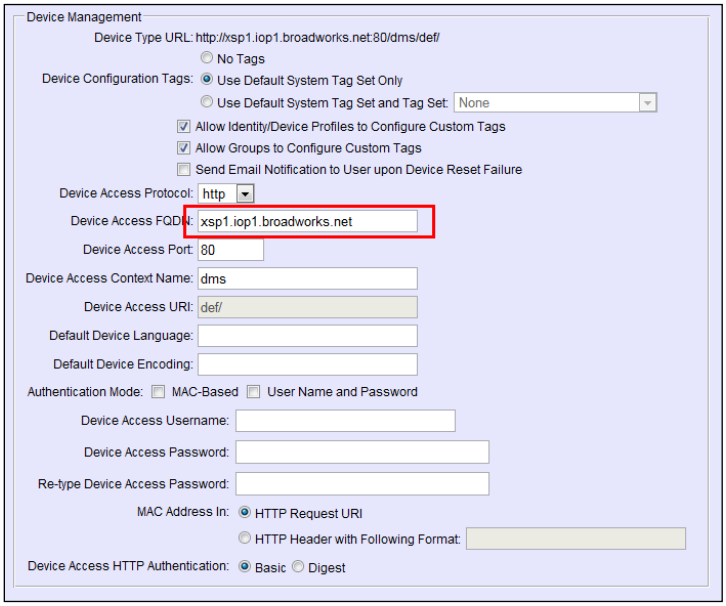

Figure 20 Device Access FQDN

Next, using the *Files and Authentication* link, select the option to rebuild all the system files.

5.2.6.2.2 Configuration Method 2: Manual

This section identifies the manual steps necessary configure BroadWorks to add the Device Management Defaults device type for No Touch Provisioning.

The manual method must be used for BroadWorks releases prior to Release 17.0. It is an optional method in Release 17.0 and later. The steps in this section can also be followed to update previously imported or configured device profile type(s) with new configuration files and firmware.

5.2.6.2.2.1 Create Default Device Profile Type

A Device Management default device profile type must be created. This device profile type can be configured to serve default provisioning files to Yealink W60B endpoints, as well as other vendor devices.

Create a default device profile type as shown in the following figure. Only the device management settings are important in this context since the profile type is used only to serve default provisioning files. The standard and advanced settings do not matter.

5.2.6.2.2.1.1 Configure Standard Options

The device profile type name and standard options do not matter, but an example is provided for reference. All settings can be left with their default values.

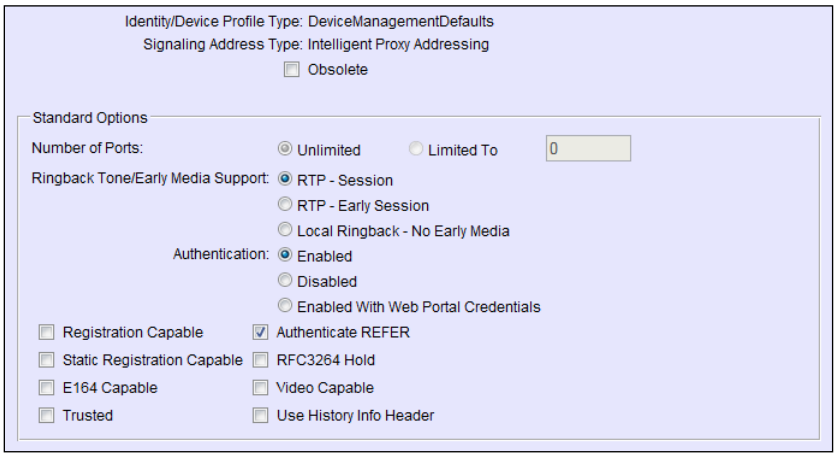

Figure 21 Default Device Profile Type

5.2.6.2.2.1.2 Configure Advanced Options

The advanced options do not matter, but an example is provided for reference. All settings can be left with their default values.

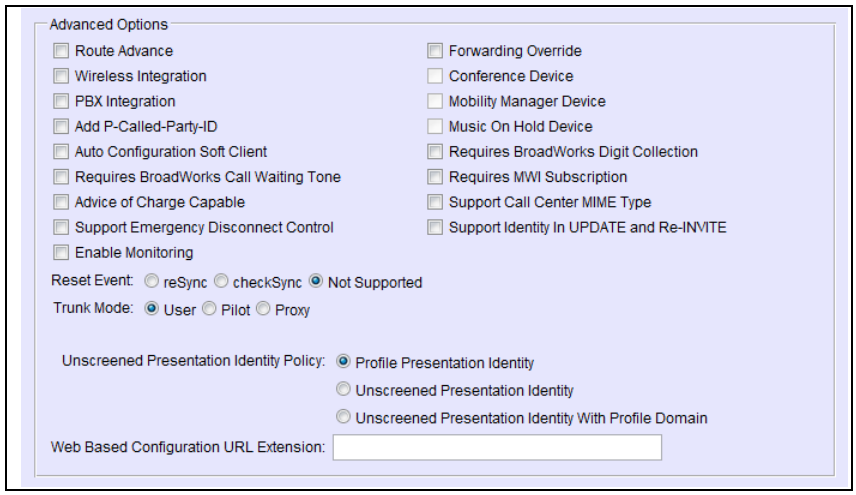

Figure 22 Configure Advanced Options

5.2.6.2.2.1.3 Configure Device Management Options

Configure the device profile type *Device Management Options* as directed in the following table. These are common settings, which apply to all devices enabled for Device Management.

Parameters not identified in the following table can usually be left with their default values.

Parameter	Value	Description
Device Configuration Tags	Use Default System Tag Set Only	
Allow Identity/Device Profiles to Configure Custom Tags	Checked	Optional
Allow Groups to Configure Custom Tags	Checked	Optional
Device Access Protocol	http	
Device Access FQDN	<BroadWorks-XSP-Cluster-Address> Example: xsp.iop1.broadworks.net	If using an Xtended Services Platform farm, set this to the Xtended Services Platform cluster FQDN. Otherwise, set it to the individual Xtended Services Platform FQDN or IP address.
Device Access Port	<BroadWorks-XSP-Port> Example: 80	This should be set to “80”.
Device Access Context Name	dms	This does not need to be defined. BroadWorks defaults to the system-defined value.
Device Access URI	def	This defines the directory the Xtended Services Platform uses to access the default configuration files.

Example *Device Management Options* settings:

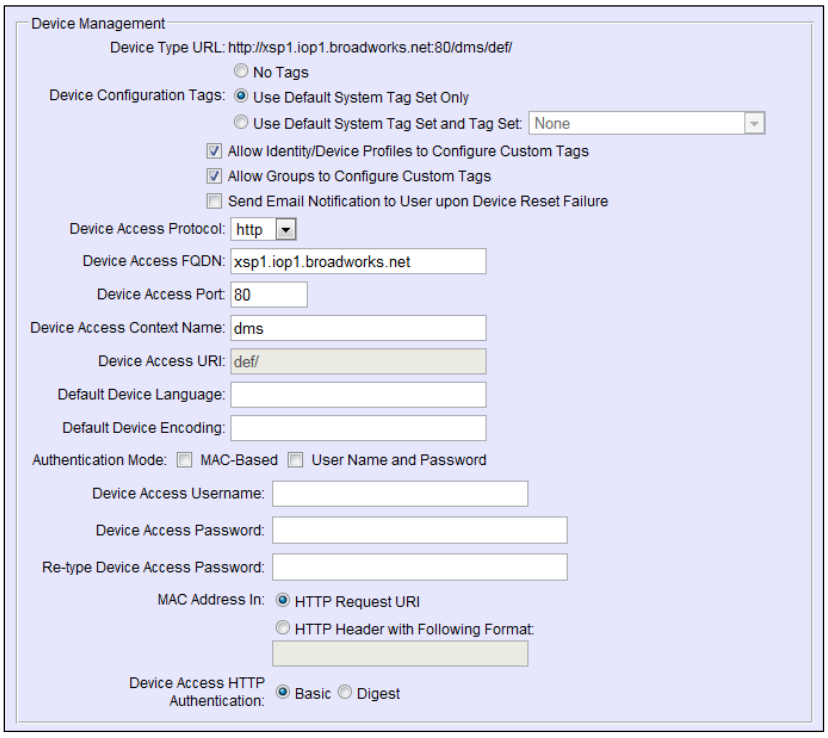

Figure 23 Device Management Options Settings

5.2.6.2.2.2 Define Device Profile Type Files

This section describes the BroadWorks Device Management configuration necessary to identify the configuration files used to enable the *DeviceManagementDefaults* device type for Yealink W60B device. The files must be defined as described in the following sections:

y000000000077.cfg

Add the static files to the device profile type with the settings shown in the following figure.

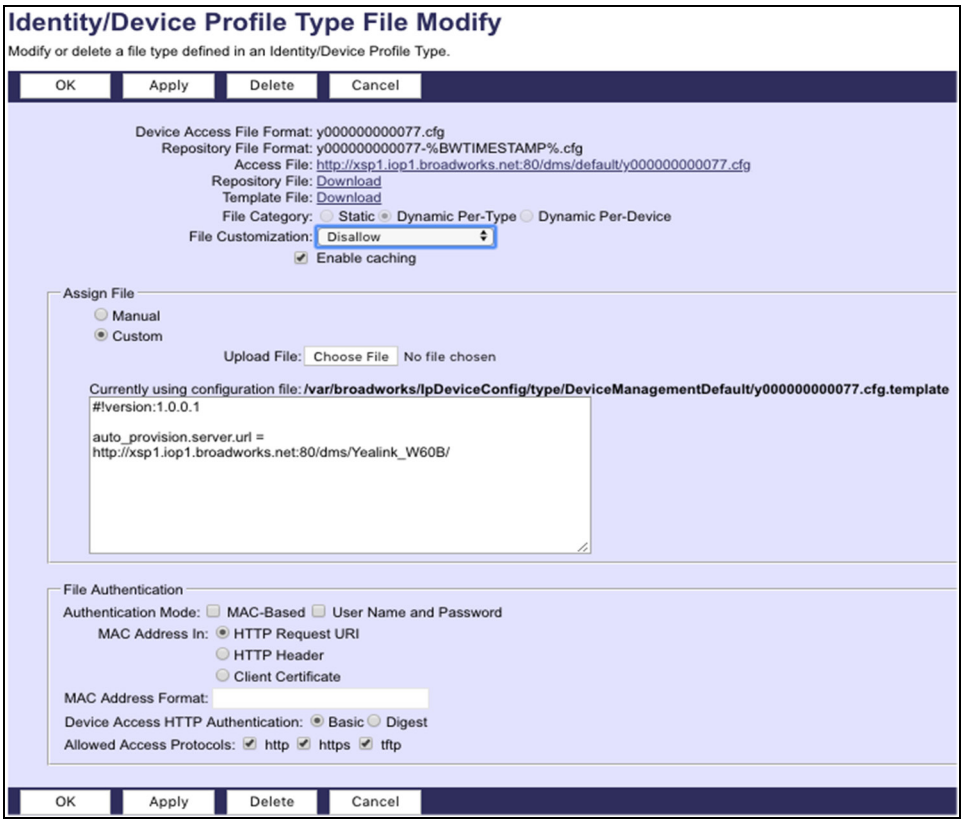

Figure 24 Default y000000000077.cfg

5.2.6.2.3 *DHCP Server Configuration (BroadWorks Default) and Redirect Events*

Configure the end customer's DHCP server with *Option 66/43* containing the default BroadWorks Device Management URL as *http://<Device Access FQDN>:<Device Access Port>/ <Device Access Context Name>/def*.

Example:

```
option BWRedir code 43 = string;

subnet 10.2.0.0 netmask 255.255.255.0 {
option subnet-mask 255.255.255.0;
option domain-name-servers 10.2.0.29;
option routers 10.2.0.1;
option BWRedir "http://xsp1.iop1.broadworks.net/dms/def/"
}
```

Yealink W60B starts the provisioning process by following this default BroadWorks Device Management URL to obtain an initial configuration redirect. The following steps detail the phone's sequence to become fully provisioned on BroadWorks after receiving the redirect from BroadWorks.

1) The phone does initial resynchronization with Device Management and downloads the default file from location specified in DHCP offer.
2) The phone displays configuration wizard on the phone screen.
3) The end user or administrator follows the wizard and enters the device username and password using the user interface on the phone.

4) The phone resynchronizes with Device Management and downloads the file(s) associated with the credentials supplied via the previous step.

5.2.6.2.4 *DHCP Server Configuration (Direct DM Location) and Redirect Events*

Configure the end customer's DHCP server with *Option 66/43* containing the direct Yealink Device Management URL as *http://<Device Access FQDN>:<Device Access Port>/ <Device Access Context Name>/Yealink_W60B/.*

Example:

```
option BWRedir code 43 = string;

subnet 10.2.0.0 netmask 255.255.255.0 {
option subnet-mask 255.255.255.0;
option domain-name-servers 10.2.0.29;
option routers 10.2.0.1;
option BWRedir "http://xsp1.iop1.broadworks.net/dms/Yealink_W60B/"
}
```

Yealink W60B starts the provisioning process by following Yealink Device Management URL to obtain the device configuration files. The following steps detail the phone's sequence to become fully provisioned on BroadWorks after receiving the direct URL from BroadWorks.

1) The phone does initial resynchronization with Device Management and downloads the configuration file from location specified in DHCP offer.
2) The end user or administrator enters the device username and password using the user interface on the phone.
3) The phone resynchronizes with Device Management and downloads the file(s) associated with the credentials supplied via the previous step.

5.2.6.3 No Touch Provisioning via Yealink Redirect Service

Yealink Device Management Redirect is a web redirect service hosted by Yealink. It works in conjunction with the BroadWorks Device Management Redirect. Hence, prior to device deployment, the administrator is required to login to Yealink's web portal to associate each device based on the MAC address to the default BroadWorks Device Management URL. At boot time, the Yealink W60B phones automatically queries the Yealink Device Management Redirect service for the associated BroadWorks URL. The Yealink W60B finally completes the provisioning process as detailed in the previous section. For more information about the Yealink Device Management Redirect service, go to https://rps.yealink.com/.

NOTE: If a secured (HTTPS) connection is required, then install the CA certificates or set the *security → trusted_certificates* to "disable" and restart the phone.

5.3 Upgrade from Previous CPE Kits

The previous configuration sections are primarily structured around importing or manually configuring the Yealink W60B device profile types for the first time. Many of the steps are unnecessary when upgrading to a new firmware release or CPE kit version.

For general instructions on upgrading, see *BroadWorks CPE Kit Usage Guide* [8].

Appendix A: Reference W60B Configuration Files

NOTE: The following samples are examples and should be used as a reference only. DO NOT CUT AND PASTE THESE EXAMPLES TO GENERATE YOUR CONFIGURATION FILES. Use the configuration files obtained from Yealink with the specific release to generate your configuration files.

Device-specific File: %BWMACADDRESS%.cfg

NOTE: This is an example file and it should be used for reference only.

```
#!version:1.0.0.1

##File header "#!version:1.0.0.1" can not be edited or deleted.##

##############################################################################
#############
##                                    Network
##
##############################################################################
#############


#Enable or disable the VLAN of WAN port; 0-Disabled(default), 1-Enabled;
#Require reboot;
static.network.vlan.internet_port_enable =

#Configure the VLAN ID, it ranges from 1 to 4094, the default value is 1.
#Require reboot;
static.network.vlan.internet_port_vid =

#Configure the VLAN priority, it ranges from 0 (default) to 7.
#Require reboot;
static.network.vlan.internet_port_priority =

#Enable or disable the DHCP to obtain the information of the VLAN; 0-
Disabled; 1-Enabled (default);
#Require reboot;
static.network.vlan.dhcp_enable =

#Configure the DHCP option to obtain the information of the VLAN. It
ranges from 0 to 255.
#Multiple options separated by a comma. It supports up to 5 options in
all.
#Require reboot;
static.network.vlan.dhcp_option =

static.network.vlan.vlan_change.enable =

#Configure the HTTP port (80 by default) and the HTTPS port (443 by
default) of the web server. Both range from 1 to 65535.
#Require reboot;
static.network.port.http =
static.network.port.https =
```

```
#Configure the maximum local RTP port. It ranges from 0 to 65535, the
default value is 12780.
#Require reboot;
static.network.port.max_rtpport =

#Configure the minimum local RTP port. It ranges from 0 to 65535, the
default value is 11780.
#Require reboot;
static.network.port.min_rtpport =

#Configure the SIP QOS. It ranges from 0 to 63, the default value is 26.
#Require reboot;
static.network.qos.signaltos =

#Configure the 802.1x mode; 0-Disabled (default), 1-Enabled (EAP-MD5);
#Require reboot;
static.network.802_1x.mode =

#Configure the username and password for 802.1x authentication.
#Require reboot;
static.network.802_1x.identity =
static.network.802_1x.md5_password =

static.network.802_1x.client_cert_url =
static.network.802_1x.root_cert_url =

#Enable or disable the VPN feature; 0-Disabled (default), 1-Enabled;
#Require reboot;
static.network.vpn_enable =

#Enable or disable the LLDP feature; 0-Disabled, 1-Enabled (default);
#Require reboot;
static.network.lldp.enable =

#Configure the interval (in seconds) the phone broadcasts the LLDP
request. It ranges from 1 to 3600, the default value is 60.
#Require reboot;
static.network.lldp.packet_interval =

static.network.attempt_expired_time =

static.network.static_dns_enable =

static.network.cdp.enable =
static.network.cdp.packet_interval =
static.network.qos.audiotos =
static.network.mtu_value =
##############################################################################
#############
##                                  Syslog Server
##
##############################################################################
#############
static.local_log.enable =
static.local_log.level =
static.local_log.max_file_size =


static.syslog.enable =
static.syslog.level =
static.syslog.transport_type =
static.syslog.prepend_mac_address.enable =
```

```
static.syslog.facility =
static.syslog.server =
static.syslog.server_port =


##############################################################################
#############
##                                    RTCP-XR
##
##############################################################################
#############

voice.rtcp_xr.enable =
phone_setting.vq_rtcpxr.session_report.enable =
phone_setting.vq_rtcpxr.interval_report.enable =
phone_setting.vq_rtcpxr_interval_period =
phone_setting.vq_rtcpxr_moslq_threshold_warning =
phone_setting.vq_rtcpxr_moslq_threshold_critical =
phone_setting.vq_rtcpxr_delay_threshold_warning =
phone_setting.vq_rtcpxr_delay_threshold_critical =
phone_setting.vq_rtcpxr.states_show_on_web.enable =


voice.rtcp.enable =
voice.rtcp_cname =

##############################################################################
#############
##                                    Auto Provisioning
##
##############################################################################
#############

#Enable or disable the Plug and Play feature; 0-Disabled, 1-
Enabled(default);
static.auto_provision.pnp_enable =

#Enable or disable the phone to check new configuration when powered on;
0-Disabled, 1-Enabled (default);
static.auto_provision.power_on =

#Enable or disable the phone to check the new configuration repeatedly; 0-
Disabled (default), 1-Enabled;
static.auto_provision.repeat.enable =

#Configure the interval (in minutes) the phone repeatedly checks the new
configuration. The default is 1440.
static.auto_provision.repeat.minutes =

#Enable or disable the phone to check the new configuration weekly; 0-
Disabled (default), 1-Enabled;
static.auto_provision.weekly.enable =

#Configure the week time the phone checks the new configuration.
Applicable when the auto provisioning mode is configured as weekly or
power on + weekly.
static.auto_provision.weekly.dayofweek =
static.auto_provision.weekly.begin_time =
static.auto_provision.weekly.end_time =

#Configure the URL of the auto provisioning server.
```

```
static.auto_provision.server.url =
http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BWDEVICEA
CCESSURI%



#Enable or disable the DHCP option mode; 0-Disabled, 1-Enabled (default);
static.auto_provision.dhcp_option.enable =

#Configure the value (manufacturer of the device) of DHCP option 60.
static.auto_provision.dhcp_option.option60_value =

#Configure the custom DHCP option number. It ranges from 128 to 254.
static.auto_provision.dhcp_option.list_user_options =

#Configure AES key (16 characters) for decrypting the common CFG file.
static.auto_provision.aes_key_16.com =

#Configure AES key (16 characters) for decrypting the MAC-Oriented CFG
file.
static.auto_provision.aes_key_16.mac =

static.auto_provision.custom.upload_method =
static.auto_provision.custom.protect =
static.auto_provision.custom.sync =

static.auto_provision.url_wildcard.pn =

static.auto_provision.reboot_force.enable =

static.auto_provision.attempt_expired_time =

##############################################################################
#############
##                                  XML
##
##############################################################################
#############
push_xml.sip_notify=

##############################################################################
#############
##                                     Phone Features
##
##############################################################################
#############

#Enable or disable the phone to keep sending the SIP messages to the
outbound server; 0-Disabled, 1-Enabled (default);
sip.use_out_bound_in_dialog =

#Configure the registration random time (in seconds). It ranges from 0
(default) to 60.
sip.reg_surge_prevention =

#Enable or disable the transferee to display the missed call prompt when
receiving a semi_attended transfer call;
#0-Disabled, 1-Enabled (default);
transfer.semi_attend_tran_enable =

#Enable or disable the phone to complete the blind or attended transfer
through on-hook;
```

```
#0-Disabled (default), 1-Enabled;
transfer.blind_tran_on_hook_enable =
transfer.on_hook_trans_enable =

#Enable or disable to access the web user interface of phone using the
http/https protocol;
#0-Disabled,1-Enabled (default);
#Require Reboot;
static.wui.https_enable =
static.wui.http_enable =
wui.secure_domain_list =

sip.send_response_by_request =
sip.use_23_as_pound =
sip.rfc2543_hold =
sip.notify_reboot_enable = 1
phone_setting.emergency.number =
features.voice_mail_tone_enable =
features.busy_tone_delay =
features.direct_ip_call_enable =
features.intercom.headset_prior.enable =
features.key_as_send =

phone_setting.ringing_timeout =
phone_setting.ringback_timeout =
phone_setting.end_call_on_hook.enable =
features.caller_name_type_on_dialing =
forward.international.enable =
features.fwd_diversion_enable =
features.reboot_in_talk_enable =
static.features.custom_factory_config.enable =
features.call_num_filter =
features.rtp_symmetric.enable =
features.voice_mail_alert.enable =
phone_setting.warnings_display.mode =

##############################################################################
#############
##                                    Echo Cancellation
##
##############################################################################
#############
voice.vad =
voice.cng =


##############################################################################
#############
##                                    Jitter Buffer
##
##############################################################################
#############
voice.jib.adaptive =
voice.jib.min =
voice.jib.max =
voice.jib.normal =

##############################################################################
#############
##                                    Security Settings
##
```

```
##############################################################################
#############

#Enable or disable the phone to only accept the certificates in the
Trusted Certificates list;
#0-Disabled, 1-Enabled (default);
static.security.trust_certificates =

#Set the password of the user or the administrator, the value format is:
user:password or admin:password;
#static.security.user_password = admin:admin
static.security.user_password =

static.security.user_name.user =
static.security.user_name.admin =
static.security.user_name.var =

base.pin_code =

base.double_pin_code.enable =
base.pin_code_for_register =

#0-Default Cert, 1-Custom Cert, 2-All Cert(default);
static.security.ca_cert =

#0-Disabled (default), 1-Enabled;
static.security.dev_cert =

#0-Disabled (default), 1-Enabled;
static.security.cn_validation =

static.phone_setting.reserve_certs_enable =
static.security.default_ssl_method =

##############################################################################
#############
##                                    Dial Plan
##
##############################################################################
#############

#Configure the area code.
dialplan.area_code.code =
dialplan.area_code.min_len =
dialplan.area_code.max_len =

#When applying the rule to multiple lines, each line ID separated by
comma.
#e.g. dialplan.area_code.line_id = 1, 2, 3
dialplan.area_code.line_id =

#Configure the block out number. X ranges from 1 to 10.
#dialplan.block_out.number.x =
dialplan.block_out.number.1 =

#When applying the rule to multiple lines, each line ID separated by
comma, e.g. 1,2,3.
#dialplan.block_out.line_id.x =
dialplan.block_out.line_id.1 =

#Configure the replace rule. X ranges from 1 to 10;
#dialplan.replace.prefix.x =
```

```
#dialplan.replace.replace.x =
#dialplan.replace.line_id.x =

dialplan.replace.prefix.1 =
dialplan.replace.replace.1 =
dialplan.replace.line_id.1 =

###X ranges from 1 to 100
###dialplan.dialnow.rule.X =
###dialplan.dialnow.line_id.X =
dialplan.dialnow.line_id.1 =
dialplan.dialnow.rule.1 =
#dialplan_dialnow.url =
http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BWDEVICEA
CCESSURI%dialnow.xml
phone_setting.dialnow_delay =
##############################################################################
#############
##                                    Phone Settings
##
##############################################################################
#############
features.dnd.allow =
features.fwd.allow =

#Configure the return code when activating DND; 404-No Found, 480-
Temporarily not available (default), 486-Busy here;
features.dnd_refuse_code =

#Configure the return code when refusing a call. The valid values are 404,
480, 486 (default).
features.normal_refuse_code =

#Enable or disable the call waiting feature; 0-Disabled, 1-Enabled
(default);
call_waiting.enable = %CALL_WAITING_BINARY%

#Enable or disable the playing of call waiting tone; 0-Disabled, 1-Enabled
(default);
call_waiting.tone =

call_waiting.off_code =
call_waiting.on_code =

#Enable or disable the phone to save the call history; 0-Disabled, 1-
Enabled (default);
features.save_call_history =

#Configure the overtime (in minutes) of logging web user interface. It
ranges from 1 to 1000, the default value is 5.
features.relog_offtime =

#Enable or disable the phone to deal the 180 SIP message after the 183 SIP
message; 0-Disabled, 1-Enabled (default);
phone_setting.is_deal180 =

phone_setting.call_info_display_method =
phone_setting.called_party_info_display.enable =
phone_setting.disable_account_without_username.enable =
phone_setting.end_call_net_disconnect.enable =
```

```
##############################################################################
#############
##                                    Power Led Settings
##
##############################################################################
#############
phone_setting.missed_call_power_led_flash.enable =
phone_setting.common_power_led_enable =
phone_setting.ring_power_led_flash_enable =
phone_setting.mail_power_led_flash_enable =

##############################################################################
#############
##                                    Base_Upgrade
##
##############################################################################
#############
static.firmware.url =
http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BWDEVICEA
CCESSURI%%W60B_FIRMWARE%


##############################################################################
#############
##                                   Handset_upgrade
##
##############################################################################
#############

over_the_air.url.w52h =
over_the_air.url.w56h =
over_the_air.url.cp930w =
over_the_air.base_trigger =
over_the_air.handset_tip =

##############################################################################
#############
##                                    SIP Advanced
##
##############################################################################
#############

static.sip.nat_stun.enable =
static.sip.nat_stun.port =
static.sip.nat_stun.server =
sip.timer_t1 =
sip.timer_t2 =
sip.timer_t4 =
sip.tls_listen_port =
sip.trust_ctrl =
sip.disp_incall_to_info =
sip.listen_port = 5060
sip.request_validation.source.list =
sip.request_validation.digest.list =
sip.request_validation.event =
sip.request_validation.digest.realm =
sip.cid_source.preference =

##############################################################################
#############
##                                    Certificates
##
```

```
##############################################################################
#############
#static.trusted_certificates.url =
http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BWDEVICEA
CCESSURI%ca.crt


#trusted_certificates.delete = http://localhost/all,delete all the trusted
certificates;
static.trusted_certificates.delete =

#static.server_certificates.url =
http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BWDEVICEA
CCESSURI%server.pem


#server_certificates.delete = http://localhost/all, delete the server
certificate;
static.server_certificates.delete =


##############################################################################
#############
##                                    User Mode
##
##############################################################################
#############
static.security.var_enable =
#static.web_item_level.url =
http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BWDEVICEA
CCESSURI%WebItemsLevel.cfg

static.security.default_access_level =
##############################################################################
#############
##                                    Local Contact/DST Time/Replace Rule
##
##############################################################################
#############
#dialplan_replace_rule.url =
http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BWDEVICEA
CCESSURI%DialPlan.xml
#blacklist.url =
http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BWDEVICEA
CCESSURI%blacklist.xml
#handset.1.contact_list.url =
http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BWDEVICEA
CCESSURI%contactData1.xml


##############################################################################
#############
##                                    Customized Factory Configurations
##
##############################################################################
#############
#Configure the access URL for downloading the customized factory
configurations;
#static.custom_factory_configuration.url =
http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BWDEVICEA
CCESSURI%factory.cfg
```

```
#static.configuration.url =
http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BWDEVICEA
CCESSURI%config.bin


##It configures the access URL of the custom MAC-Oriented CFG file.
##The default value is blank.
static.custom_mac_cfg.url =

##############################################################################
#############
##                                    OpenVPN
##
##############################################################################
#############
#Configure the access URL for downloading the open VPN tar;
static.openvpn.url =


##############################################################################
#############
##                                    Contacts
##
##############################################################################
#############
#Configure the access URL and dispaly name of the remote phonebook. X
ranges from 1 to 5.
#remote_phonebook.data.1.url =
http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BWDEVICEA
CCESSURI%
remote_phonebook.data.1.name =
remote_phonebook.display_name =

features.remote_phonebook.enable =
features.remote_phonebook.flash_time =
features.remote_phonebook.enter_update_enable =

directory.search_default_input_method =

super_search.recent_call =
#super_search.url =
http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BWDEVICEA
CCESSURI%super_search.xml

directory.search_type =

sip.authentication_for_xsi =
search_in_dialing.history.enable =

##############################################################################
#############
##                                    LDAP
##
##############################################################################
#############
##It enables or disables LDAP feature.0-Disabled,1-Enabled.
##The default value is 0.
ldap.enable =

ldap.customize_label =

##It configures the criteria for searching the contact name attributes.
```

```
##The default value is blank.
ldap.name_filter =

##It configures the criteria for searching the contact number attributes.
##The default value is blank.
ldap.number_filter =

##It configures the IP address or domain name of the LDAP server.
##The default value is blank.
ldap.host =

##It configures the port of the LDAP server.
##The default value is 389.Integer from 1 to 65535.
ldap.port =

##It configures the LDAP search base which corresponds to the location of
the LDAP phonebook.
##Example:ldap.base = dc=yealink,dc=cn.
##The default value is blank.
ldap.base =

##It configures the user name for accessing the LDAP server.
##The default value is blank.
ldap.user =

##It configures the password for accessing the LDAP server.
##The default value is blank.
ldap.password =

##It configures the maximum of the search results returned by the LDAP
server to be displayed.
##The default value is 50.Integer from 1 to 32000.
ldap.max_hits =

##It configures the name attributes of each record to be returned by the
LDAP server.
##Multiple attributes are separated by spaces.Example:ldap.name_attr =sn
cn.
##The default value is blank.
ldap.name_attr =

##It configures the number attributes of each record to be returned by the
LDAP server.
##Multiple attributes are separated by spaces.Example:ldap.numb_attr =
Mobile ipPhone.
##The default value is blank.
ldap.numb_attr =

##It configures the display name of the contact record displayed on the
LCD screen.
##The default value is blank.
ldap.display_name =

##It configures the LDAP version.
##The default value is 3.
ldap.version =

##It enables or disables the phone to perform an LDAP search when
receiving an incoming call.
##0-Disabled,1-Enabled.
##The default value is 0.
ldap.call_in_lookup =
```

```
##It enables or disables the phone to sort the search results in
alphabetical order or numerical order.
##0-Disabled,1-Enabled.
##The default value is 0.
ldap.ldap_sort =
##It is the electricity + start, automatic search + 00 the beginning and
the beginning of the numbe
##The default value is 0.(0-Disable,1-Enable )
ldap.incoming_call_special_search.enable =
##The default value is 0,value of 0 to 2, respectively the ldap, ldap +
StarTLS and ldaps
ldap.tls_mode =
ldap.call_out_lookup =


##############################################################################
#############
##                                    bluetooth
##
##############################################################################
#############
bluetooth.connect_confirm.enable
static.bluetooth.function.enable


features.sd_card_call_recording.enable


##############################################################################
#############
##                                    Number Assignment
##
##############################################################################
#############
#The line accept to incoming(1,2,3,4,5,6,7,8);X ranges from 1 to 8
#handset.X.incoming_lines = 1,2,3,4,

handset.1.incoming_lines =

#The line accept to call out(1,2,3,4,5,6,7,8)
#handset.X.dial_out_lines = 1,2,5
#handset.X.dial_out_default_line = 1

handset.1.dial_out_lines =
handset.1.dial_out_default_line =

handset.1.name =

##############################################################################
#############
##                                    Auto Provisioning Code
##
##############################################################################
#############

#This feature allows user to trigger the auto provisioning by pressing a
predefined string on the phone.
#Require reboot;
#"X" ranges from 1 to 50

#Configure the auto provisioning name.
```

```
#The valid value is a string, the maximum length is 100.
#static.autoprovision.X.name =

#Configure the auto provisioning code;
#The valid value is a string, the maximum length is 100.
#static.autoprovision.X.code =

#Configure the URL of the auto provisioning server.
#The valid value is a string, the maximum length is 256.
#static.autoprovision.X.url =

#Configure the username and password for downloading.
#The valid value is a string, the maximum length is 100.
#static.autoprovision.X.user =
#static.autoprovision.X.password =

#Configure AES key (16 characters) for decrypting the common CFG file and
MAC-Oriented CFG file.
#static.autoprovision.X.com_aes =
#static.autoprovision.X.mac_aes =

static.autoprovision.1.name =
static.autoprovision.1.code =
static.autoprovision.1.url =
static.autoprovision.1.user =
static.autoprovision.1.password =
static.autoprovision.1.com_aes =
static.autoprovision.1.mac_aes =

static.auto_provision.aes_key_in_file =

##############################################################################
#############
##                                    Watch Dog
##
##############################################################################
#############
static.watch_dog.enable =

##############################################################################
#############
##                                    TR069
##
##############################################################################
#############
#The TR069 feature is only applicable to some designated firmware version.
#All settings of TR069 require reboot.
#Enable or disable the TR069 feature; 0-Disabled (default), 1-Enabled;

static.managementserver.enable =
static.managementserver.username =
static.managementserver.password =
static.managementserver.url =
static.managementserver.periodic_inform_enable =
static.managementserver.periodic_inform_interval =
static.managementserver.connection_request_username =
static.managementserver.connection_request_password =

##############################################################################
#############
##                                    Handset
##
```

```
##############################################################################
#############


static.auto_provision.handset_configured.enable =
static.auto_provision.custom.handset.protect =
custom.handset.language=
custom.handset.time_format =
custom.handset.date_format =
custom.handset.auto_intercom =
custom.handset.screen_saver.enable =
custom.handset.backlight_in_charger.enable =
custom.handset.backlight_out_of_charger.enable =
custom.handset.keypad_light.enable =
custom.handset.keypad_tone.enable =
custom.handset.confirmation_tone.enable =
custom.handset.low_battery_tone.enable =
custom.handset.auto_answer.enable =
custom.handset.eco_mode.enable =

#It is only for W56H
custom.handset.wallpaper =

#It is only for W52H
custom.handset.color_scheme =
custom.handset.missed_call_notify_light.enable =
custom.handset.voice_mail_notify_light.enable =

static.directory_setting.shared_contact.enable =
shared_contact_list.url =
handset.1.hac.enable =

##############################################################################
#############
##                                    ECO
##
##############################################################################
#############
base.eco_mode.enable =

##############################################################################
#############
##                                    Repeater
##
##############################################################################
#############

static.base.repeater_mode.enable =

##############################################################################
#############
##                                    Features DTMF
##
##############################################################################
#############
features.dtmf.hide =
features.dtmf.hide_delay =
features.dtmf.volume =
features.dtmf.repetition =
##############################################################################
#############
```

```
##                                        Hostname
##
##############################################################################
#############
static.network.dhcp_host_name =

##############################################################################
#############
##                               DNS
##
##############################################################################
#############
dns_cache_a.1.name =
dns_cache_a.1.ip =
dns_cache_a.1.ttl =
dns_cache_srv.1.name =
dns_cache_srv.1.port =
dns_cache_srv.1.priority =
dns_cache_srv.1.target =
dns_cache_srv.1.weight =
dns_cache_srv.1.ttl =
dns_cache_naptr.1.name =
dns_cache_naptr.1.order =
dns_cache_naptr.1.preference =
dns_cache_naptr.1.replace =
dns_cache_naptr.1.service =
dns_cache_naptr.1.ttl =

static.network.dns.ttl_enable =
static.network.dns.last_cache_expired =
static.network.dns.last_cache_expired.enable =
static.network.dns.query_timeout =
static.network.dns.retry_times =
sip.dns_transport_type =

sip.skip_redundant_failover_addr =

#V80 Add
features.barge_in_via_username.enable =
wui.quick_login =


##v81 Add
features.ringer_device.is_use_headset=
phone_setting.max_number_of_handset =
lcl.datetime.date.format =
sip.requesturi.e164.addglobalprefix =
features.dtmf.duration =
features.call.dialtone_time_out =
static.auto_provision.custom.protect =
static.network.802_1x.anonymous_identity =
static.network.802_1x.eap_fast_provision_mode =
static.auto_provision.local_log.backup.enable =
static.auto_provision.local_log.backup.path =
static.auto_provision.local_log.backup.upload_period =
static.auto_provision.local_log.backup.append =
static.auto_provision.local_log.backup.append.limit_mode =
static.auto_provision.local_log.backup.append.max_file_size =
static.auto_provision.local_log.backup.bootlog.upload_wait_time =
static.auto_provision.flexible.enable =
static.auto_provision.flexible.interval=
static.auto_provision.flexible.begin_time  =
```

```
static.auto_provision.flexible.end_time =
static.network.dhcp.option60type =
static.auto_provision.attempt_before_failed =
static.auto_provision.retry_delay_after_file_transfer_failed =
static.auto_provision.custom.sync.path =
static.auto_provision.server.type =
static.auto_provision.user_agent_mac.enable =
static.auto_provision.update_file_mode =
static.sip.nat_turn.enable =
static.sip.nat_turn.server =
static.sip.nat_turn.username =
static.sip.nat_turn.port =
static.auto_provision.weekly_upgrade_interval =
static.auto_provision.inactivity_time_expire =
static.auto_provision.encryption.config =
static.auto_provision.dns_resolv_nosys =
static.auto_provision.dns_resolv_nretry =
static.auto_provision.dns_resolv_timeout =
multicast.receive_priority.enable =
multicast.receive_priority.priority =
multicast.listen_address.1.channel =
multicast.listen_address.1.label =
multicast.listen_address.1.ip_address =
multicast.paging_address.1.channel =
multicast.paging_address.1.ip_address =
multicast.listen_address.1.label =
multicast.codec =
dialplan.emergency.enable =
dialplan.emergency.asserted_id_source =
dialplan.emergency.custom_asserted_id =
dialplan.emergency.server.1.address =
dialplan.emergency.server.1.port =
dialplan.emergency.server.1.transport_type =
dialplan.emergency.1.value =
dialplan.emergency.1.server_priority =
phone_setting.missed_call_power_led_flash.enable =
static.network.static_nat.enable =
static.network.static_nat.addr =
static.ice.enable =
static.sip.nat_turn.password =
call_waiting.mode = 1
bw.xsi.directory.enable=1
directory_setting.local_directory.enable=0
directory_setting.bw_directory.priority=1
directory_setting.bw_directory.enable=1
search_in_dialing.bw_directory.priority= 1
search_in_dialing.bw_directory.enable= 1

##############################################################################
#############
##                                    Account1 Settings
##
##############################################################################
#############

#Enable or disable the account 1; 0-Disabled (default), 1-Enabled;
account.1.enable = %BWLINE-BINARY-1%

#Configure the label displayed on the LCD screen for account 1.
account.1.label = %BWEXTENSION-1%

#Configure the display name of account 1.
```

```
account.1.display_name = %BWCLID-1%

#Configure the username and password for register authentication.
account.1.auth_name = %BWAUTHUSER-1%
account.1.password = %BWAUTHPASSWORD-1%

#Configure the register user name.
account.1.user_name = %BWLINEPORT-1%



#Enable or disable to use the outbound proxy server; 0-Disabled (default),
1-Enabled;
account.1.outbound_proxy_enable = %USE_SBC_BOOLEAN%

account.1.outbound_proxy.1.address = %SBC_ADDRESS%
account.1.outbound_proxy.1.port = %SBC_PORT%
account.1.outbound_proxy.2.address=
account.1.outbound_proxy.2.port=

account.1.outbound_proxy_fallback_interval =

#Enable or disable the anonymous call feature; 0-Disabled (default), 1-
Enabled;
account.1.anonymous_call =

#Configure the on code and off code of the anonymous call feature.
account.1.send_anonymous_code =
account.1.anonymous_call_oncode =
account.1.anonymous_call_offcode =

account.1.anonymous_reject_oncode =

#Enable or disable the reject anonymous call feature; 0-Disabled
(default), 1-Enabled;
account.1.reject_anonymous_call = %REJECT_ANONYMOUS_CALL_BINARY%

#Configure the on code and off code of the reject anonymous call feature.
account.1.send_anonymous_rejection_code =
account.1.anonymous_reject_oncode =
account.1.anonymous_reject_offcode =

#Enable or disable the 100 reliable retransmission; 0-Disabled, 1-Enabled
(default);
account.1.100rel_enable =


#Enable or disable the phone to subscribe the register status; 0-Disabled
(default), 1-Enabled;
account.1.subscribe_register =

account.1.subscribe_expires_overlap =

#Enable or disable the phone to subscribe the message waiting indicator;
0-Disabled (default), 1-Enabled;
account.1.subscribe_mwi =

#Configure MWI subscribe expiry time (in seconds). It ranges from 0 to
84600, the default value is 3600.
account.1.subscribe_mwi_expires =

account.1.display_mwi.enable =
```

```
#Configure the type of SIP header to carry the caller ID; 0-FROM
(default), 1-PAI;
account.1.cid_source =

#Enable or disable the session timer; 0-Disabled (default), 1-Enabled;
account.1.session_timer.enable =

#Configure the refresh session timer interval (in seconds). It ranges from
1 to 9999.
account.1.session_timer.expires =

#Configure the session timer refresher; 0-Uac (default), 1-Uas;
account.1.session_timer.refresher =

#Enable or disable the "user=phone"; 0-Disabled (default), 1-Enabled;
account.1.enable_user_equal_phone =

#Configure the way of encrypting the message; 0-Disabled (default), 1-
Forced, 2-Negotiated;
account.1.srtp_encryption =

#Configure the RTP packet time. The valid values are 0 (Disabled), 10, 20
(default), 30, 40, 50, 60.
account.1.ptime =

#Enable or disable the phone to subscribe to the voicemail through the
message waiting indicator; 0-Disabled (default), 1-Enabled;
account.1.subscribe_mwi_to_vm =

#Enable or disable the phone to send the MAC address in the Register
message; 0-Disabled (default), 1-Enabled;
account.1.register_mac =

#Enable or disable the phone to send the line number in the Register
message; 0-Disabled, 1-Enabled (default);
account.1.register_line =

#Configure the interval (in seconds) the phone retries to register when
account 1 fails to register. It ranges from 0 to 1800, the default value
is 30.
account.1.reg_fail_retry_interval =

account.1.reg_failed_retry_min_time =
account.1.reg_failed_retry_max_time =

#Configure the DTMF type; 0-INBAND, 1-RFC2833 (default), 2-SIP INFO, 3-
AUTO+SIP INFO;
account.1.dtmf.type =

#Configure the RFC2833 payload. It ranges from 96 to 225, the default
value is 101.
account.1.dtmf.dtmf_payload =

#Configure the DTMF info type when using the SIP INFO; 0-Disabled, 1-DTMF-
Relay (default), 2-DTMF, 3-Telephone-Event;
account.1.dtmf.info_type =

account.1.auto_dial_num =
account.1.auto_dial_enable =

account.1.cid_source_privacy =
```

```
account.1.cid_source_ppi =
account.1.cp_source =

voice_mail.number.1 = %BWVOICE-PORTAL-NUMBER-1%

account.1.shared_line = %BWSHAREDLINE-BINARY-1%
account.1.transfer_refer_to_contact_header.enable =

account.1.blf.subscribe_period =
##############################################################################
#############
##                           Failback
##
##############################################################################
#############
account.1.naptr_build =
account.1.fallback.redundancy_type =
account.1.fallback.timeout =
account.1.sip_server.1.address = %BWHOST-1%
account.1.sip_server.1.port = 5060
account.1.sip_server.1.expires = 3600
account.1.sip_server.1.retry_counts =
account.1.sip_server.1.failback_mode =
account.1.sip_server.1.failback_timeout =
account.1.sip_server.1.register_on_enable =
account.1.sip_server.1.transport_type = %TRANSPORT%

account.1.sip_server.2.address =
account.1.sip_server.2.port =
account.1.sip_server.2.expires =
account.1.sip_server.2.retry_counts =
account.1.sip_server.2.failback_mode =
account.1.sip_server.2.failback_timeout =
account.1.sip_server.2.register_on_enable =
account.1.sip_server.2.transport_type = %TRANSPORT%

account.1.dns_cache_type =
account.1.static_cache_pri = %STATIC-CACHE-PRI%



##############################################################################
#############
##                                    NAT Settings
##
##############################################################################
#############

#Enable or disable the NAT traversal; 0-Disabled (default), 1-STUN;
account.1.nat.nat_traversal =

#Enable or disable the NAT keep-alive; 0-Disabled, 1-Enabled (default);
account.1.nat.udp_update_enable =

#Specify the keep-alive interval (in seconds), the default value is 30.
account.1.nat.udp_update_time =

#Enable or disable the NAT Rport; 0-Disabled (default), 1-Enabled;
account.1.nat.rport =
```

```
##############################################################################
#############
##                                    Codec
##
##############################################################################
#############
account.1.codec.g722.enable =
account.1.codec.g722.priority =

account.1.codec.g729.enable =
account.1.codec.g729.priority =

account.1.codec.g726_16.enable =
account.1.codec.g726_16.priority =

account.1.codec.g726_24.enable =
account.1.codec.g726_24.priority =

account.1.codec.g726_32.enable =
account.1.codec.g726_32.priority =

account.1.codec.g726_40.enable =
account.1.codec.g726_40.priority =

account.1.codec.ilbc.enable =
account.1.codec.ilbc.priority =

account.1.codec.pcmu.enable =
account.1.codec.pcmu.priority =

account.1.codec.pcma.enable =
account.1.codec.pcma.priority =

account.1.codec.opus.enable =
account.1.codec.opus.priority =

##############################################################################
#############
##                                    RTCP-XR
##
##############################################################################
#############
account.1.vq_rtcpxr.collector_server_host =
account.1.vq_rtcpxr.collector_name =
account.1.vq_rtcpxr.collector_server_port =


##############################################################################
#############
##                              Call Forward
##
##############################################################################
#############
#Enable or disable the always forward, 0-Disabled(default), 1-Enabled;
account.1.always_fwd.enable =

#Configure the target phonenumber that the phone will forward the call to;
account.1.always_fwd.target =

#Configure the on/off code for always forward;
account.1.always_fwd.off_code =
account.1.always_fwd.on_code =
```

```
#Enable or disable the busy forward, 0-Disabled(default), 1-Enabled;
account.1.busy_fwd.enable =
account.1.busy_fwd.target =

account.1.busy_fwd.off_code =
account.1.busy_fwd.on_code =


#Enable or disable the no answer forward, 0-Disabled(default), 1-Enabled;
#Configure the waiting ring times before forwarding, ranges from 0 to 20
(by default);
account.1.timeout_fwd.enable =
account.1.timeout_fwd.target =
account.1.timeout_fwd.timeout =

account.1.timeout_fwd.off_code =
account.1.timeout_fwd.on_code =

##############################################################################
#############
##                            DND
##
##############################################################################
#############

#Enable or disable the DND feautre for account2; 0-Disabled (default), 1-
Enabled;
account.1.dnd.enable =

#Configure the DND on code and off code for account1.
account.1.dnd.on_code =
account.1.dnd.off_code =

##############################################################################
#############
##                             Register Advanced
##
##############################################################################
#############
account.1.sip_server_type = 2
account.1.unregister_on_reboot =
account.1.proxy_require =
account.1.register_expires_overlap =

##############################################################################
#############
##                                    Network Conference
##
##############################################################################
#############
account.1.conf_type =
account.1.conf_uri = %BWNETWORK-CONFERENCE-SIPURI-1%


##############################################################################
#############
##          Broadsoft XSI
##
##############################################################################
#############
```

```
##It configures the user name for XSI authentication for account
X.Example:account.1.xsi.user = 3502@as.iop1.broadworks.net.
##The default value is blank.
account.1.xsi.user = %BWLOGIN-ID-1%

##It configures the password for XSI authentication for account
X.Example:account.1.xsi.password = 123456.
##The default value is blank.
account.1.xsi.password = %XSIPASSWORD-1%

##It configures the access URL of the Xtended Services Platform server for
account X.Example:account.1.xsi.host = xsp1.iop1.broadworks.net.
##The default value is blank.
account.1.xsi.host = %XSP_ADDRESS%

##It configures the server type of the Xtended Services Platform server
for account X.Example:account.1.xsi.server_type = http.
##The default value is http.
account.1.xsi.server_type =

##It configures the server port of the Xtended Services Platform server
for account X.Example:account.1.xsi.port = 80.
##The default value is 80.Integer from 1 to 65535
account.1.xsi.port =


#V80 Add
account.1.custom_ua =
##V81 Add
account.1.refresh_remote_id.enable=0

account.1.check_cseq.enable =
account.1.check_to_tag.enable =
account.1.hold_use_inactive =
account.1.line_seize.expires =
account.1.xsi.custom_url =
account.1.update_ack_while_dialing =
account.1.sub_fail_retry_interval =
account.1.sip_server.1.failback_subscribe.enable =
account.1.sip_server.2.failback_subscribe.enable =
account.1.sip_server.1.invite_retry_counts =
account.1.sip_server.2.invite_retry_counts =
account.1.sip_server.1.only_signal_with_registered =
account.1.sip_server.2.only_signal_with_registered =

##############################################################################
#############
##                                    Call Park
##
##############################################################################
#############
account.1.callpark_enable=

##############################################################################
#############
##                                    Account2 Settings
##
##############################################################################
#############

#Enable or disable the account 1; 0-Disabled (default), 1-Enabled;
account.2.enable = %BWLINE-BINARY-2%
```

```
#Configure the label displayed on the LCD screen for account 1.
account.2.label = %BWEXTENSION-2%

#Configure the display name of account 1.
account.2.display_name = %BWCLID-2%

#Configure the username and password for register authentication.
account.2.auth_name = %BWAUTHUSER-2%
account.2.password = %BWAUTHPASSWORD-2%

#Configure the register user name.
account.2.user_name = %BWLINEPORT-2%



#Enable or disable to use the outbound proxy server; 0-Disabled (default),
1-Enabled;
account.2.outbound_proxy_enable = %USE_SBC_BOOLEAN%

account.2.outbound_proxy.1.address = %SBC_ADDRESS%
account.2.outbound_proxy.1.port = %SBC_PORT%
account.2.outbound_proxy.2.address=
account.2.outbound_proxy.2.port=

account.2.outbound_proxy_fallback_interval =

#Enable or disable the anonymous call feature; 0-Disabled (default), 1-
Enabled;
account.2.anonymous_call =

#Configure the on code and off code of the anonymous call feature.
account.2.send_anonymous_code =
account.2.anonymous_call_oncode =
account.2.anonymous_call_offcode =

account.2.anonymous_reject_oncode =

#Enable or disable the reject anonymous call feature; 0-Disabled
(default), 1-Enabled;
account.2.reject_anonymous_call = %REJECT_ANONYMOUS_CALL_BINARY%

#Configure the on code and off code of the reject anonymous call feature.
account.2.send_anonymous_rejection_code =
account.2.anonymous_reject_oncode =
account.2.anonymous_reject_offcode =

#Enable or disable the 100 reliable retransmission; 0-Disabled, 1-Enabled
(default);
account.2.100rel_enable =


#Enable or disable the phone to subscribe the register status; 0-Disabled
(default), 1-Enabled;
account.2.subscribe_register =

account.2.subscribe_expires_overlap =

#Enable or disable the phone to subscribe the message waiting indicator;
0-Disabled (default), 1-Enabled;
account.2.subscribe_mwi =
```

```
#Configure MWI subscribe expiry time (in seconds). It ranges from 0 to
84600, the default value is 3600.
account.2.subscribe_mwi_expires =

account.2.display_mwi.enable =

#Configure the type of SIP header to carry the caller ID; 0-FROM
(default), 1-PAI;
account.2.cid_source =

#Enable or disable the session timer; 0-Disabled (default), 1-Enabled;
account.2.session_timer.enable =

#Configure the refresh session timer interval (in seconds). It ranges from
1 to 9999.
account.2.session_timer.expires =

#Configure the session timer refresher; 0-Uac (default), 1-Uas;
account.2.session_timer.refresher =

#Enable or disable the "user=phone"; 0-Disabled (default), 1-Enabled;
account.2.enable_user_equal_phone =

#Configure the way of encrypting the message; 0-Disabled (default), 1-
Forced, 2-Negotiated;
account.2.srtp_encryption =

#Configure the RTP packet time. The valid values are 0 (Disabled), 10, 20
(default), 30, 40, 50, 60.
account.2.ptime =

#Enable or disable the phone to subscribe to the voicemail through the
message waiting indicator; 0-Disabled (default), 1-Enabled;
account.2.subscribe_mwi_to_vm =

#Enable or disable the phone to send the MAC address in the Register
message; 0-Disabled (default), 1-Enabled;
account.2.register_mac =

#Enable or disable the phone to send the line number in the Register
message; 0-Disabled, 1-Enabled (default);
account.2.register_line =

#Configure the interval (in seconds) the phone retries to register when
account 1 fails to register. It ranges from 0 to 1800, the default value
is 30.
account.2.reg_fail_retry_interval =

account.2.reg_failed_retry_min_time =
account.2.reg_failed_retry_max_time =

#Configure the DTMF type; 0-INBAND, 1-RFC2833 (default), 2-SIP INFO, 3-
AUTO+SIP INFO;
account.2.dtmf.type =

#Configure the RFC2833 payload. It ranges from 96 to 225, the default
value is 101.
account.2.dtmf.dtmf_payload =

#Configure the DTMF info type when using the SIP INFO; 0-Disabled, 1-DTMF-
Relay (default), 2-DTMF, 3-Telephone-Event;
account.2.dtmf.info_type =
```

```
account.2.auto_dial_num =
account.2.auto_dial_enable =

account.2.cid_source_privacy =
account.2.cid_source_ppi =
account.2.cp_source =

voice_mail.number.2 = %BWVOICE-PORTAL-NUMBER-2%

account.2.shared_line = %BWSHAREDLINE-BINARY-2%
account.2.transfer_refer_to_contact_header.enable =
account.2.blf.subscribe_period =
##############################################################################
#############
##                           Failback
##
##############################################################################
#############
account.2.naptr_build =
account.2.fallback.redundancy_type =
account.2.fallback.timeout =
account.2.sip_server.1.address = %BWHOST-2%
account.2.sip_server.1.port =
account.2.sip_server.1.expires =
account.2.sip_server.1.retry_counts =
account.2.sip_server.1.failback_mode =
account.2.sip_server.1.failback_timeout =
account.2.sip_server.1.register_on_enable =
account.2.sip_server.1.transport_type = %TRANSPORT%

account.2.sip_server.2.address =
account.2.sip_server.2.port =
account.2.sip_server.2.expires =
account.2.sip_server.2.retry_counts =
account.2.sip_server.2.failback_mode =
account.2.sip_server.2.failback_timeout =
account.2.sip_server.2.register_on_enable =
account.2.sip_server.2.transport_type = %TRANSPORT%

account.2.dns_cache_type =
account.2.static_cache_pri = %STATIC-CACHE-PRI%



##############################################################################
#############
##                                    NAT Settings
##
##############################################################################
#############

#Enable or disable the NAT traversal; 0-Disabled (default), 1-STUN;
account.2.nat.nat_traversal =

#Enable or disable the NAT keep-alive; 0-Disabled, 1-Enabled (default);
account.2.nat.udp_update_enable =

#Specify the keep-alive interval (in seconds), the default value is 30.
account.2.nat.udp_update_time =

#Enable or disable the NAT Rport; 0-Disabled (default), 1-Enabled;
```

```
account.2.nat.rport =


##############################################################################
#############
##                                    Codec
##
##############################################################################
#############
account.2.codec.g722.enable =
account.2.codec.g722.priority =

account.2.codec.g729.enable =
account.2.codec.g729.priority =

account.2.codec.g726_16.enable =
account.2.codec.g726_16.priority =

account.2.codec.g726_24.enable =
account.2.codec.g726_24.priority =

account.2.codec.g726_32.enable =
account.2.codec.g726_32.priority =

account.2.codec.g726_40.enable =
account.2.codec.g726_40.priority =

account.2.codec.ilbc.enable =
account.2.codec.ilbc.priority =

account.2.codec.pcmu.enable =
account.2.codec.pcmu.priority =

account.2.codec.pcma.enable =
account.2.codec.pcma.priority =

account.2.codec.opus.enable =
account.2.codec.opus.priority =

##############################################################################
#############
##                                    RTCP-XR
##
##############################################################################
#############
account.2.vq_rtcpxr.collector_server_host =
account.2.vq_rtcpxr.collector_name =
account.2.vq_rtcpxr.collector_server_port =


##############################################################################
#############
##                              Call Forward
##
##############################################################################
#############
#Enable or disable the always forward, 0-Disabled(default), 1-Enabled;
account.2.always_fwd.enable =

#Configure the target phonenumber that the phone will forward the call to;
account.2.always_fwd.target =
```

```
#Configure the on/off code for always forward;
account.2.always_fwd.off_code =
account.2.always_fwd.on_code =


#Enable or disable the busy forward, 0-Disabled(default), 1-Enabled;
account.2.busy_fwd.enable =
account.2.busy_fwd.target =

account.2.busy_fwd.off_code =
account.2.busy_fwd.on_code =


#Enable or disable the no answer forward, 0-Disabled(default), 1-Enabled;
#Configure the waiting ring times before forwarding, ranges from 0 to 20
(by default);
account.2.timeout_fwd.enable =
account.2.timeout_fwd.target =
account.2.timeout_fwd.timeout =

account.2.timeout_fwd.off_code =
account.2.timeout_fwd.on_code =

##############################################################################
#############
##                            DND
##
##############################################################################
#############

#Enable or disable the DND feautre for account2; 0-Disabled (default), 1-
Enabled;
account.2.dnd.enable =

#Configure the DND on code and off code for account1.
account.2.dnd.on_code =
account.2.dnd.off_code =

##############################################################################
#############
##                             Register Advanced
##
##############################################################################
#############
account.2.sip_server_type = 2
account.2.unregister_on_reboot =
account.2.proxy_require =
account.2.register_expires_overlap =

##############################################################################
#############
##                                    Network Conference
##
##############################################################################
#############
account.2.conf_type =
account.2.conf_uri = %BWNETWORK-CONFERENCE-SIPURI-2%


##############################################################################
#############
```

```
##         Broadsoft XSI
##
#############################################################################
#############
##It configures the user name for XSI authentication for account
X.Example:account.2.xsi.user = 3502@as.iop1.broadworks.net.
##The default value is blank.
account.2.xsi.user = %BWLOGIN-ID-2%

##It configures the password for XSI authentication for account
X.Example:account.2.xsi.password = 123456.
##The default value is blank.
account.2.xsi.password = %XSIPASSWORD-2%

##It configures the access URL of the Xtended Services Platform server for
account X.Example:account.2.xsi.host = xsp1.iop1.broadworks.net.
##The default value is blank.
account.2.xsi.host = %XSP_ADDRESS%

##It configures the server type of the Xtended Services Platform server
for account X.Example:account.2.xsi.server_type = http.
##The default value is http.
account.2.xsi.server_type =

##It configures the server port of the Xtended Services Platform server
for account X.Example:account.2.xsi.port = 80.
##The default value is 80.Integer from 1 to 65535
account.2.xsi.port =


#V80 Add
account.2.custom_ua =
##V81 Add
account.2.refresh_remote_id.enable=0

account.2.check_cseq.enable =
account.2.check_to_tag.enable =
account.2.hold_use_inactive =
account.2.line_seize.expires =
account.2.xsi.custom_url =
account.2.update_ack_while_dialing =
account.2.sub_fail_retry_interval =
account.2.sip_server.1.failback_subscribe.enable =
account.2.sip_server.2.failback_subscribe.enable =
account.2.sip_server.1.invite_retry_counts =
account.2.sip_server.2.invite_retry_counts =
account.2.sip_server.1.only_signal_with_registered =
account.2.sip_server.2.only_signal_with_registered =

#############################################################################
#############
##                                    Call Park
##
#############################################################################
#############
account.2.callpark_enable=

#############################################################################
#############
##                                    Account3 Settings
##
```

```
##########################################################################
#############

#Enable or disable the account 1; 0-Disabled (default), 1-Enabled;
account.3.enable = %BWLINE-BINARY-3%

#Configure the label displayed on the LCD screen for account 1.
account.3.label = %BWEXTENSION-3%

#Configure the display name of account 1.
account.3.display_name = %BWCLID-3%

#Configure the username and password for register authentication.
account.3.auth_name = %BWAUTHUSER-3%
account.3.password = %BWAUTHPASSWORD-3%

#Configure the register user name.
account.3.user_name = %BWLINEPORT-3%



#Enable or disable to use the outbound proxy server; 0-Disabled (default),
1-Enabled;
account.3.outbound_proxy_enable = %USE_SBC_BOOLEAN%

account.3.outbound_proxy.1.address = %SBC_ADDRESS%
account.3.outbound_proxy.1.port = %SBC_PORT%
account.3.outbound_proxy.2.address=
account.3.outbound_proxy.2.port=

account.3.outbound_proxy_fallback_interval =

#Enable or disable the anonymous call feature; 0-Disabled (default), 1-
Enabled;
account.3.anonymous_call =

#Configure the on code and off code of the anonymous call feature.
account.3.send_anonymous_code =
account.3.anonymous_call_oncode =
account.3.anonymous_call_offcode =

account.3.anonymous_reject_oncode =

#Enable or disable the reject anonymous call feature; 0-Disabled
(default), 1-Enabled;
account.3.reject_anonymous_call = %REJECT_ANONYMOUS_CALL_BINARY%

#Configure the on code and off code of the reject anonymous call feature.
account.3.send_anonymous_rejection_code =
account.3.anonymous_reject_oncode =
account.3.anonymous_reject_offcode =

#Enable or disable the 100 reliable retransmission; 0-Disabled, 1-Enabled
(default);
account.3.100rel_enable =


#Enable or disable the phone to subscribe the register status; 0-Disabled
(default), 1-Enabled;
account.3.subscribe_register =

account.3.subscribe_expires_overlap =
```

```
#Enable or disable the phone to subscribe the message waiting indicator;
0-Disabled (default), 1-Enabled;
account.3.subscribe_mwi =

#Configure MWI subscribe expiry time (in seconds). It ranges from 0 to
84600, the default value is 3600.
account.3.subscribe_mwi_expires =

account.3.display_mwi.enable =

#Configure the type of SIP header to carry the caller ID; 0-FROM
(default), 1-PAI;
account.3.cid_source =

#Enable or disable the session timer; 0-Disabled (default), 1-Enabled;
account.3.session_timer.enable =

#Configure the refresh session timer interval (in seconds). It ranges from
1 to 9999.
account.3.session_timer.expires =

#Configure the session timer refresher; 0-Uac (default), 1-Uas;
account.3.session_timer.refresher =

#Enable or disable the "user=phone"; 0-Disabled (default), 1-Enabled;
account.3.enable_user_equal_phone =

#Configure the way of encrypting the message; 0-Disabled (default), 1-
Forced, 2-Negotiated;
account.3.srtp_encryption =

#Configure the RTP packet time. The valid values are 0 (Disabled), 10, 20
(default), 30, 40, 50, 60.
account.3.ptime =

#Enable or disable the phone to subscribe to the voicemail through the
message waiting indicator; 0-Disabled (default), 1-Enabled;
account.3.subscribe_mwi_to_vm =

#Enable or disable the phone to send the MAC address in the Register
message; 0-Disabled (default), 1-Enabled;
account.3.register_mac =

#Enable or disable the phone to send the line number in the Register
message; 0-Disabled, 1-Enabled (default);
account.3.register_line =

#Configure the interval (in seconds) the phone retries to register when
account 1 fails to register. It ranges from 0 to 1800, the default value
is 30.
account.3.reg_fail_retry_interval =

account.3.reg_failed_retry_min_time =
account.3.reg_failed_retry_max_time =

#Configure the DTMF type; 0-INBAND, 1-RFC2833 (default), 2-SIP INFO, 3-
AUTO+SIP INFO;
account.3.dtmf.type =

#Configure the RFC2833 payload. It ranges from 96 to 225, the default
value is 101.
```

```
account.3.dtmf.dtmf_payload =

#Configure the DTMF info type when using the SIP INFO; 0-Disabled, 1-DTMF-
Relay (default), 2-DTMF, 3-Telephone-Event;
account.3.dtmf.info_type =

account.3.auto_dial_num =
account.3.auto_dial_enable =

account.3.cid_source_privacy =
account.3.cid_source_ppi =
account.3.cp_source =

voice_mail.number.3 = %BWVOICE-PORTAL-NUMBER-3%

account.3.shared_line = %BWSHAREDLINE-BINARY-3%
account.3.transfer_refer_to_contact_header.enable =
account.3.blf.subscribe_period =
##############################################################################
#############
##                            Failback
##
##############################################################################
#############
account.3.naptr_build =
account.3.fallback.redundancy_type =
account.3.fallback.timeout =
account.3.sip_server.1.address = %BWHOST-3%
account.3.sip_server.1.port =
account.3.sip_server.1.expires =
account.3.sip_server.1.retry_counts =
account.3.sip_server.1.failback_mode =
account.3.sip_server.1.failback_timeout =
account.3.sip_server.1.register_on_enable =
account.3.sip_server.1.transport_type = %TRANSPORT%

account.3.sip_server.2.address =
account.3.sip_server.2.port =
account.3.sip_server.2.expires =
account.3.sip_server.2.retry_counts =
account.3.sip_server.2.failback_mode =
account.3.sip_server.2.failback_timeout =
account.3.sip_server.2.register_on_enable =
account.3.sip_server.2.transport_type = %TRANSPORT%

account.3.dns_cache_type =
account.3.static_cache_pri = %STATIC-CACHE-PRI%



##############################################################################
#############
##                                    NAT Settings
##
##############################################################################
#############

#Enable or disable the NAT traversal; 0-Disabled (default), 1-STUN;
account.3.nat.nat_traversal =

#Enable or disable the NAT keep-alive; 0-Disabled, 1-Enabled (default);
account.3.nat.udp_update_enable =
```

```
#Specify the keep-alive interval (in seconds), the default value is 30.
account.3.nat.udp_update_time =

#Enable or disable the NAT Rport; 0-Disabled (default), 1-Enabled;
account.3.nat.rport =


##############################################################################
#############
##                                    Codec
##
##############################################################################
#############
account.3.codec.g722.enable =
account.3.codec.g722.priority =

account.3.codec.g729.enable =
account.3.codec.g729.priority =

account.3.codec.g726_16.enable =
account.3.codec.g726_16.priority =

account.3.codec.g726_24.enable =
account.3.codec.g726_24.priority =

account.3.codec.g726_32.enable =
account.3.codec.g726_32.priority =

account.3.codec.g726_40.enable =
account.3.codec.g726_40.priority =

account.3.codec.ilbc.enable =
account.3.codec.ilbc.priority =

account.3.codec.pcmu.enable =
account.3.codec.pcmu.priority =

account.3.codec.pcma.enable =
account.3.codec.pcma.priority =

account.3.codec.opus.enable =
account.3.codec.opus.priority =

##############################################################################
#############
##                                    RTCP-XR
##
##############################################################################
#############
account.3.vq_rtcpxr.collector_server_host =
account.3.vq_rtcpxr.collector_name =
account.3.vq_rtcpxr.collector_server_port =


##############################################################################
#############
##                               Call Forward
##
##############################################################################
#############
#Enable or disable the always forward, 0-Disabled(default), 1-Enabled;
```

```
account.3.always_fwd.enable =

#Configure the target phonenumber that the phone will forward the call to;
account.3.always_fwd.target =

#Configure the on/off code for always forward;
account.3.always_fwd.off_code =
account.3.always_fwd.on_code =


#Enable or disable the busy forward, 0-Disabled(default), 1-Enabled;
account.3.busy_fwd.enable =
account.3.busy_fwd.target =

account.3.busy_fwd.off_code =
account.3.busy_fwd.on_code =


#Enable or disable the no answer forward, 0-Disabled(default), 1-Enabled;
#Configure the waiting ring times before forwarding, ranges from 0 to 20
(by default);
account.3.timeout_fwd.enable =
account.3.timeout_fwd.target =
account.3.timeout_fwd.timeout =

account.3.timeout_fwd.off_code =
account.3.timeout_fwd.on_code =

##############################################################################
#############
##                            DND
##
##############################################################################
#############

#Enable or disable the DND feautre for account2; 0-Disabled (default), 1-
Enabled;
account.3.dnd.enable =

#Configure the DND on code and off code for account1.
account.3.dnd.on_code =
account.3.dnd.off_code =

##############################################################################
#############
##                             Register Advanced
##
##############################################################################
#############
account.3.sip_server_type = 2
account.3.unregister_on_reboot =
account.3.proxy_require =
account.3.register_expires_overlap =

##############################################################################
#############
##                                    Network Conference
##
##############################################################################
#############
account.3.conf_type =
account.3.conf_uri = %BWNETWORK-CONFERENCE-SIPURI-3%
```

```
##############################################################################
#############
##         Broadsoft XSI
##
##############################################################################
#############
##It configures the user name for XSI authentication for account
X.Example:account.3.xsi.user = 3502@as.iop1.broadworks.net.
##The default value is blank.
account.3.xsi.user = %BWLOGIN-ID-3%

##It configures the password for XSI authentication for account
X.Example:account.3.xsi.password = 123456.
##The default value is blank.
account.3.xsi.password = %XSIPASSWORD-3%

##It configures the access URL of the Xtended Services Platform server for
account X.Example:account.3.xsi.host = xsp1.iop1.broadworks.net.
##The default value is blank.
account.3.xsi.host = %XSP_ADDRESS%

##It configures the server type of the Xtended Services Platform server
for account X.Example:account.3.xsi.server_type = http.
##The default value is http.
account.3.xsi.server_type =

##It configures the server port of the Xtended Services Platform server
for account X.Example:account.3.xsi.port = 80.
##The default value is 80.Integer from 1 to 65535
account.3.xsi.port =


#V80 Add
account.3.custom_ua =
##V81 Add
account.3.refresh_remote_id.enable=0

account.3.check_cseq.enable =
account.3.check_to_tag.enable =
account.3.hold_use_inactive =
account.3.line_seize.expires =
account.3.xsi.custom_url =
account.3.update_ack_while_dialing =
account.3.sub_fail_retry_interval =
account.3.sip_server.1.failback_subscribe.enable =
account.3.sip_server.2.failback_subscribe.enable =
account.3.sip_server.1.invite_retry_counts =
account.3.sip_server.2.invite_retry_counts =
account.3.sip_server.1.only_signal_with_registered =
account.3.sip_server.2.only_signal_with_registered =

##############################################################################
#############
##                                    Call Park
##
##############################################################################
#############
account.3.callpark_enable=
```

```
##############################################################################
#############
##                                    Account4 Settings
##
##############################################################################
#############

#Enable or disable the account 1; 0-Disabled (default), 1-Enabled;
account.4.enable = %BWLINE-BINARY-4%

#Configure the label displayed on the LCD screen for account 1.
account.4.label = %BWEXTENSION-4%

#Configure the display name of account 1.
account.4.display_name = %BWCLID-4%

#Configure the username and password for register authentication.
account.4.auth_name = %BWAUTHUSER-4%
account.4.password = %BWAUTHPASSWORD-4%

#Configure the register user name.
account.4.user_name = %BWLINEPORT-4%



#Enable or disable to use the outbound proxy server; 0-Disabled (default),
1-Enabled;
account.4.outbound_proxy_enable = %USE_SBC_BOOLEAN%

account.4.outbound_proxy.1.address = %SBC_ADDRESS%
account.4.outbound_proxy.1.port = %SBC_PORT%
account.4.outbound_proxy.2.address=
account.4.outbound_proxy.2.port=

account.4.outbound_proxy_fallback_interval =

#Enable or disable the anonymous call feature; 0-Disabled (default), 1-
Enabled;
account.4.anonymous_call =

#Configure the on code and off code of the anonymous call feature.
account.4.send_anonymous_code =
account.4.anonymous_call_oncode =
account.4.anonymous_call_offcode =

account.4.anonymous_reject_oncode =

#Enable or disable the reject anonymous call feature; 0-Disabled
(default), 1-Enabled;
account.4.reject_anonymous_call = %REJECT_ANONYMOUS_CALL_BINARY%

#Configure the on code and off code of the reject anonymous call feature.
account.4.send_anonymous_rejection_code =
account.4.anonymous_reject_oncode =
account.4.anonymous_reject_offcode =

#Enable or disable the 100 reliable retransmission; 0-Disabled, 1-Enabled
(default);
account.4.100rel_enable =
```

```
#Enable or disable the phone to subscribe the register status; 0-Disabled
(default), 1-Enabled;
account.4.subscribe_register =

account.4.subscribe_expires_overlap =

#Enable or disable the phone to subscribe the message waiting indicator;
0-Disabled (default), 1-Enabled;
account.4.subscribe_mwi =

#Configure MWI subscribe expiry time (in seconds). It ranges from 0 to
84600, the default value is 3600.
account.4.subscribe_mwi_expires =

account.4.display_mwi.enable =

#Configure the type of SIP header to carry the caller ID; 0-FROM
(default), 1-PAI;
account.4.cid_source =

#Enable or disable the session timer; 0-Disabled (default), 1-Enabled;
account.4.session_timer.enable =

#Configure the refresh session timer interval (in seconds). It ranges from
1 to 9999.
account.4.session_timer.expires =

#Configure the session timer refresher; 0-Uac (default), 1-Uas;
account.4.session_timer.refresher =

#Enable or disable the "user=phone"; 0-Disabled (default), 1-Enabled;
account.4.enable_user_equal_phone =

#Configure the way of encrypting the message; 0-Disabled (default), 1-
Forced, 2-Negotiated;
account.4.srtp_encryption =

#Configure the RTP packet time. The valid values are 0 (Disabled), 10, 20
(default), 30, 40, 50, 60.
account.4.ptime =

#Enable or disable the phone to subscribe to the voicemail through the
message waiting indicator; 0-Disabled (default), 1-Enabled;
account.4.subscribe_mwi_to_vm =

#Enable or disable the phone to send the MAC address in the Register
message; 0-Disabled (default), 1-Enabled;
account.4.register_mac =

#Enable or disable the phone to send the line number in the Register
message; 0-Disabled, 1-Enabled (default);
account.4.register_line =

#Configure the interval (in seconds) the phone retries to register when
account 1 fails to register. It ranges from 0 to 1800, the default value
is 30.
account.4.reg_fail_retry_interval =

account.4.reg_failed_retry_min_time =
account.4.reg_failed_retry_max_time =
```

```
#Configure the DTMF type; 0-INBAND, 1-RFC2833 (default), 2-SIP INFO, 3-
AUTO+SIP INFO;
account.4.dtmf.type =

#Configure the RFC2833 payload. It ranges from 96 to 225, the default
value is 101.
account.4.dtmf.dtmf_payload =

#Configure the DTMF info type when using the SIP INFO; 0-Disabled, 1-DTMF-
Relay (default), 2-DTMF, 3-Telephone-Event;
account.4.dtmf.info_type =

account.4.auto_dial_num =
account.4.auto_dial_enable =

account.4.cid_source_privacy =
account.4.cid_source_ppi =
account.4.cp_source =

voice_mail.number.4 = %BWVOICE-PORTAL-NUMBER-4%

account.4.shared_line = %BWSHAREDLINE-BINARY-4%
account.4.transfer_refer_to_contact_header.enable =
account.4.blf.subscribe_period =
##############################################################################
#############
##                            Failback
##
##############################################################################
#############
account.4.naptr_build =
account.4.fallback.redundancy_type =
account.4.fallback.timeout =
account.4.sip_server.1.address = %BWHOST-4%
account.4.sip_server.1.port =
account.4.sip_server.1.expires =
account.4.sip_server.1.retry_counts =
account.4.sip_server.1.failback_mode =
account.4.sip_server.1.failback_timeout =
account.4.sip_server.1.register_on_enable =
account.4.sip_server.1.transport_type = %TRANSPORT%

account.4.sip_server.2.address =
account.4.sip_server.2.port =
account.4.sip_server.2.expires =
account.4.sip_server.2.retry_counts =
account.4.sip_server.2.failback_mode =
account.4.sip_server.2.failback_timeout =
account.4.sip_server.2.register_on_enable =
account.4.sip_server.2.transport_type = %TRANSPORT%

account.4.dns_cache_type =
account.4.static_cache_pri = %STATIC-CACHE-PRI%



##############################################################################
#############
##                                    NAT Settings
##
##############################################################################
#############
```

```
#Enable or disable the NAT traversal; 0-Disabled (default), 1-STUN;
account.4.nat.nat_traversal =

#Enable or disable the NAT keep-alive; 0-Disabled, 1-Enabled (default);
account.4.nat.udp_update_enable =

#Specify the keep-alive interval (in seconds), the default value is 30.
account.4.nat.udp_update_time =

#Enable or disable the NAT Rport; 0-Disabled (default), 1-Enabled;
account.4.nat.rport =


##############################################################################
#############
##                                    Codec
##
##############################################################################
#############
account.4.codec.g722.enable =
account.4.codec.g722.priority =

account.4.codec.g729.enable =
account.4.codec.g729.priority =

account.4.codec.g726_16.enable =
account.4.codec.g726_16.priority =

account.4.codec.g726_24.enable =
account.4.codec.g726_24.priority =

account.4.codec.g726_32.enable =
account.4.codec.g726_32.priority =

account.4.codec.g726_40.enable =
account.4.codec.g726_40.priority =

account.4.codec.ilbc.enable =
account.4.codec.ilbc.priority =

account.4.codec.pcmu.enable =
account.4.codec.pcmu.priority =

account.4.codec.pcma.enable =
account.4.codec.pcma.priority =

account.4.codec.opus.enable =
account.4.codec.opus.priority =

##############################################################################
#############
##                                    RTCP-XR
##
##############################################################################
#############
account.4.vq_rtcpxr.collector_server_host =
account.4.vq_rtcpxr.collector_name =
account.4.vq_rtcpxr.collector_server_port =
```

```
##############################################################################
#############
##                              Call Forward
##
##############################################################################
#############
#Enable or disable the always forward, 0-Disabled(default), 1-Enabled;
account.4.always_fwd.enable =

#Configure the target phonenumber that the phone will forward the call to;
account.4.always_fwd.target =

#Configure the on/off code for always forward;
account.4.always_fwd.off_code =
account.4.always_fwd.on_code =


#Enable or disable the busy forward, 0-Disabled(default), 1-Enabled;
account.4.busy_fwd.enable =
account.4.busy_fwd.target =

account.4.busy_fwd.off_code =
account.4.busy_fwd.on_code =


#Enable or disable the no answer forward, 0-Disabled(default), 1-Enabled;
#Configure the waiting ring times before forwarding, ranges from 0 to 20
(by default);
account.4.timeout_fwd.enable =
account.4.timeout_fwd.target =
account.4.timeout_fwd.timeout =

account.4.timeout_fwd.off_code =
account.4.timeout_fwd.on_code =

##############################################################################
#############
##                             DND
##
##############################################################################
#############

#Enable or disable the DND feautre for account2; 0-Disabled (default), 1-
Enabled;
account.4.dnd.enable =

#Configure the DND on code and off code for account1.
account.4.dnd.on_code =
account.4.dnd.off_code =

##############################################################################
#############
##                             Register Advanced
##
##############################################################################
#############
account.4.sip_server_type = 2
account.4.unregister_on_reboot =
account.4.proxy_require =
account.4.register_expires_overlap =
```

```
##############################################################################
#############
##                                    Network Conference
##
##############################################################################
#############
account.4.conf_type =
account.4.conf_uri = %BWNETWORK-CONFERENCE-SIPURI-4%


##############################################################################
#############
##         Broadsoft XSI
##
##############################################################################
#############
##It configures the user name for XSI authentication for account
X.Example:account.4.xsi.user = 3502@as.iop1.broadworks.net.
##The default value is blank.
account.4.xsi.user = %BWLOGIN-ID-4%

##It configures the password for XSI authentication for account
X.Example:account.4.xsi.password = 123456.
##The default value is blank.
account.4.xsi.password = %XSIPASSWORD-4%

##It configures the access URL of the Xtended Services Platform server for
account X.Example:account.4.xsi.host = xsp1.iop1.broadworks.net.
##The default value is blank.
account.4.xsi.host = %XSP_ADDRESS%

##It configures the server type of the Xtended Services Platform server
for account X.Example:account.4.xsi.server_type = http.
##The default value is http.
account.4.xsi.server_type =

##It configures the server port of the Xtended Services Platform server
for account X.Example:account.4.xsi.port = 80.
##The default value is 80.Integer from 1 to 65535
account.4.xsi.port =


#V80 Add
account.4.custom_ua =
##V81 Add
account.4.refresh_remote_id.enable=0

account.4.check_cseq.enable =
account.4.check_to_tag.enable =
account.4.hold_use_inactive =
account.4.line_seize.expires =
account.4.xsi.custom_url =
account.4.update_ack_while_dialing =
account.4.sub_fail_retry_interval =
account.4.sip_server.1.failback_subscribe.enable =
account.4.sip_server.2.failback_subscribe.enable =
account.4.sip_server.1.invite_retry_counts =
account.4.sip_server.2.invite_retry_counts =
account.4.sip_server.1.only_signal_with_registered =
account.4.sip_server.2.only_signal_with_registered =
```

```
##############################################################################
#############
##                                    Call Park
##
##############################################################################
#############
account.4.callpark_enable=

##############################################################################
#############
##                                    Account5 Settings
##
##############################################################################
#############

#Enable or disable the account 1; 0-Disabled (default), 1-Enabled;
account.5.enable = %BWLINE-BINARY-5%

#Configure the label displayed on the LCD screen for account 1.
account.5.label = %BWEXTENSION-5%

#Configure the display name of account 1.
account.5.display_name = %BWCLID-5%

#Configure the username and password for register authentication.
account.5.auth_name = %BWAUTHUSER-5%
account.5.password = %BWAUTHPASSWORD-5%

#Configure the register user name.
account.5.user_name = %BWLINEPORT-5%



#Enable or disable to use the outbound proxy server; 0-Disabled (default),
1-Enabled;
account.5.outbound_proxy_enable = %USE_SBC_BOOLEAN%

account.5.outbound_proxy.1.address = %SBC_ADDRESS%
account.5.outbound_proxy.1.port = %SBC_PORT%
account.5.outbound_proxy.2.address=
account.5.outbound_proxy.2.port=

account.5.outbound_proxy_fallback_interval =

#Enable or disable the anonymous call feature; 0-Disabled (default), 1-
Enabled;
account.5.anonymous_call =

#Configure the on code and off code of the anonymous call feature.
account.5.send_anonymous_code =
account.5.anonymous_call_oncode =
account.5.anonymous_call_offcode =

account.5.anonymous_reject_oncode =

#Enable or disable the reject anonymous call feature; 0-Disabled
(default), 1-Enabled;
account.5.reject_anonymous_call = %REJECT_ANONYMOUS_CALL_BINARY%

#Configure the on code and off code of the reject anonymous call feature.
account.5.send_anonymous_rejection_code =
account.5.anonymous_reject_oncode =
```

```
account.5.anonymous_reject_offcode =

#Enable or disable the 100 reliable retransmission; 0-Disabled, 1-Enabled
(default);
account.5.100rel_enable =


#Enable or disable the phone to subscribe the register status; 0-Disabled
(default), 1-Enabled;
account.5.subscribe_register =

account.5.subscribe_expires_overlap =

#Enable or disable the phone to subscribe the message waiting indicator;
0-Disabled (default), 1-Enabled;
account.5.subscribe_mwi =

#Configure MWI subscribe expiry time (in seconds). It ranges from 0 to
84600, the default value is 3600.
account.5.subscribe_mwi_expires =

account.5.display_mwi.enable =

#Configure the type of SIP header to carry the caller ID; 0-FROM
(default), 1-PAI;
account.5.cid_source =

#Enable or disable the session timer; 0-Disabled (default), 1-Enabled;
account.5.session_timer.enable =

#Configure the refresh session timer interval (in seconds). It ranges from
1 to 9999.
account.5.session_timer.expires =

#Configure the session timer refresher; 0-Uac (default), 1-Uas;
account.5.session_timer.refresher =

#Enable or disable the "user=phone"; 0-Disabled (default), 1-Enabled;
account.5.enable_user_equal_phone =

#Configure the way of encrypting the message; 0-Disabled (default), 1-
Forced, 2-Negotiated;
account.5.srtp_encryption =

#Configure the RTP packet time. The valid values are 0 (Disabled), 10, 20
(default), 30, 40, 50, 60.
account.5.ptime =

#Enable or disable the phone to subscribe to the voicemail through the
message waiting indicator; 0-Disabled (default), 1-Enabled;
account.5.subscribe_mwi_to_vm =

#Enable or disable the phone to send the MAC address in the Register
message; 0-Disabled (default), 1-Enabled;
account.5.register_mac =

#Enable or disable the phone to send the line number in the Register
message; 0-Disabled, 1-Enabled (default);
account.5.register_line =
```

```
#Configure the interval (in seconds) the phone retries to register when
account 1 fails to register. It ranges from 0 to 1800, the default value
is 30.
account.5.reg_fail_retry_interval =

account.5.reg_failed_retry_min_time =
account.5.reg_failed_retry_max_time =

#Configure the DTMF type; 0-INBAND, 1-RFC2833 (default), 2-SIP INFO, 3-
AUTO+SIP INFO;
account.5.dtmf.type =

#Configure the RFC2833 payload. It ranges from 96 to 225, the default
value is 101.
account.5.dtmf.dtmf_payload =

#Configure the DTMF info type when using the SIP INFO; 0-Disabled, 1-DTMF-
Relay (default), 2-DTMF, 3-Telephone-Event;
account.5.dtmf.info_type =

account.5.auto_dial_num =
account.5.auto_dial_enable =

account.5.cid_source_privacy =
account.5.cid_source_ppi =
account.5.cp_source =

voice_mail.number.5 = %BWVOICE-PORTAL-NUMBER-5%

account.5.shared_line = %BWSHAREDLINE-BINARY-5%
account.5.transfer_refer_to_contact_header.enable =
account.5.blf.subscribe_period =
##############################################################################
#############
##                            Failback
##
##############################################################################
#############
account.5.naptr_build =
account.5.fallback.redundancy_type =
account.5.fallback.timeout =
account.5.sip_server.1.address = %BWHOST-5%
account.5.sip_server.1.port =
account.5.sip_server.1.expires =
account.5.sip_server.1.retry_counts =
account.5.sip_server.1.failback_mode =
account.5.sip_server.1.failback_timeout =
account.5.sip_server.1.register_on_enable =
account.5.sip_server.1.transport_type = %TRANSPORT%

account.5.sip_server.2.address =
account.5.sip_server.2.port =
account.5.sip_server.2.expires =
account.5.sip_server.2.retry_counts =
account.5.sip_server.2.failback_mode =
account.5.sip_server.2.failback_timeout =
account.5.sip_server.2.register_on_enable =
account.5.sip_server.2.transport_type = %TRANSPORT%

account.5.dns_cache_type =
account.5.static_cache_pri = %STATIC-CACHE-PRI%
```

```
##############################################################################
#############
##                                    NAT Settings
##
##############################################################################
#############

#Enable or disable the NAT traversal; 0-Disabled (default), 1-STUN;
account.5.nat.nat_traversal =

#Enable or disable the NAT keep-alive; 0-Disabled, 1-Enabled (default);
account.5.nat.udp_update_enable =

#Specify the keep-alive interval (in seconds), the default value is 30.
account.5.nat.udp_update_time =

#Enable or disable the NAT Rport; 0-Disabled (default), 1-Enabled;
account.5.nat.rport =


##############################################################################
#############
##                                    Codec
##
##############################################################################
#############
account.5.codec.g722.enable =
account.5.codec.g722.priority =

account.5.codec.g729.enable =
account.5.codec.g729.priority =

account.5.codec.g726_16.enable =
account.5.codec.g726_16.priority =

account.5.codec.g726_24.enable =
account.5.codec.g726_24.priority =

account.5.codec.g726_32.enable =
account.5.codec.g726_32.priority =

account.5.codec.g726_40.enable =
account.5.codec.g726_40.priority =

account.5.codec.ilbc.enable =
account.5.codec.ilbc.priority =

account.5.codec.pcmu.enable =
account.5.codec.pcmu.priority =

account.5.codec.pcma.enable =
account.5.codec.pcma.priority =

account.5.codec.opus.enable =
account.5.codec.opus.priority =

##############################################################################
#############
##                                    RTCP-XR
##
```

```
##############################################################################
#############
account.5.vq_rtcpxr.collector_server_host =
account.5.vq_rtcpxr.collector_name =
account.5.vq_rtcpxr.collector_server_port =


##############################################################################
#############
##                              Call Forward
##
##############################################################################
#############
#Enable or disable the always forward, 0-Disabled(default), 1-Enabled;
account.5.always_fwd.enable =

#Configure the target phonenumber that the phone will forward the call to;
account.5.always_fwd.target =

#Configure the on/off code for always forward;
account.5.always_fwd.off_code =
account.5.always_fwd.on_code =


#Enable or disable the busy forward, 0-Disabled(default), 1-Enabled;
account.5.busy_fwd.enable =
account.5.busy_fwd.target =

account.5.busy_fwd.off_code =
account.5.busy_fwd.on_code =


#Enable or disable the no answer forward, 0-Disabled(default), 1-Enabled;
#Configure the waiting ring times before forwarding, ranges from 0 to 20
(by default);
account.5.timeout_fwd.enable =
account.5.timeout_fwd.target =
account.5.timeout_fwd.timeout =

account.5.timeout_fwd.off_code =
account.5.timeout_fwd.on_code =

##############################################################################
#############
##                            DND
##
##############################################################################
#############

#Enable or disable the DND feautre for account2; 0-Disabled (default), 1-
Enabled;
account.5.dnd.enable =

#Configure the DND on code and off code for account1.
account.5.dnd.on_code =
account.5.dnd.off_code =

##############################################################################
#############
##                             Register Advanced
##
```

```
##############################################################################
#############
account.5.sip_server_type = 2
account.5.unregister_on_reboot =
account.5.proxy_require =
account.5.register_expires_overlap =

##############################################################################
#############
##                                    Network Conference
##
##############################################################################
#############
account.5.conf_type =
account.5.conf_uri = %BWNETWORK-CONFERENCE-SIPURI-5%


##############################################################################
#############
##         Broadsoft XSI
##
##############################################################################
#############
##It configures the user name for XSI authentication for account
X.Example:account.5.xsi.user = 3502@as.iop1.broadworks.net.
##The default value is blank.
account.5.xsi.user = %BWLOGIN-ID-5%

##It configures the password for XSI authentication for account
X.Example:account.5.xsi.password = 123456.
##The default value is blank.
account.5.xsi.password = %XSIPASSWORD-5%

##It configures the access URL of the Xtended Services Platform server for
account X.Example:account.5.xsi.host = xsp1.iop1.broadworks.net.
##The default value is blank.
account.5.xsi.host = %XSP_ADDRESS%

##It configures the server type of the Xtended Services Platform server
for account X.Example:account.5.xsi.server_type = http.
##The default value is http.
account.5.xsi.server_type =

##It configures the server port of the Xtended Services Platform server
for account X.Example:account.5.xsi.port = 80.
##The default value is 80.Integer from 1 to 65535
account.5.xsi.port =


#V80 Add
account.5.custom_ua =

##V81 Add
account.5.refresh_remote_id.enable=0

account.5.check_cseq.enable =
account.5.check_to_tag.enable =
account.5.hold_use_inactive =
account.5.line_seize.expires =
account.5.xsi.custom_url =
account.5.update_ack_while_dialing =
account.5.sub_fail_retry_interval =
```

```
account.5.sip_server.1.failback_subscribe.enable =
account.5.sip_server.2.failback_subscribe.enable =
account.5.sip_server.1.invite_retry_counts =
account.5.sip_server.2.invite_retry_counts =
account.5.sip_server.1.only_signal_with_registered =
account.5.sip_server.2.only_signal_with_registered =

##############################################################################
#############
##                                    Call Park
##
##############################################################################
#############
account.5.callpark_enable=

##############################################################################
#############
##                                    Account6 Settings
##
##############################################################################
#############

#Enable or disable the account 1; 0-Disabled (default), 1-Enabled;
account.6.enable = %BWLINE-BINARY-6%

#Configure the label displayed on the LCD screen for account 1.
account.6.label = %BWEXTENSION-6%

#Configure the display name of account 1.
account.6.display_name = %BWCLID-6%

#Configure the username and password for register authentication.
account.6.auth_name = %BWAUTHUSER-6%
account.6.password = %BWAUTHPASSWORD-6%

#Configure the register user name.
account.6.user_name = %BWLINEPORT-6%



#Enable or disable to use the outbound proxy server; 0-Disabled (default),
1-Enabled;
account.6.outbound_proxy_enable = %USE_SBC_BOOLEAN%

account.6.outbound_proxy.1.address = %SBC_ADDRESS%
account.6.outbound_proxy.1.port = %SBC_PORT%
account.6.outbound_proxy.2.address=
account.6.outbound_proxy.2.port=

account.6.outbound_proxy_fallback_interval =

#Enable or disable the anonymous call feature; 0-Disabled (default), 1-
Enabled;
account.6.anonymous_call =

#Configure the on code and off code of the anonymous call feature.
account.6.send_anonymous_code =
account.6.anonymous_call_oncode =
account.6.anonymous_call_offcode =

account.6.anonymous_reject_oncode =
```

```
#Enable or disable the reject anonymous call feature; 0-Disabled
(default), 1-Enabled;
account.6.reject_anonymous_call = %REJECT_ANONYMOUS_CALL_BINARY%

#Configure the on code and off code of the reject anonymous call feature.
account.6.send_anonymous_rejection_code =
account.6.anonymous_reject_oncode =
account.6.anonymous_reject_offcode =

#Enable or disable the 100 reliable retransmission; 0-Disabled, 1-Enabled
(default);
account.6.100rel_enable =


#Enable or disable the phone to subscribe the register status; 0-Disabled
(default), 1-Enabled;
account.6.subscribe_register =

account.6.subscribe_expires_overlap =

#Enable or disable the phone to subscribe the message waiting indicator;
0-Disabled (default), 1-Enabled;
account.6.subscribe_mwi =

#Configure MWI subscribe expiry time (in seconds). It ranges from 0 to
84600, the default value is 3600.
account.6.subscribe_mwi_expires =

account.6.display_mwi.enable =

#Configure the type of SIP header to carry the caller ID; 0-FROM
(default), 1-PAI;
account.6.cid_source =

#Enable or disable the session timer; 0-Disabled (default), 1-Enabled;
account.6.session_timer.enable =

#Configure the refresh session timer interval (in seconds). It ranges from
1 to 9999.
account.6.session_timer.expires =

#Configure the session timer refresher; 0-Uac (default), 1-Uas;
account.6.session_timer.refresher =

#Enable or disable the "user=phone"; 0-Disabled (default), 1-Enabled;
account.6.enable_user_equal_phone =

#Configure the way of encrypting the message; 0-Disabled (default), 1-
Forced, 2-Negotiated;
account.6.srtp_encryption =

#Configure the RTP packet time. The valid values are 0 (Disabled), 10, 20
(default), 30, 40, 50, 60.
account.6.ptime =

#Enable or disable the phone to subscribe to the voicemail through the
message waiting indicator; 0-Disabled (default), 1-Enabled;
account.6.subscribe_mwi_to_vm =

#Enable or disable the phone to send the MAC address in the Register
message; 0-Disabled (default), 1-Enabled;
account.6.register_mac =
```

```
#Enable or disable the phone to send the line number in the Register
message; 0-Disabled, 1-Enabled (default);
account.6.register_line =

#Configure the interval (in seconds) the phone retries to register when
account 1 fails to register. It ranges from 0 to 1800, the default value
is 30.
account.6.reg_fail_retry_interval =

account.6.reg_failed_retry_min_time =
account.6.reg_failed_retry_max_time =

#Configure the DTMF type; 0-INBAND, 1-RFC2833 (default), 2-SIP INFO, 3-
AUTO+SIP INFO;
account.6.dtmf.type =

#Configure the RFC2833 payload. It ranges from 96 to 225, the default
value is 101.
account.6.dtmf.dtmf_payload =

#Configure the DTMF info type when using the SIP INFO; 0-Disabled, 1-DTMF-
Relay (default), 2-DTMF, 3-Telephone-Event;
account.6.dtmf.info_type =

account.6.auto_dial_num =
account.6.auto_dial_enable =

account.6.cid_source_privacy =
account.6.cid_source_ppi =
account.6.cp_source =

voice_mail.number.6 = %BWVOICE-PORTAL-NUMBER-6%

account.6.shared_line = %BWSHAREDLINE-BINARY-6%
account.6.transfer_refer_to_contact_header.enable =
account.6.blf.subscribe_period =
##############################################################################
#############
##                            Failback
##
##############################################################################
#############
account.6.naptr_build =
account.6.fallback.redundancy_type =
account.6.fallback.timeout =
account.6.sip_server.1.address = %BWHOST-6%
account.6.sip_server.1.port =
account.6.sip_server.1.expires =
account.6.sip_server.1.retry_counts =
account.6.sip_server.1.failback_mode =
account.6.sip_server.1.failback_timeout =
account.6.sip_server.1.register_on_enable =
account.6.sip_server.1.transport_type = %TRANSPORT%

account.6.sip_server.2.address =
account.6.sip_server.2.port =
account.6.sip_server.2.expires =
account.6.sip_server.2.retry_counts =
account.6.sip_server.2.failback_mode =
account.6.sip_server.2.failback_timeout =
account.6.sip_server.2.register_on_enable =
```

```
account.6.sip_server.2.transport_type = %TRANSPORT%

account.6.dns_cache_type =
account.6.static_cache_pri = %STATIC-CACHE-PRI%



##########################################################################
#############
##                                    NAT Settings
##
##########################################################################
#############

#Enable or disable the NAT traversal; 0-Disabled (default), 1-STUN;
account.6.nat.nat_traversal =

#Enable or disable the NAT keep-alive; 0-Disabled, 1-Enabled (default);
account.6.nat.udp_update_enable =

#Specify the keep-alive interval (in seconds), the default value is 30.
account.6.nat.udp_update_time =

#Enable or disable the NAT Rport; 0-Disabled (default), 1-Enabled;
account.6.nat.rport =


##########################################################################
#############
##                                    Codec
##
##########################################################################
#############
account.6.codec.g722.enable =
account.6.codec.g722.priority =

account.6.codec.g729.enable =
account.6.codec.g729.priority =

account.6.codec.g726_16.enable =
account.6.codec.g726_16.priority =

account.6.codec.g726_24.enable =
account.6.codec.g726_24.priority =

account.6.codec.g726_32.enable =
account.6.codec.g726_32.priority =

account.6.codec.g726_40.enable =
account.6.codec.g726_40.priority =

account.6.codec.ilbc.enable =
account.6.codec.ilbc.priority =

account.6.codec.pcmu.enable =
account.6.codec.pcmu.priority =

account.6.codec.pcma.enable =
account.6.codec.pcma.priority =

account.6.codec.opus.enable =
account.6.codec.opus.priority =
```

```
##############################################################################
#############
##                                    RTCP-XR
##
##############################################################################
#############
account.6.vq_rtcpxr.collector_server_host =
account.6.vq_rtcpxr.collector_name =
account.6.vq_rtcpxr.collector_server_port =


##############################################################################
#############
##                              Call Forward
##
##############################################################################
#############
#Enable or disable the always forward, 0-Disabled(default), 1-Enabled;
account.6.always_fwd.enable =

#Configure the target phonenumber that the phone will forward the call to;
account.6.always_fwd.target =

#Configure the on/off code for always forward;
account.6.always_fwd.off_code =
account.6.always_fwd.on_code =


#Enable or disable the busy forward, 0-Disabled(default), 1-Enabled;
account.6.busy_fwd.enable =
account.6.busy_fwd.target =

account.6.busy_fwd.off_code =
account.6.busy_fwd.on_code =


#Enable or disable the no answer forward, 0-Disabled(default), 1-Enabled;
#Configure the waiting ring times before forwarding, ranges from 0 to 20
(by default);
account.6.timeout_fwd.enable =
account.6.timeout_fwd.target =
account.6.timeout_fwd.timeout =

account.6.timeout_fwd.off_code =
account.6.timeout_fwd.on_code =

##############################################################################
#############
##                            DND
##
##############################################################################
#############

#Enable or disable the DND feautre for account2; 0-Disabled (default), 1-
Enabled;
account.6.dnd.enable =

#Configure the DND on code and off code for account1.
account.6.dnd.on_code =
account.6.dnd.off_code =
```

```
##############################################################################
#############
##                            Register Advanced
##
##############################################################################
#############
account.6.sip_server_type = 2
account.6.unregister_on_reboot =
account.6.proxy_require =
account.6.register_expires_overlap =

##############################################################################
#############
##                                    Network Conference
##
##############################################################################
#############
account.6.conf_type =
account.6.conf_uri = %BWNETWORK-CONFERENCE-SIPURI-6%


##############################################################################
#############
##         Broadsoft XSI
##
##############################################################################
#############
##It configures the user name for XSI authentication for account
X.Example:account.6.xsi.user = 3502@as.iop1.broadworks.net.
##The default value is blank.
account.6.xsi.user = %BWLOGIN-ID-6%

##It configures the password for XSI authentication for account
X.Example:account.6.xsi.password = 123456.
##The default value is blank.
account.6.xsi.password = %XSIPASSWORD-6%

##It configures the access URL of the Xtended Services Platform server for
account X.Example:account.6.xsi.host = xsp1.iop1.broadworks.net.
##The default value is blank.
account.6.xsi.host = %XSP_ADDRESS%

##It configures the server type of the Xtended Services Platform server
for account X.Example:account.6.xsi.server_type = http.
##The default value is http.
account.6.xsi.server_type =

##It configures the server port of the Xtended Services Platform server
for account X.Example:account.6.xsi.port = 80.
##The default value is 80.Integer from 1 to 65535
account.6.xsi.port =


#V80 Add
account.6.custom_ua =

##V81 Add
account.6.refresh_remote_id.enable=0

account.6.check_cseq.enable =
account.6.check_to_tag.enable =
account.6.hold_use_inactive =
```

```
account.6.line_seize.expires =
account.6.xsi.custom_url =
account.6.update_ack_while_dialing =
account.6.sub_fail_retry_interval =
account.6.sip_server.1.failback_subscribe.enable =
account.6.sip_server.2.failback_subscribe.enable =
account.6.sip_server.1.invite_retry_counts =
account.6.sip_server.2.invite_retry_counts =
account.6.sip_server.1.only_signal_with_registered =
account.6.sip_server.2.only_signal_with_registered =

##############################################################################
#############
##                                    Call Park
##
##############################################################################
#############
account.6.callpark_enable=

##############################################################################
#############
##                                    Account7 Settings
##
##############################################################################
#############

#Enable or disable the account 1; 0-Disabled (default), 1-Enabled;
account.7.enable = %BWLINE-BINARY-7%

#Configure the label displayed on the LCD screen for account 1.
account.7.label = %BWEXTENSION-7%

#Configure the display name of account 1.
account.7.display_name = %BWCLID-7%

#Configure the username and password for register authentication.
account.7.auth_name = %BWAUTHUSER-7%
account.7.password = %BWAUTHPASSWORD-7%

#Configure the register user name.
account.7.user_name = %BWLINEPORT-7%



#Enable or disable to use the outbound proxy server; 0-Disabled (default),
1-Enabled;
account.7.outbound_proxy_enable = %USE_SBC_BOOLEAN%

account.7.outbound_proxy.1.address = %SBC_ADDRESS%
account.7.outbound_proxy.1.port = %SBC_PORT%
account.7.outbound_proxy.2.address=
account.7.outbound_proxy.2.port=

account.7.outbound_proxy_fallback_interval =

#Enable or disable the anonymous call feature; 0-Disabled (default), 1-
Enabled;
account.7.anonymous_call =

#Configure the on code and off code of the anonymous call feature.
account.7.send_anonymous_code =
account.7.anonymous_call_oncode =
```

```
account.7.anonymous_call_offcode =

account.7.anonymous_reject_oncode =

#Enable or disable the reject anonymous call feature; 0-Disabled
(default), 1-Enabled;
account.7.reject_anonymous_call = %REJECT_ANONYMOUS_CALL_BINARY%

#Configure the on code and off code of the reject anonymous call feature.
account.7.send_anonymous_rejection_code =
account.7.anonymous_reject_oncode =
account.7.anonymous_reject_offcode =

#Enable or disable the 100 reliable retransmission; 0-Disabled, 1-Enabled
(default);
account.7.100rel_enable =


#Enable or disable the phone to subscribe the register status; 0-Disabled
(default), 1-Enabled;
account.7.subscribe_register =

account.7.subscribe_expires_overlap =

#Enable or disable the phone to subscribe the message waiting indicator;
0-Disabled (default), 1-Enabled;
account.7.subscribe_mwi =

#Configure MWI subscribe expiry time (in seconds). It ranges from 0 to
84600, the default value is 3600.
account.7.subscribe_mwi_expires =

account.7.display_mwi.enable =

#Configure the type of SIP header to carry the caller ID; 0-FROM
(default), 1-PAI;
account.7.cid_source =

#Enable or disable the session timer; 0-Disabled (default), 1-Enabled;
account.7.session_timer.enable =

#Configure the refresh session timer interval (in seconds). It ranges from
1 to 9999.
account.7.session_timer.expires =

#Configure the session timer refresher; 0-Uac (default), 1-Uas;
account.7.session_timer.refresher =

#Enable or disable the "user=phone"; 0-Disabled (default), 1-Enabled;
account.7.enable_user_equal_phone =

#Configure the way of encrypting the message; 0-Disabled (default), 1-
Forced, 2-Negotiated;
account.7.srtp_encryption =

#Configure the RTP packet time. The valid values are 0 (Disabled), 10, 20
(default), 30, 40, 50, 60.
account.7.ptime =

#Enable or disable the phone to subscribe to the voicemail through the
message waiting indicator; 0-Disabled (default), 1-Enabled;
account.7.subscribe_mwi_to_vm =
```

```
#Enable or disable the phone to send the MAC address in the Register
message; 0-Disabled (default), 1-Enabled;
account.7.register_mac =

#Enable or disable the phone to send the line number in the Register
message; 0-Disabled, 1-Enabled (default);
account.7.register_line =

#Configure the interval (in seconds) the phone retries to register when
account 1 fails to register. It ranges from 0 to 1800, the default value
is 30.
account.7.reg_fail_retry_interval =

account.7.reg_failed_retry_min_time =
account.7.reg_failed_retry_max_time =

#Configure the DTMF type; 0-INBAND, 1-RFC2833 (default), 2-SIP INFO, 3-
AUTO+SIP INFO;
account.7.dtmf.type =

#Configure the RFC2833 payload. It ranges from 96 to 225, the default
value is 101.
account.7.dtmf.dtmf_payload =

#Configure the DTMF info type when using the SIP INFO; 0-Disabled, 1-DTMF-
Relay (default), 2-DTMF, 3-Telephone-Event;
account.7.dtmf.info_type =

account.7.auto_dial_num =
account.7.auto_dial_enable =

account.7.cid_source_privacy =
account.7.cid_source_ppi =
account.7.cp_source =

voice_mail.number.7 = %BWVOICE-PORTAL-NUMBER-7%

account.7.shared_line = %BWSHAREDLINE-BINARY-7%
account.7.transfer_refer_to_contact_header.enable =
account.7.blf.subscribe_period =
##############################################################################
#############
##                            Failback
##
##############################################################################
#############
account.7.naptr_build =
account.7.fallback.redundancy_type =
account.7.fallback.timeout =
account.7.sip_server.1.address = %BWHOST-7%
account.7.sip_server.1.port =
account.7.sip_server.1.expires =
account.7.sip_server.1.retry_counts =
account.7.sip_server.1.failback_mode =
account.7.sip_server.1.failback_timeout =
account.7.sip_server.1.register_on_enable =
account.7.sip_server.1.transport_type = %TRANSPORT%

account.7.sip_server.2.address =
account.7.sip_server.2.port =
account.7.sip_server.2.expires =
```

```
account.7.sip_server.2.retry_counts =
account.7.sip_server.2.failback_mode =
account.7.sip_server.2.failback_timeout =
account.7.sip_server.2.register_on_enable =
account.7.sip_server.2.transport_type = %TRANSPORT%

account.7.dns_cache_type =
account.7.static_cache_pri = %STATIC-CACHE-PRI%



##############################################################################
#############
##                                    NAT Settings
##
##############################################################################
#############

#Enable or disable the NAT traversal; 0-Disabled (default), 1-STUN;
account.7.nat.nat_traversal =

#Enable or disable the NAT keep-alive; 0-Disabled, 1-Enabled (default);
account.7.nat.udp_update_enable =

#Specify the keep-alive interval (in seconds), the default value is 30.
account.7.nat.udp_update_time =

#Enable or disable the NAT Rport; 0-Disabled (default), 1-Enabled;
account.7.nat.rport =


##############################################################################
#############
##                                    Codec
##
##############################################################################
#############
account.7.codec.g722.enable =
account.7.codec.g722.priority =

account.7.codec.g729.enable =
account.7.codec.g729.priority =

account.7.codec.g726_16.enable =
account.7.codec.g726_16.priority =

account.7.codec.g726_24.enable =
account.7.codec.g726_24.priority =

account.7.codec.g726_32.enable =
account.7.codec.g726_32.priority =

account.7.codec.g726_40.enable =
account.7.codec.g726_40.priority =

account.7.codec.ilbc.enable =
account.7.codec.ilbc.priority =

account.7.codec.pcmu.enable =
account.7.codec.pcmu.priority =

account.7.codec.pcma.enable =
```

```
account.7.codec.pcma.priority =

account.7.codec.opus.enable =
account.7.codec.opus.priority =

##############################################################################
#############
##                                    RTCP-XR
##
##############################################################################
#############
account.7.vq_rtcpxr.collector_server_host =
account.7.vq_rtcpxr.collector_name =
account.7.vq_rtcpxr.collector_server_port =


##############################################################################
#############
##                              Call Forward
##
##############################################################################
#############
#Enable or disable the always forward, 0-Disabled(default), 1-Enabled;
account.7.always_fwd.enable =

#Configure the target phonenumber that the phone will forward the call to;
account.7.always_fwd.target =

#Configure the on/off code for always forward;
account.7.always_fwd.off_code =
account.7.always_fwd.on_code =


#Enable or disable the busy forward, 0-Disabled(default), 1-Enabled;
account.7.busy_fwd.enable =
account.7.busy_fwd.target =

account.7.busy_fwd.off_code =
account.7.busy_fwd.on_code =


#Enable or disable the no answer forward, 0-Disabled(default), 1-Enabled;
#Configure the waiting ring times before forwarding, ranges from 0 to 20
(by default);
account.7.timeout_fwd.enable =
account.7.timeout_fwd.target =
account.7.timeout_fwd.timeout =

account.7.timeout_fwd.off_code =
account.7.timeout_fwd.on_code =

##############################################################################
#############
##                            DND
##
##############################################################################
#############

#Enable or disable the DND feautre for account2; 0-Disabled (default), 1-
Enabled;
account.7.dnd.enable =
```

```
#Configure the DND on code and off code for account1.
account.7.dnd.on_code =
account.7.dnd.off_code =

##############################################################################
#############
##                            Register Advanced
##
##############################################################################
#############
account.7.sip_server_type = 2
account.7.unregister_on_reboot =
account.7.proxy_require =
account.7.register_expires_overlap =

##############################################################################
#############
##                                    Network Conference
##
##############################################################################
#############
account.7.conf_type =
account.7.conf_uri = %BWNETWORK-CONFERENCE-SIPURI-7%


##############################################################################
#############
##         Broadsoft XSI
##
##############################################################################
#############
##It configures the user name for XSI authentication for account
X.Example:account.7.xsi.user = 3502@as.iop1.broadworks.net.
##The default value is blank.
account.7.xsi.user = %BWLOGIN-ID-7%

##It configures the password for XSI authentication for account
X.Example:account.7.xsi.password = 123456.
##The default value is blank.
account.7.xsi.password = %XSIPASSWORD-7%

##It configures the access URL of the Xtended Services Platform server for
account X.Example:account.7.xsi.host = xsp1.iop1.broadworks.net.
##The default value is blank.
account.7.xsi.host = %XSP_ADDRESS%

##It configures the server type of the Xtended Services Platform server
for account X.Example:account.7.xsi.server_type = http.
##The default value is http.
account.7.xsi.server_type =

##It configures the server port of the Xtended Services Platform server
for account X.Example:account.7.xsi.port = 80.
##The default value is 80.Integer from 1 to 65535
account.7.xsi.port =


#V80 Add
account.7.custom_ua =

##V81 Add
account.7.refresh_remote_id.enable=0
```

```
account.7.check_cseq.enable =
account.7.check_to_tag.enable =
account.7.hold_use_inactive =
account.7.line_seize.expires =
account.7.xsi.custom_url =
account.7.update_ack_while_dialing =
account.7.sub_fail_retry_interval =
account.7.sip_server.1.failback_subscribe.enable =
account.7.sip_server.2.failback_subscribe.enable =
account.7.sip_server.1.invite_retry_counts =
account.7.sip_server.2.invite_retry_counts =
account.7.sip_server.1.only_signal_with_registered =
account.7.sip_server.2.only_signal_with_registered =

##############################################################################
#############
##                                    Call Park
##
##############################################################################
#############
account.7.callpark_enable=

##############################################################################
#############
##                                    Account8 Settings
##
##############################################################################
#############

#Enable or disable the account 1; 0-Disabled (default), 1-Enabled;
account.8.enable = %BWLINE-BINARY-8%

#Configure the label displayed on the LCD screen for account 1.
account.8.label = %BWEXTENSION-8%

#Configure the display name of account 1.
account.8.display_name = %BWCLID-8%

#Configure the username and password for register authentication.
account.8.auth_name = %BWAUTHUSER-8%
account.8.password = %BWAUTHPASSWORD-8%

#Configure the register user name.
account.8.user_name = %BWLINEPORT-8%



#Enable or disable to use the outbound proxy server; 0-Disabled (default),
1-Enabled;
account.8.outbound_proxy_enable = %USE_SBC_BOOLEAN%

account.8.outbound_proxy.1.address = %SBC_ADDRESS%
account.8.outbound_proxy.1.port = %SBC_PORT%
account.8.outbound_proxy.2.address=
account.8.outbound_proxy.2.port=

account.8.outbound_proxy_fallback_interval =

#Enable or disable the anonymous call feature; 0-Disabled (default), 1-
Enabled;
account.8.anonymous_call =
```

```
#Configure the on code and off code of the anonymous call feature.
account.8.send_anonymous_code =
account.8.anonymous_call_oncode =
account.8.anonymous_call_offcode =

account.8.anonymous_reject_oncode =

#Enable or disable the reject anonymous call feature; 0-Disabled
(default), 1-Enabled;
account.8.reject_anonymous_call = %REJECT_ANONYMOUS_CALL_BINARY%

#Configure the on code and off code of the reject anonymous call feature.
account.8.send_anonymous_rejection_code =
account.8.anonymous_reject_oncode =
account.8.anonymous_reject_offcode =

#Enable or disable the 100 reliable retransmission; 0-Disabled, 1-Enabled
(default);
account.8.100rel_enable =


#Enable or disable the phone to subscribe the register status; 0-Disabled
(default), 1-Enabled;
account.8.subscribe_register =

account.8.subscribe_expires_overlap =

#Enable or disable the phone to subscribe the message waiting indicator;
0-Disabled (default), 1-Enabled;
account.8.subscribe_mwi =

#Configure MWI subscribe expiry time (in seconds). It ranges from 0 to
84600, the default value is 3600.
account.8.subscribe_mwi_expires =

account.8.display_mwi.enable =

#Configure the type of SIP header to carry the caller ID; 0-FROM
(default), 1-PAI;
account.8.cid_source =

#Enable or disable the session timer; 0-Disabled (default), 1-Enabled;
account.8.session_timer.enable =

#Configure the refresh session timer interval (in seconds). It ranges from
1 to 9999.
account.8.session_timer.expires =

#Configure the session timer refresher; 0-Uac (default), 1-Uas;
account.8.session_timer.refresher =

#Enable or disable the "user=phone"; 0-Disabled (default), 1-Enabled;
account.8.enable_user_equal_phone =

#Configure the way of encrypting the message; 0-Disabled (default), 1-
Forced, 2-Negotiated;
account.8.srtp_encryption =

#Configure the RTP packet time. The valid values are 0 (Disabled), 10, 20
(default), 30, 40, 50, 60.
account.8.ptime =
```

```
#Enable or disable the phone to subscribe to the voicemail through the
message waiting indicator; 0-Disabled (default), 1-Enabled;
account.8.subscribe_mwi_to_vm =

#Enable or disable the phone to send the MAC address in the Register
message; 0-Disabled (default), 1-Enabled;
account.8.register_mac =

#Enable or disable the phone to send the line number in the Register
message; 0-Disabled, 1-Enabled (default);
account.8.register_line =

#Configure the interval (in seconds) the phone retries to register when
account 1 fails to register. It ranges from 0 to 1800, the default value
is 30.
account.8.reg_fail_retry_interval =

account.8.reg_failed_retry_min_time =
account.8.reg_failed_retry_max_time =

#Configure the DTMF type; 0-INBAND, 1-RFC2833 (default), 2-SIP INFO, 3-
AUTO+SIP INFO;
account.8.dtmf.type =

#Configure the RFC2833 payload. It ranges from 96 to 225, the default
value is 101.
account.8.dtmf.dtmf_payload =

#Configure the DTMF info type when using the SIP INFO; 0-Disabled, 1-DTMF-
Relay (default), 2-DTMF, 3-Telephone-Event;
account.8.dtmf.info_type =

account.8.auto_dial_num =
account.8.auto_dial_enable =

account.8.cid_source_privacy =
account.8.cid_source_ppi =
account.8.cp_source =

voice_mail.number.8 = %BWVOICE-PORTAL-NUMBER-8%

account.8.shared_line = %BWSHAREDLINE-BINARY-8%
account.8.transfer_refer_to_contact_header.enable =
account.8.blf.subscribe_period =
##############################################################################
#############
##                           Failback
##
##############################################################################
#############
account.8.naptr_build =
account.8.fallback.redundancy_type =
account.8.fallback.timeout =
account.8.sip_server.1.address = %BWHOST-8%
account.8.sip_server.1.port =
account.8.sip_server.1.expires =
account.8.sip_server.1.retry_counts =
account.8.sip_server.1.failback_mode =
account.8.sip_server.1.failback_timeout =
account.8.sip_server.1.register_on_enable =
account.8.sip_server.1.transport_type = %TRANSPORT%
```

```
account.8.sip_server.2.address =
account.8.sip_server.2.port =
account.8.sip_server.2.expires =
account.8.sip_server.2.retry_counts =
account.8.sip_server.2.failback_mode =
account.8.sip_server.2.failback_timeout =
account.8.sip_server.2.register_on_enable =
account.8.sip_server.2.transport_type = %TRANSPORT%

account.8.dns_cache_type =
account.8.static_cache_pri = %STATIC-CACHE-PRI%



##############################################################################
#############
##                                    NAT Settings
##
##############################################################################
#############

#Enable or disable the NAT traversal; 0-Disabled (default), 1-STUN;
account.8.nat.nat_traversal =

#Enable or disable the NAT keep-alive; 0-Disabled, 1-Enabled (default);
account.8.nat.udp_update_enable =

#Specify the keep-alive interval (in seconds), the default value is 30.
account.8.nat.udp_update_time =

#Enable or disable the NAT Rport; 0-Disabled (default), 1-Enabled;
account.8.nat.rport =


##############################################################################
#############
##                                    Codec
##
##############################################################################
#############
account.8.codec.g722.enable =
account.8.codec.g722.priority =

account.8.codec.g729.enable =
account.8.codec.g729.priority =

account.8.codec.g726_16.enable =
account.8.codec.g726_16.priority =

account.8.codec.g726_24.enable =
account.8.codec.g726_24.priority =

account.8.codec.g726_32.enable =
account.8.codec.g726_32.priority =

account.8.codec.g726_40.enable =
account.8.codec.g726_40.priority =

account.8.codec.ilbc.enable =
account.8.codec.ilbc.priority =
```

```
account.8.codec.pcmu.enable =
account.8.codec.pcmu.priority =

account.8.codec.pcma.enable =
account.8.codec.pcma.priority =

account.8.codec.opus.enable =
account.8.codec.opus.priority =

##############################################################################
#############
##                                    RTCP-XR
##
##############################################################################
#############
account.8.vq_rtcpxr.collector_server_host =
account.8.vq_rtcpxr.collector_name =
account.8.vq_rtcpxr.collector_server_port =


##############################################################################
#############
##                              Call Forward
##
##############################################################################
#############
#Enable or disable the always forward, 0-Disabled(default), 1-Enabled;
account.8.always_fwd.enable =

#Configure the target phonenumber that the phone will forward the call to;
account.8.always_fwd.target =

#Configure the on/off code for always forward;
account.8.always_fwd.off_code =
account.8.always_fwd.on_code =


#Enable or disable the busy forward, 0-Disabled(default), 1-Enabled;
account.8.busy_fwd.enable =
account.8.busy_fwd.target =

account.8.busy_fwd.off_code =
account.8.busy_fwd.on_code =


#Enable or disable the no answer forward, 0-Disabled(default), 1-Enabled;
#Configure the waiting ring times before forwarding, ranges from 0 to 20
(by default);
account.8.timeout_fwd.enable =
account.8.timeout_fwd.target =
account.8.timeout_fwd.timeout =

account.8.timeout_fwd.off_code =
account.8.timeout_fwd.on_code =

##############################################################################
#############
##                            DND
##
##############################################################################
#############
```

```
#Enable or disable the DND feautre for account2; 0-Disabled (default), 1-
Enabled;
account.8.dnd.enable =

#Configure the DND on code and off code for account1.
account.8.dnd.on_code =
account.8.dnd.off_code =

##############################################################################
#############
##                            Register Advanced
##
##############################################################################
#############
account.8.sip_server_type = 2
account.8.unregister_on_reboot =
account.8.proxy_require =
account.8.register_expires_overlap =

##############################################################################
#############
##                                     Network Conference
##
##############################################################################
#############
account.8.conf_type =
account.8.conf_uri = %BWNETWORK-CONFERENCE-SIPURI-8%


##############################################################################
#############
##         Broadsoft XSI
##
##############################################################################
#############
##It configures the user name for XSI authentication for account
X.Example:account.8.xsi.user = 3502@as.iop1.broadworks.net.
##The default value is blank.
account.8.xsi.user = %BWLOGIN-ID-8%

##It configures the password for XSI authentication for account
X.Example:account.8.xsi.password = 123456.
##The default value is blank.
account.8.xsi.password = %XSIPASSWORD-8%

##It configures the access URL of the Xtended Services Platform server for
account X.Example:account.8.xsi.host = xsp1.iop1.broadworks.net.
##The default value is blank.
account.8.xsi.host = %XSP_ADDRESS%

##It configures the server type of the Xtended Services Platform server
for account X.Example:account.8.xsi.server_type = http.
##The default value is http.
account.8.xsi.server_type =

##It configures the server port of the Xtended Services Platform server
for account X.Example:account.8.xsi.port = 80.
##The default value is 80.Integer from 1 to 65535
account.8.xsi.port =


#V80 Add
```

```
account.8.custom_ua =
##V81 Add
account.8.refresh_remote_id.enable=0

account.8.check_cseq.enable =
account.8.check_to_tag.enable =
account.8.hold_use_inactive =
account.8.line_seize.expires =
account.8.xsi.custom_url =
account.8.update_ack_while_dialing =
account.8.sub_fail_retry_interval =
account.8.sip_server.1.failback_subscribe.enable =
account.8.sip_server.2.failback_subscribe.enable =
account.8.sip_server.1.invite_retry_counts =
account.8.sip_server.2.invite_retry_counts =
account.8.sip_server.1.only_signal_with_registered =
account.8.sip_server.2.only_signal_with_registered =

##############################################################################
#############
##                                    Call Park
##
##############################################################################
#############
account.8.callpark_enable=

##############################################################################
#############
##                                  Broadsoft Setting
##
##############################################################################
#############
bw.enable = 1

###It enables or disables feature key synchronization.
###0-Disabled,1-Enabled.
###The default value is 0.
features.feature_key_sync.enable = %FEATURE_SYNC%


##############################################################################
#############
##                                    Broadsoft Phonebook
##
##############################################################################
#############
bw_phonebook.custom =
bw_phonebook.enterprise_common_displayname =
bw_phonebook.enterprise_common_enable = 1
bw_phonebook.enterprise_displayname = %BWENTERPRISEID-
1%%BWSERVICEPROVIDERID-1%
bw_phonebook.enterprise_enable = 1
bw_phonebook.group_common_displayname =
bw_phonebook.group_common_enable = 1
bw_phonebook.group_displayname = %BWGROUPID-1%
bw_phonebook.group_enable = 1
bw_phonebook.personal_displayname =
bw_phonebook.personal_enable =1

directory.update_time_interval =
```

```
##############################################################################
#############
##                                    Call Park
##
##############################################################################
#############

features.call_park.enable = %FEATURE_BW_CALL_PARK%
features.call_park.group_enable = %FEATURE_BW_CALL_PARK%
features.call_park.park_ring = %FEATURE_BW_CALL_PARK%
features.call_park.park_visual_notify_enable = %FEATURE_BW_CALL_PARK%
features.call_park.group_park_code =
features.call_park.park_code =
features.call_park.park_mode = 1
features.call_park.park_retrieve_code =

##############################################################################
#############
##                                    Network
##
##############################################################################
#############

#Configure the WAN port type; 0-DHCP(default), 2-Static IP Address;
#Require reboot;
static.network.internet_port.type =

#Configure the static IP address, submask, gateway and DNS server.
#Require reboot;
static.network.internet_port.ip =
static.network.internet_port.mask =
static.network.internet_port.gateway =
static.network.primary_dns= %DNS_SERVER_1%
static.network.secondary_dns = %DNS_SERVER_2%

static.network.ip_address_mode =
static.network.ipv6_static_dns_enable =
static.network.ipv6_prefix =
static.network.ipv6_primary_dns =
static.network.ipv6_secondary_dns =
static.network.ipv6_internet_port.type =
static.network.ipv6_internet_port.ip =
static.network.ipv6_internet_port.gateway =

##############################################################################
#############
##                                    Time Settings
##
##############################################################################
#############

#Configure the time zone and time zone name. The time zone ranges from -11
to +12, the default value is +8.
#The default time zone name is China(Beijing).
#local_time.time_zone = +8
#local_time.time_zone_name = China(Beijing)
local_time.time_zone = %BWTIMEZONE-1%
local_time.time_zone_name = %TIMEZONENAME%

#Configure the domain name or the IP address of the NTP server. The
default value is cn.pool.ntp.org.
local_time.ntp_server1 = %SNTP_SERVER_1%
```

```
local_time.ntp_server2 = %SNTP_SERVER_2%

#Configure the update interval (in seconds) when using the NTP server. The
default value is 1000.
local_time.interval =

#Configure the daylight saving time feature; 0-Disabled, 1-Enabled, 2-
Automatic (default);
local_time.summer_time =

#Configure the DST type when the DST feature is enabled; 0-By Date
(default), 1-By Week;
local_time.dst_time_type =

#Configure the start time of DST. The default value is 1/1/0.
#If the DST type is configured as By Date, the value format is
Month/Day/Hour. For example, the value 5/20/10 means the start time is at
10:00 on May 20.
#If the DST type is configured as By Week, the value format is Month/Day
of Week/Day of Week Last in Month/Hour of Day.
#For example, the value 1/4/2/5 means the start time is at 5 o'clock on
Tuesday of the 4th week in January.
local_time.start_time =

#Configure the end time of DST. The default value is 12/31/23. The value
format is the same to the start time.
local_time.end_time =

#Configure the offset time (in minutes). It ranges from -300 to 300, the
default value is 60.
local_time.offset_time =

#Enable or disable the DHCP time, 0-Disabled (default), 1-Enabled;
local_time.dhcp_time =

auto_dst.url =
http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BWDEVICEA
CCESSURI%Autodst.xml


local_time.manual_time_enable =
local_time.manual_ntp_srv_prior =

local_time.time_format =
local_time.date_format =

##############################################################################
#############
##                                    Tone
##
##############################################################################
#############
voice.tone.country = %COUNTRY%
voice.tone.dial =
voice.tone.ring =
voice.tone.busy =
voice.tone.callwaiting =

##############################################################################
#############
##                                    Language Settings
##
```

```
##############################################################################
#############

#Specify the web language, the valid values are: English, Chinese_S,
German, Italian and Turkish;
lang.wui =

static.wui_lang.delete =
static.wui_lang.url =


##############################################################################
#############
##                                    Auto Provisioning
##
##############################################################################
#############
#Configure the username and password for downloading.
static.auto_provision.server.username = %BWDEVICEUSERNAME%
static.auto_provision.server.password = %DEVICE_ACCESS_PWD%

##V81 Add
account.1.simultaneous_outgoing.num =
account.1.outbound_proxy.1.address =
account.1.outbound_proxy.1.port =
account.1.outbound_proxy.1.address =
account.1.outbound_proxy.1.port =
account.1.xsi.custom_url =
bw.xsi.enable =1
bw.xsi.call_log.enable =1
bw.xsi.call_log.multiple_accounts.enable =
```

Default-System File: y000000000077.cfg.def file

NOTE: This is an example file and it should be used for reference only.

```
#!version:1.0.0.1

auto_provision.server.url =
http://xsp1.iop1.broadworks.net:80/dms/Yealink_W60B/
```

Appendix B: %TIMEZONENAME% Values

Time Zone	Time Zone Name
−11:00	Samoa
−10:00	United States-Hawaii-Aleutian
−10:00	United States-Alaska-Aleutian
−09:00	United States-Alaska Time
−08:00	Canada (Vancouver, Whitehorse)
−08:00	Mexico (Tijuana, Mexicali)
−08:00	United States-Pacific Time
−07:00	Canada (Edmonton, Calgary)
−07:00	Mexico (Mazatlán, Chihuahua)
−07:00	United States-Mountain Time
−07:00	United States-MST no DST
−06:00	Canada-Manitoba (Winnipeg)
−06:00	Chile (Easter Islands)
−06:00	Mexico (Mexico City, Acapulco)
−06:00	United States-Central Time
−05:00	Bahamas (Nassau)
−05:00	Canada (Montreal, Ottawa, Quebec)
−05:00	Cuba (Havana)
−05:00	United States-Eastern Time
−04:30	Venezuela (Caracas)
−04:00	Canada (Halifax, Saint John)
−04:00	Chile (Santiago)
−04:00	Paraguay (Asuncion)
−04:00	United Kingdom-Bermuda (Bermuda)
−04:00	United Kingdom (Falkland Islands)
−04:00	Trinidad and Tobago
−03:30	Canada (Newfoundland, St. Johns)
−03:00	Denmark-Greenland (Nuuk)
−03:00	Argentina (Buenos Aires)
−03:00	Brazil (no DST)
−03:00	Brazil (DST)
−02:00	Brazil (no DST)
−01:00	Portugal (Azores)

Time Zone	Time Zone Name
0	GMT
0	Greenland
0	Denmark-Faroe Islands (Torshavn)
0	Ireland (Dublin)
0	Portugal (Lisbon, Porto, Funchal)
0	Spain-Canary Islands (Las Palmas) Administrator's Guide for SIP-W60B IP DECT PHONEs
0	United Kingdom (London)
0	Morocco
+01:00	Albania (Tirana)
+01:00	Austria (Vienna)
+01:00	Belgium (Brussels)
+01:00	Caicos
+01:00	Chad
+01:00	Croatia (Zagreb)
+01:00	Czech Republic (Prague)
+01:00	Denmark (Copenhagen)
+01:00	France (Paris)
+01:00	Germany (Berlin)
+01:00	Hungary (Budapest)
+01:00	Italy (Rome)
+01:00	Luxembourg (Luxembourg)
+01:00	Macedonia (Skopje)
+01:00	Netherlands (Amsterdam)
+01:00	Namibia (Windhoek)
+02:00	Estonia (Tallinn)
+02:00	Finland (Helsinki)
+02:00	Gaza Strip (Gaza)
+02:00	Greece (Athens)
+02:00	Jordan (Amman)
+02:00	Latvia (Riga)
+02:00	Lebanon (Beirut)
+02:00	Moldova (Kishinev)
+02:00	Russia (Kaliningrad)
+02:00	Romania (Bucharest)
+02:00	Turkey (Ankara)

Time Zone	Time Zone Name
+02:00	Ukraine (Kyiv, Odessa)
+03:00	East Africa Time
+03:00	Iraq (Baghdad)
+03:00	Russia (Moscow)
+03:30	Iran (Teheran)
+04:00	Armenia (Yerevan)
+04:00	Azerbaijan (Baku)
+04:00	Georgia (Tbilisi)
+04:00	Kazakhstan (Aktau)
+04:00	Russia (Samara)
+04:30	Afghanistan
+05:00	Kazakhstan (Aktobe)
+05:00	Kyrgyzstan (Bishkek)
+05:00	Pakistan (Islamabad)
+05:00	Russia (Chelyabinsk)
+05:30	India (Calcutta)
+06:00	Kazakhstan (Astana, Almaty)
+06:00	Russia (Novosibirsk, Omsk)
+07:00	Russia (Krasnoyarsk)
+07:00	Thailand (Bangkok)
+08:00	China (Beijing)
+08:00	Singapore (Singapore)
+08:00	Australia (Perth)
+09:00	Korea (Seoul)
+09:00	Japan (Tokyo)
+09:30	Australia (Adelaide)
+09:30	Australia (Darwin)
+10:00	Australia (Sydney, Melbourne, Canberra)
+10:00	Australia (Brisbane)
+10:00	Australia (Hobart)
+10:00	Russia (Vladivostok)
+10:30	Australia (Lord Howe Islands)
+11:00	New Caledonia (Nouméa)
+12:00	New Zealand (Wellington, Auckland)
+12:45	New Zealand (Chatham Islands)

References

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[2] BroadSoft, Inc. 2018. *BroadWorks Device Management Configuration Guide*, *Release 22.0*. Available from BroadSoft at xchange.broadsoft.com.

[3] BroadSoft, Inc. 2017. *BroadWorks Redundancy Guide, Release 22.0*. Available from BroadSoft at xchange.broadsoft.com.

[4] BroadSoft, Inc. 2018. *BroadWorks SIP Access Interface Interworking Guide, Release 22.0*. Available from BroadSoft at xchange.broadsoft.com.

[5] BroadSoft, Inc. 2018. *BroadWorks SIP Phone Interoperability Test Plan, Release 22.0*. Available from BroadSoft at xchange.broadsoft.com.

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