



**ST20XX SIP  
Sylantro SIP-B Features  
(SG vx.58.6)**

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## 1 Sylantro SIP-B

The phone has been widely enriched to support this set of services provided by Sylantro softswitches. SIP-B stands for “SIP for business” and consists of new ways of supporting known features as well as new ones.

## 2 Sip.Instance

St20xx includes the capability of sending this parameter inside Contact header of REGISTER method which allows the server a better identification of the registering UA.

This is recommended by Sylantro but also useful for many other servers supporting it. So it's implemented as generic feature.

### 2.1 Feature activation.

User decides whether the phone will send this parameter or not by a parameter in [sip] section of the APS common or specific-MAC config files:

```
[sip]
...
sip_instance_id=1 (1 is active, 0 by default)
...
```

## 3 New function keys

Three new key types to be created to achieve **last call return**, **group call pickup** and **BLA** features.

- Last call return will automatically call to the last number which made a call towards our phone (in a Sylantro environment).
- Group Call Pickup initiates a Call Pickup without need of entering the target number. Server will act as mediator to pick up the number being called at this moment.
- BLA will be further explained afterwards.

### 3.1 Feature activation.

These keys can be configured by APS, in [sys] section of Common or MAC-specific config files:

[sip]

...

FeatureKeyExt06=G/<sip:groupcallpickup>

FeatureKeyExt0=R/<sip:lcr>

FeatureKeyExt05=B/<sip:4088461001>

...

These values are just an example. Contact with Sylantro providers to obtain your values: probably the first 2 will be the same but BLA depends on your accounts .

Function key containing BLA can also be modified (both its value and its type) or you can create new ones by Web Gui. In menu Advanced -> Call Feature -> Function Key Table:

FK	Type	Destination
F 1	Line	
F 2	Line	
F 3	Line	
F 4	Line	
F 5	BLA	4088461001
F 6	Last Call Return	lcr
F 7	Group Call Picku	groupcallpickup
F 8	Line	
F 9	Line	
F 10	Line	

## 4 Call Park/ Park Retrieve

This is a new way of performing a Call Park and the consequent Retrieving of parked call.

From the users point of view the main change is that they are prompted to enter the number where the current call will be parked when they press “Park” softkey and not prompted for anything when pressing “RetrvPark” (this is automatically done).

### 4.1 Feature activation.

As explained above user doesn’t need to set any value for Orbit extension for using this service.

For activating this kind of Parking, user can use either APS Config files, either common or specific-MAC:

[sip]

...

**CallParkType=2** (0 by default, 1 for SI-like Call Park and 2 for SIP-B Call-Park)

...

Or by Web Gui:

HOME	SETUP	ADVANCED	UTILITY	STATUS	LOGOUT
<input checked="" type="checkbox"/>	Transfer to voice mail				
<input checked="" type="checkbox"/>	Pick up call on another phone				
Shared Call Appearance		<input checked="" type="radio"/> Disable <input type="radio"/> Broadsoft's SCA <input type="radio"/> Sylantro's BLA			
<input type="checkbox"/>	Call Forward Indication				
<input type="checkbox"/>	Call Log Prefix : <input type="text"/>				
<input checked="" type="checkbox"/>	Call Park	<input type="radio"/> Standard Call Park <input type="radio"/> SI-like Call Park <input checked="" type="radio"/> Sylantro's Call Park			
Conference Mode		<input checked="" type="radio"/> Local Conference <input type="radio"/> Network Conference <input type="radio"/> Centralized Conference			
<input type="checkbox"/>	Do Not Disturb	<input checked="" type="radio"/> Permanent <input type="radio"/> Relative <input type="radio"/> Absolute			
		DD, HH : MM <input type="text"/> : <input type="text"/> HH : MM <input type="text"/> : <input type="text"/>			

## 5 Multistage Digit Collection

It has been implemented as a generic feature, not only for Sylantro.

For example the user dials number 1234 and server replies “484 Address Incomplete” SIP error message.

The phone shall display a new screen “Enter extra digits”.

The previous number won't be shown. Only new entries will be displayed.

For example the user enters 5678 (this is typically a billing code in Sylantro environments).

The entry will be validated by OK key press.

The phone shall resend an invite to 12345678.

Only the first number will be stored in the call-log (in the example 1234)

## 6 Calling and called party identity display

It has been implemented as a generic feature.

Calling party identity display: For incoming calls the priority is given to the name in the phonebook, then to the “P-asserted identity” then to the “from” header.

Called party identity display: For outgoing calls, either dialed digits or P-Asserted-identity header content in received 200 OK will be shown.

A new parameter has been created to enable or not the override of the P-asserted identity on the dialed number: P-AssertedIDforCallee. So it must be configured in caller side.

- P-AssertedIDforCallee =0 (default value) means the P-asserted identity will neither be shown nor stored in the dialed call-log. Dialed digits will be used for this purpose.
- P-AssertedIDforCallee =1 means the P-asserted identity will be shown and stored in the dialed call-log.

### 6.1 Feature activation.

This flag can be configured by APS with a new parameter placed on [sip] section of both common and MAC-specific config files:

```
[sip]
...
P-AssertedIDforCallee=1 (0 by default)
...
```

## 7 Centralized Conference

By this feature, 2030 is in compliance with Sylantro SIP-B Conference also named as Centralized conference.

This one consists of the server acting as (embedded in the URI typically named [conf@domain](#)) hub of the n-party call.

### 7.1 Feature activation.

For activating this kind of Conference, user can use either APS Config files, either common or specific-MAC:

```
[sip]
...
ConferenceMode=2 (0 for Local, 1 for Network)
...
```

Or by Web Gui:

HOME	SETUP	ADVANCED	UTILITY	STATUS	LOGOUT
<input checked="" type="checkbox"/>	Transfer to voice mail				
<input checked="" type="checkbox"/>	Pick up call on another phone				
Shared Call Appearance		<input checked="" type="radio"/> Disable <input type="radio"/> Broadsoft's SCA <input type="radio"/> Sylantro's BLA			
<input type="checkbox"/>	Call Forward Indication				
<input type="checkbox"/>	Call Log Prefix : <input type="text"/>				
<input type="checkbox"/>	Call Park	<input type="radio"/> Standard Call Park <input type="radio"/> SI-like Call Park <input checked="" type="radio"/> Sylantro's Call Park			
Conference Mode		<input type="radio"/> Local Conference <input type="radio"/> Network Conference <input checked="" type="radio"/> Centralized Conference			
		<input checked="" type="radio"/> Permanent			
<input type="checkbox"/>	Do Not Disturb	<input type="radio"/> Relative <input type="radio"/> Absolute			
		DD, HH : MM <input type="text"/> , <input type="text"/> : <input type="text"/>			
		HH : MM <input type="text"/> : <input type="text"/>			
DND Response		<input type="radio"/> 480 <input checked="" type="radio"/> 486 <input type="radio"/> 603			

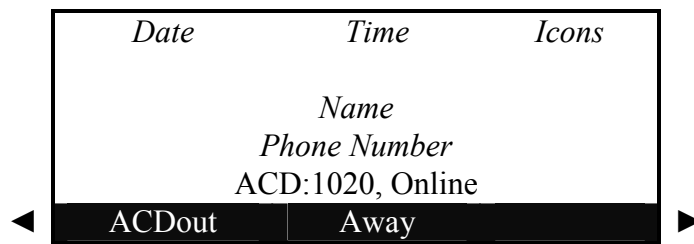
## 8 ACD Check-In / Check-Out

ACD stands for Automatic Call Delivery. This behavior is supported by Sylantro forwarding calls to proper phones, putting them in queue, with pre-recorded messages... But the phone has itself to manage some aspects related with presence subscription and its status Available or Unavailable (Away from now on).

When this feature is enabled, phone will have some new soft keys:

- ACDin: phone sends a subscription in order to be a member of an existing ACD group.
- ACDout: phone releases that subscription (just shown after having achieved an ACDin).
- Online: with subscription active, phone is member of an ACD group, it will notify its state as available to receive calls (just shown just shown after having achieved an ACDin and phone in Away state).
  - Away: with subscription active, phone is member of an ACD group, it will notify its state as available to receive calls (just shown after having achieved an ACDin and phone in Online state).

Also idle screen will be different than usual when phone is subscribed to an ACD group.



But all these things won't affect the rest of behavior when phone makes or receives a call not through any ACD group.

### 8.1 Feature activation.

There is a flag in Web Gui (Advanced->Cal Feature menu) and a parameter in [sip] section of APS config files. So:

[sip]

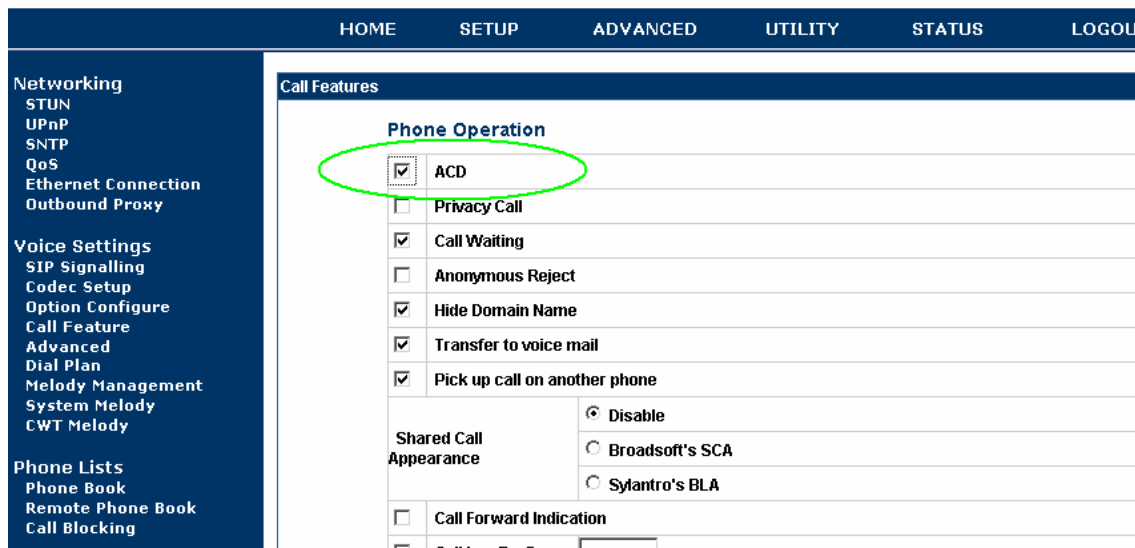
...

**ACD=1** (0 by default)

...

Or:

## THOMSON



## 9 BLA

It stands for Bridge Line Appearance. We could see it as a mix of already supported features BLF and SCA.



Partially, it consists of the capability of having another account placed on a Function key (BLA type). This will launch a 3<sup>rd</sup> party registration where an **Executive Assistant** (EA) can make and receive calls on behalf of its **Boss** (the URI contained in BLA function key). An EA can have more than one Boss, up to (Multiline –1). Also a Boss can have different EAs, but it doesn't depend on phone configuration. And finally, a st20xx can be Boss in its primary line (the one that registers in with the credentials of any of the 4 available profiles) and EA for up to 9 additional numbers contained in its function keys.

But also on Boss side this feature implies some changes. When a call is made by an EA using its shared-with-boss account automatically a new screen pops up in Boss phone. It will contain the URI of the remote party having a call with the shared account, the state of the dialog (active or held) and soft keys: to Retrieve (in case it's held) the existing call, to start a new call or to go back to idle menu.

On EA side this new pop-up screen is not automatically displayed, it needs the function key (BLA type assigned) to be pressed. The content will be the same as for Boss.

Incoming calls will be alerted in both kind of phones (managed by server), Boss and EAs. Outgoing calls will be made using the shared-with-boss account if user takes line pressing the correspondent function key.

All this functionality is supported by the exchange of SUBSCRIBEs and NOTIFYs with event=dialog;sla.

## 9.1 Feature activation.

Feature activation is different for both kinds of user agents. Boss needs only activating Syl-BLA flag and EAs need configuring function keys as BLA type.

Syl-BLA flag can be made by Web Gui, in Advanced | Call feature menu:

HOME	SETUP	ADVANCED	UTILITY	STATUS	LOGOUT
<input checked="" type="checkbox"/>	Transfer to voice mail				
<input checked="" type="checkbox"/>	Pick up call on another phone				
Shared Call Appearance		<input type="radio"/> Disable <input type="radio"/> Broadsoft's SCA <input checked="" type="radio"/> Sylantro's BLA			
<input type="checkbox"/>	Call Forward Indication				
<input type="checkbox"/>	Call Log Prefix : <input type="text"/>				

Or by APS Config Files:

[sip]

...

**SharedCallAppearance=2** (0 by default which means inactive, 1 for Broadsoft SCA )

...

This step means that phone is able to exchange new kind of subscriptions (initiated by server).

On EA phone user will configure BLA function keys with the URI(s) of the Boss(es). This step was explained above in this document and means that phone will be able to make a 3<sup>rd</sup> party registration (being associated with Boss from then on).