



Call Me Now

Feature Description

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BroadWorks® Guide

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1 Feature Overview and Purpose

The Call Me Now service provides the ability for an external party to initiate a Click-To-Dial call to a BroadWorks user. For example, a BroadWorks user could place a Call-Me-Now widget on a social networking site such as Facebook and their friends could use the widget to place a call to them.

The following describes the functionality:

- An external party initiates a Call-Me-Now request to a BroadWorks user and provides a number for the request.
- BroadWorks screens the provided number according to the configuration for the target user.
- If the screening is successful, BroadWorks initiates a call to the provided number. From the external party's perspective, the call is a usual, incoming call from the target user. If the screening fails, the Call-Me-Now request is rejected.
- The external party answers the call.
- Answer confirmation is performed according to the configuration for the target user.
- If the answer confirmation is successful, BroadWorks initiates a call to the target user. From the target user's perspective, the call is a regular, incoming call from the external party. If the answer confirmation fails, the call to the external party is released.
- The target user answers the call, and is now in a conversation with the external party.

Note that the target user's terminating services run as usual for the call initiated to them. Therefore, it is possible that the call is screened or redirected instead of being answered by the target user.

The Call Me Now service configuration for the target user provides for selective screening of the number provided by the external party, the type of answer confirmation that is required, and the ability to enable/disable the service.

In addition, the Outgoing Call Plan (OCP), Outgoing Digit Plan (ODP), Outgoing Pinhole Digit Plan (OPDP), Communication Barring – Fixed (CBF), and Hierarchical Communication Barring (HCB) service configurations are enhanced to support the screening of Call-Me-Now calls.

2 Detailed Feature Description

2.1 Provisioning Enhancements

This section provides functional details of the provisioning enhancements made to support the new Call Me Now service. For full provisioning details, see section [3 Provisioning Impacts](#).

2.1.1 Call-Me-Now System Parameters

This feature adds the *Service/CallMeNow* context to the ApplicationServer command line interface (CLI), which is used to configure the system parameters for the Call Me Now service.

The *passcodeLength* system parameter determines the length (number of digits) of the passcode generated by the Call Me Now service. It has a default value of “4”, but can be set to any value from “2” through “30”.

The *passcodeTimeoutSeconds* system parameter determines how long in seconds a passcode generated by the Call Me Now service is valid. If the passcode expires before the passcode has been successfully entered, then the Call-Me-Now call is released. This system parameter has a default value of “60”, but can be set to any value from “30” through “180”.

2.1.2 Call Me Now Service

The Call Me Now service is a user assignable service. It is configured at the user level as a selective service similar to other selective services such as Selective Call Rejection and Call Forwarding Selective.

A list of criteria is configured for the service. Each criteria entry on the list can be activated/deactivated and has the following settings:

- Description – A text description for the criteria entry.
- Reject call/Do not reject call
 - When set to “Reject call”, Call-Me-Now requests that match the criteria entry are rejected (that is, the criteria act as a blacklist).
 - When set to “Do not reject call”, Call-Me-Now requests that match the criteria entry are allowed (that is, the criteria act as a white list).
 - When adding a new criteria entry, the default value is “Reject call”.
- Selected Time Schedule – Defines the time schedule that applies to the criteria entry. When adding a new criteria entry, the default value is “Every Day All Day”.
- Selected Holiday Schedule – An optional setting that defines the holiday schedule (if any) that applies to the criteria entry. When adding a new criteria entry, the default value is “None”.
- To any phone number/To following phone numbers
 - When set to “To any phone number”, the criteria entry applies for any number provided in the Call-Me-Now request.
 - When set to “To following phone numbers”, the criteria entry applies only if the number provided in the Xsi-Actions request matches a number on the *Specific phone numbers* list for the criteria entry.

- When adding a new criteria entry, the default value is “To any phone number”.
- Specific phone numbers – Defines the list of phone numbers to match when the criteria entry is set to “To following phone numbers”.
 - The wildcard character “?” can be used in a phone number to match any single digit in the same position as the “?” character.
 - The wildcard character “*” can be used at the end of the phone number to match any trailing digits (that is, if the digits before the “*” character match, then the phone number is a match regardless of what digits remain).

Note that the phone numbers are not normalized to be in E.164 format. They are stored and used for matching as configured, and must match the number as provided in the Xsi-Actions request, which is similarly used as received without any E.164 normalization.
- On/Off setting – The Call Me Now service has an On/Off setting to enable/disable the full service.
 - When the Call Me Now service is *disabled*, all Call-Me-Now requests for the user are rejected.
 - When the Call Me Now service is *enabled* and a Call-Me-Now request is processed by the Call Me Now service, only activated criteria are evaluated and the “Do not reject call” criteria are always evaluated before the “Reject call” criteria. This allows the user to have “Do not reject call” criteria that allow certain Call-Me-Now calls that would otherwise be blocked by the “Reject call” criteria. If no matching criteria are found (which includes the case where no criteria are present), then the Call-Me-Now request is allowed to proceed.
- Answer Confirmation setting – Finally, the Call Me Now service has an Answer Confirmation setting used to control the type of answer confirmation that is applied when the external party answers the Call-Me-Now call. The Answer Confirmation setting has the following options:
 - None – No answer confirmation is performed. The Call-Me-Now user is alerted immediately after the external party answers.
 - Any Key – The external party is connected to the Media Server and prompted to press any key. The Call-Me-Now user is only alerted after the external party presses a key. This setting ensures that the call was answered by a person who wishes to complete the call.
 - Passcode – The external party is connected to the Media Server and prompted to enter their passcode. The Call-Me-Now user is alerted after the external party enters the passcode. The passcode is returned in the Xtended Services Interface (Xsi) response to the external party described in section [2.2 Xsi-Actions Enhancements](#). This setting ensures that the call was answered by a person who received the passcode for the call.

When the Call Me Now service is first assigned to a user, it defaults to “Off” with no criteria defined and the *Answer Confirmation* set to “Passcode”.

2.1.3 Outgoing Calling Plan

This feature enhances the Outgoing Calling Plan (OCP) service to add controls for Call-Me-Now calls.

The new Outgoing Calling Plan controls for Call Me Now are configured in an identical manner to the existing controls for “Initiating Call Forwards/Transfers”. There are various

call types defined, and each call type can be enabled and disabled for the group, department, and user configuration described in section [3 Provisioning Impacts](#).

Just as with the other Outgoing Calling Plan configuration, a user can be configured to use the settings for their department/group or to use their own custom settings. In addition, the settings may only be modified by an administrator. A user can view their Outgoing Calling Plan settings, but cannot modify them.

The default settings for the Call-Me-Now controls are that only the “Group”, “Local”, and “Toll” call types are allowed.

2.1.4 Outgoing Digit Plan

This feature enhances the Outgoing Digit Plan (ODP) functionality used by the Outgoing Calling Plan service to add controls for Call-Me-Now calls.

The new Outgoing Digit Plan controls for Call Me Now are configured in an identical manner to the existing controls for “Initiating Call Forwards/Transfers”. There are various digit strings defined, and each digit string can be permitted or blocked for the group, department, and user configuration described in section [3 Provisioning Impacts](#).

Just as with the other Outgoing Digit Plan configuration, a user can be configured to use the settings for their department/group or to use their own custom settings. In addition, the settings may only be modified by an administrator. A user can view their Outgoing Digit Plan settings, but cannot modify them.

The default settings for the Call-Me-Now controls are identical to the default settings for the “Initiating Call Forwards/Transfers” controls. All existing digit strings are permitted, and new digit strings are permitted by default when they are added.

2.1.5 Outgoing Pinhole Digit Plan

This feature enhances the Outgoing Pinhole Digit Plan (OPDP) functionality used by the Outgoing Calling Plan service to add controls for Call-Me-Now calls.

The new Outgoing Pinhole Digit Plan controls for Call Me Now are configured in an identical manner to the existing controls for “Initiating Call Forwards/Transfers”. There are various digit strings defined, and each digit string can be permitted (Do not block) or ignored for the group, department, and user configuration described in section [3 Provisioning Impacts](#).

Just as with the other Outgoing Pinhole Digit Plan configuration, a user can be configured to use the settings for their department/group or to use their own custom settings. In addition, the settings may only be modified by an administrator. A user can view their Outgoing Pinhole Digit Plan settings, but cannot modify them.

The default settings for the Call-Me-Now controls are identical to the default settings for the “Initiating Call Forwards/Transfers” controls. All existing digit strings are ignored, and new digit strings are ignored by default when they are added.

For more information on Outgoing Pinhole Digit Plan, see *Outgoing Calling Plan Dial Restriction Override Patterns Feature Description* [\[1\]](#).

2.1.6 Communication Barring – Fixed

This feature enhances Communication Barring – Fixed (CBF) to add controls for Call-Me-Now calls.

The new Communication Barring – Fixed controls for Call Me Now are configured in an identical manner to the existing redirecting rules for Communication Barring – Fixed profiles. Each Communication Barring – Fixed profile now contains Call-Me-Now rules.

The Call-Me-Now rules allow for the selection of criteria defined for Communication Barring – Fixed that apply to Call-Me-Now calls. Each selected criterion along with the action configured for it is a rule. In addition, there is an “All Other Calls” default rule.

For each rule, one of the following actions is configured:

- Allow – Allows Call-Me-Now calls that match the criteria for the rule.
- Block – Rejects Call-Me-Now calls that match the criteria for the rule.
- Allow (timed) – Allows Call-Me-Now calls that match the criteria for the rule, but only for a specified duration.

When the “Allow (timed)” action has been selected for a rule, the *Maximum Duration* setting for that rule determines the how long Call-Me-Now calls that match the criteria for the rule can exist after the external party answers the call. Once the maximum duration has been reached, the Call-Me-Now call is released.

The Call-Me-Now rules are run in the order configured for the selected criteria, with the default rule always being run last.

The default settings for the Call-Me-Now controls are identical to the default settings for the redirecting controls. No criteria are selected, and the default “All Other Calls” rule has its action set to “Block”.

For more information on Communication Barring – Fixed, see *Communication Barring Fixed Feature Description* [2].

2.1.7 Hierarchical Communication Barring

This feature enhances Hierarchical Communication Barring (HCB) to add controls for Call-Me-Now calls.

The new Hierarchical Communication Barring controls for Call Me Now are configured in an identical manner to the existing redirecting rules for Hierarchical Communication Barring profiles defined at the service provider/enterprise level. Each Hierarchical Communication Barring profile at the service provider/enterprise now contains Call-Me-Now rules. The Call-Me-Now rules allow for rules to be defined using the system-level Communication Barring – Fixed criteria that have been assigned to the service provider/enterprise. The Call-Me-Now rules also allow for rules to be defined using the Hierarchical Communication Barring digit pattern criteria that have been defined for the service provider/enterprise. Multiple rules can be created using the same criteria. Each rule consists of the selected criteria, an action, an optional service provider/enterprise time schedule, an optional service provider/enterprise holiday schedule, and a priority. In addition, there is an “All Other Calls” default rule.

For each rule, one of the following actions is configured:

- Allow – Allows Call-Me-Now calls that match the criteria for the rule.
- Block – Rejects Call-Me-Now calls that match the criteria for the rule.
- Allow (timed) – Allows Call-Me-Now calls that match the criteria for the rule, but only for a specified duration.

When the “Allow (timed)” action has been selected for a rule, the *Maximum Duration* setting for that rule determines the how long Call-Me-Now calls that match the criteria for the rule can exist after the external party answers the call. Once the maximum duration has been reached, the Call-Me-Now call is released.

The Call-Me-Now rules are run in priority order with 1 being the highest priority. The “All Other Calls” default rule always runs at the lowest priority. When the rules are configured, the priority settings are “requantized” to consecutive integers starting at 1 (for example, 1,

2, 3, 4). To add a rule with a priority between existing rules, a floating-point value can be used, which is requantized when the rules are saved. For example, 1.5 could be specified to add a rule between the existing rules with priorities of 1 and 2.

The optional service provider/enterprise time and holiday schedules for the rule define when the rule is active. The criteria for the rule (including any time or holiday schedule configured for the criteria) are only evaluated when the rule is active.

The default settings for the Call-Me-Now controls are identical to the default settings for the redirecting controls. No criteria are selected and the “All Other Calls” default rule has its action set to “Block” with no service provider/enterprise time or holiday schedule.

For more information on Hierarchical Communication Barring, see *Hierarchical Communication Barring Feature Description* [3].

2.2 Xsi-Actions Enhancements

This feature enhances Xsi-Actions to add a Uniform Resource Identifier (URI) for invoking the Call Me Now service. The new URI for the Call-Me-Now action has the following format:

```
http(s)://<host:port>/com.broadsoft.xsi-actions/v2.0/user/<userid>/calls/CallMeNow?address=[&transactionId=]
```

The *userid* specifies the user ID of the BroadWorks user whose Call Me Now service is being invoked.

The mandatory *address* parameter specifies the address to use for calling the external party that is invoking the Call Me Now service.

The optional *transactionId* parameter is captured in the originating call detail record (CDR) created for the Call-Me-Now call from the target user to the external party. It can be used for various purposes such as capturing an identifier of the application or external party that is invoking the Call Me Now service.

The Call-Me-Now action does not initiate an authentication challenge since the invoking party may not be a BroadWorks user, and any authentication headers received in the request are ignored. However, the provided *address* parameter is screened described in section [2.3.3 External Party Screening](#). Note that the absence of authentication for the Call-Me-Now action is built into Xsi-Actions and is not configurable.

If the Call-Me-Now action is rejected (for example, the target user does not have the Call Me Now service enabled or the screening of the provided address fails), then an error response is returned.

For a successful Call-Me-Now action, a 200 OK success response is returned and it includes eXtensible Markup Language (XML) body containing a *CallMeNowStartInfo* element. If the Call Me Now service for the specified user has *Answer Confirmation* set to “Passcode”, then the *CallMeNowStartInfo* element contains a passcode element with the passcode to be used.

For more information on the Xtended Services Interface changes, see section [6.2 Xtended Services Interface \(Xsi\) Impact](#).

2.3 Call Me Now Service Execution

This section describes the full execution flow for the Call Me Now service. For information on the provisioning enhancements related to this feature, see section [2.1 Provisioning Enhancements](#). For information on the CDR generation and enhancements for the Call Me Now service, see section [4 Accounting Impacts](#). For information on the Call-Me-Now Performance Management (PM), see section [5.1 Performance Management Impacts](#).

2.3.1 Call Flow

The following figure shows the call flow for a successful Call-Me-Now call with answer confirmation where the call to the external party is a network call. For information on the service execution that occurs within the call flow, see the other subsections under section [2.3 Call Me Now Service Execution](#). Note that some Session Initiation Protocol (SIP) messages including 18x responses, ACKs, and Re-INVITE sequences are not shown for brevity.

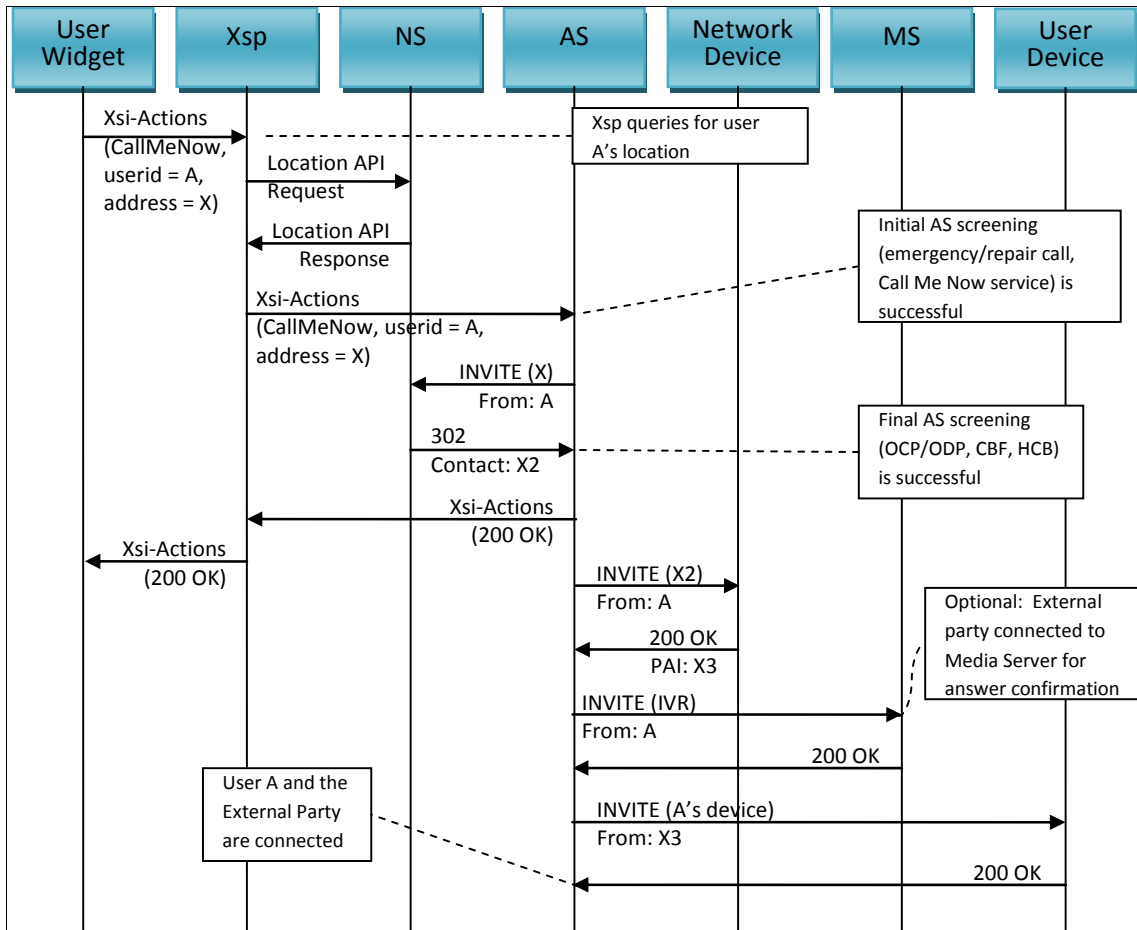


Figure 1 Successful Call-Me-Now Call with Answer Confirmation

2.3.2 Xsi-Actions Invocation

The Call Me Now service is invoked on an Xtended Services Platform (Xsp) using the Xsi-Actions URI for Call Me Now described in section [2.2 Xsi-Actions Enhancements](#). The party invoking the Call-Me-Now action is referred to as the external party and may or may not be a BroadWorks user themselves. The BroadWorks user specified in the <userid> portion of the action is referred to as the target user.

The Xtended Services Platform queries the Network Server for the specified user's location using a Location application programming interface (API) request. If the user is unknown, then a 500 error response is returned to the external party. Otherwise, Xsi-Actions routes the Call-Me-Now request to an Application Server as specified in the Location API response.

When the Application Server receives the Call-Me-Now request, it verifies that the target user specified is a known user. If the user is unknown, then a 400 error response is returned to the external party and no CDR is generated.

If the Xtended Services Interface application in use for the request is not enabled system wide and has not been assigned to the target user, then a 400 error response is returned to the external party and no CDR is generated.

If the above checks pass, then the *bwCallMeNowNumRequests* PMs for the system, the target user's service provider/enterprise, and the target user's group are incremented.

If the target user does not have the Call Me Now service assigned or has the Call Me Now service disabled, then a 400 error response is returned to the external party and no CDR is generated. Otherwise, the Call-Me-Now request is allowed to proceed to the screening described in section [2.3.3 External Party Screening](#).

2.3.3 External Party Screening

The call to the external party is screened by the following, listed in order of precedence:

- **Emergency/Repair Call** – The Application Server screens the address provided in the Xsi-Actions request to determine whether it is an emergency or repair call address. If it is an emergency or repair call address, then the Call-Me-Now request is rejected.
- **Target User Address** – The Application Server screens the address provided in the Xsi-Actions request to determine whether it is an address for the target user themselves. If it is an address for the target user, then the Call-Me-Now request is rejected.
- **Call Me Now Service** – The criteria configured for the target user's Call Me Now service are executed. Note that the Call Me Now service screens the address provided in the Xsi-Actions request, and not the contact returned by the Network Server. If the result is that the call is rejected, then the Call-Me-Now request is rejected.
- **Intercept** – If the Intercept service is enabled for the target user or the target user's group, then it is executed for an origination from the target user to the external party. If the result is that the call is blocked, then the Call-Me-Now request is rejected. Note that if the *Outbound Call* option for the Intercept service is set to "Route to Phone Number", then the call is treated as blocked instead of being routed to the configured phone number.
- **Communication Barring – Fixed (CBF)** – The Call-Me-Now rules for the Communication Barring – Fixed profile (if any) in effect for the target user are executed. If the result is that the call is blocked, then the Call-Me-Now request is rejected.
- **Hierarchical Communication Barring (HCB)** – The Call-Me-Now rules for the Hierarchical Communication Barring profile (if any) in effect for the target user's group are executed. If the result is that the call is blocked, then the Call-Me-Now request is rejected.
- **Outgoing Call Plan (OCP)/Outgoing Digit Plan (ODP)/Outgoing Pinhole Digit Plan (OPDP)** – The Call-Me-Now controls for the target user's Outgoing Call Plan, Outgoing Digit Plan, and Outgoing Pinhole Digit Plan configuration (if any) are executed. If the result is that the call is blocked, then the Call-Me-Now request is rejected.
- **Prepaid** – The Prepaid service (if any) in effect for the target user is executed. If the result is that the call is denied (for example, insufficient credits), then the Call-Me-Now request is rejected.

Note that the Network Server is queried (if applicable) for an origination from the target user to the provided address before any of the above screening takes place. If the Network Server query fails (for example, the Network Server fails to respond), then the Call-Me-Now request is rejected.

If the Call-Me-Now request is rejected by any of these screenings, an originating CDR for the target user to the external party is generated, indicating that it is for a Call-Me-Now failure. In addition, a 400 error response is returned to the external party via Xsi-Actions.

If all the screening passes, then a 200 OK success response is returned to the external party via Xsi-Actions. If the target user's Call Me Now service has *Answer Confirmation* set to "Passcode", then this success response includes the passcode to use for the call. The passcode is randomly generated by the Application Server and has a length as specified by the *passcodeLength* system parameter described in section [2.1.1 Call-Me-Now System Parameters](#). The Call-Me-Now call is then allowed to proceed to the external party described in section [2.3.4 Calling the External Party](#).

2.3.4 Calling the External Party

The *bwCallMeNowNumAttempts* PMs for the system, the target user's service provider/enterprise, and the target user's group are incremented.

If the target user's Call Me Now service has *Answer Confirmation* set to "Passcode", then a timer is started for the passcode as specified by the *passcodeTimeoutSeconds* system parameter described in section [2.1.1 Call-Me-Now System Parameters](#). If this passcode timer expires before the external party answers the call and enters the passcode, then the Call-Me-Now call is rejected and the external party is released.

In stand-alone mode, when the call to the external party is a network call, then a SIP INVITE is sent toward the network device as determined according to the Application Server's configuration. If the Network Server is being used, then the contacts returned by the Network Server query are used. When the call to the external party is a group/enterprise call, then it is routed internally or via a Distributed Group Call (DGC) SIP INVITE as applicable.

In IP Multimedia Subsystem (IMS) mode, a SIP INVITE is sent as an Out-of-the-Blue (OOTB) origination from the target user to the external party. For information on the SIP INVITE contents for IMS mode, see section [2.3.4.1 IMS SIP INVITE Content](#).

The Calling Line Identity (CLID) provided to the external party is the target user's appropriate identity based on the CLID policy in effect for the user. If the target user has the Calling Line ID Delivery Blocking service in effect for the call to the external party, then the external party is notified that privacy is restricted.

The incoming call is processed by the external party in the same way as if the target user had dialed the call directly instead of via Call Me Now. If the external party is a BroadWorks user, this means that all of the external party's terminating services run and the call is treated as a usual incoming call for Client Application Protocol (CAP) client and Xtended Services Interface application purposes.

If the call to the external party fails to be answered (for example, a failure response is returned from the external party, a passcode timer or other timer expiration results in the call being released, and so on), then an originating CDR for the target user to the external party is generated, indicating that it is for a Call-Me-Now failure.

If the call to the external party is answered, then the Call-Me-Now call proceeds to the answer confirmation described in section [2.3.5 Answer Confirmation](#).

Note that any connected identity provided by the external party is used as the calling identity for the incoming call to the target user.

Also note that the call to the external party is not a known call from the target user's perspective. The call is not part of the target user's active call session and as a result, does not affect other calls for the target user (for example, it has no effect on the target user's Call Waiting status) and is not reported to CAP clients and Xtended Services Interface applications for the target user.

2.3.4.1 IMS SIP INVITE Content

2.3.4.1.1 *P-Charging-Function-Addresses*

A *P-Charging-Function-Addresses* header may be added for the target user based on the system configuration described in *IMS Radius Server Selection Feature Description* [6].

2.3.4.1.2 *P-Charging-Vector*

The *P-Charging-Vector* header is populated with an *icid-value* parameter generated by the Application Server.

2.3.4.1.3 *Route*

The *Route* header is populated as appropriate for an OOTB origination from the target user according to the Application Server's configuration and the target user's primary Public User Identity (PUI). The *orig* parameter is present in the *Route* header to indicate it is for an OOTB origination.

2.3.5 Answer Confirmation

Answer confirmation is handled based on the *Answer Confirmation* setting for the target user's Call Me Now service as detailed in the subsections that follow.

Note that the call is not considered answered for accounting until after answer confirmation succeeds. If the answer confirmation fails, the call is considered unanswered for accounting.

2.3.5.1 None

If target user's Call Me Now service has the *Answer Confirmation* set to "None", then the Call-Me-Now call immediately proceeds to the user described in section [2.3.6 Calling the Target User](#).

2.3.5.2 Any Key

If the target user's Call Me Now service has the *Answer Confirmation* set to "Any Key", then the call is only allowed to proceed to the user if the external party presses a key to complete the call.

The external party is connected to the Media Server and is prompted to press any key to complete the call. This answer confirmation is identical to that used by services such as BroadWorks Anywhere and Simultaneous Ringing. For more information on the configuration and operation of this Answer Confirmation functionality, see *Answer Confirmation on Forking Services Enhancements Feature Description* [4]. Note that the answer confirmation configuration for the target user's service provider/enterprise is used.

If the external party fails to confirm the answer, then the Call-Me-Now call is rejected. The external party is released and an originating CDR for the target user to the external party is generated, indicating that it is for a Call-Me-Now failure.

If the external party confirms the answer, then the Call-Me-Now call proceeds to the target user described in section [2.3.6 Calling the Target User](#).

Note that the announcements used for answer confirmation are localized using the target user's language.

2.3.5.3 Passcode

If the target user's Call Me Now service has *Answer Confirmation* set to "Passcode", then the call is only allowed to proceed to the user if the external party enters the passcode. The external party is allowed a maximum of three attempts (initial attempt and two retries) to enter the passcode.

The external party is connected to the Media Server and prompted to enter the passcode using the *CallMeNowEnterPasscode.wav* announcement.

If the external party fails to properly enter the passcode, then they are informed that the passcode is invalid using the *CallMeNowInvalidPasscode.wav* announcement and they are reprompted to enter the passcode using the *CallMeNowEnterPasscode.wav* announcement. If the external party fails to properly enter the passcode a second time, then they are again informed that the passcode is invalid and are reprompted to enter it.

If the external party fails to properly enter the passcode a third time, then they are informed that the passcode is invalid using the *CallMeNowInvalidPasscode.wav* announcement and they are asked to hang up and try again later using the *CallMeNowHangUpTryAgain.wav* announcement.

Note that if the passcode timer started in section [2.3.4 IMS SIP INVITE Content](#) expires before the passcode is properly entered, then the passcode collection is immediately failed.

If the passcode collection fails, then the Call-Me-Now call is rejected. The external party is released and an originating CDR for the target user to the external party is generated, indicating that it is for a Call-Me-Now failure.

If the passcode collection is successful, then the Call-Me-Now call proceeds to the target user described in section [2.3.6 IMS SIP INVITE Content](#).

For more information on the Call-Me-Now announcements, see section [3.15 Media Announcements \(Audio and Video\)](#).

Note that the announcements used for answer confirmation are localized using the target user's language.

2.3.6 Calling the Target User

An originating CDR for the target user to the external party is generated, indicating that it is for a successful Call-Me-Now call. An originating CDR for the target user to the target user is generated as well. The purpose of this second originating CDR is to provide a matching originating CDR for the target user's terminating CDR.

The *bwCallMeNowNumSuccess* PMs for the system, the target user's service provider/enterprise, and the target user's group are incremented.

A terminating CDR is generated for the target user, indicating that it is for a Call-Me-Now call.

The incoming call is processed by the target user in the same way as if the external party had dialed the call directly instead of via Call Me Now. This means that all of the target user's terminating services run, and the call is treated as a usual incoming call for CAP client and Xtended Services Interface application purposes.

For example, the call may be screened by the Incoming Call Plan in effect for the target user and by services such as Selective Call Acceptance and Selective Call Rejection as well. The call may be blocked by services such as Call Waiting and Do Not Disturb. Services such as Call Forwarding Always, Call Forwarding Busy, and Voice Messaging may redirect the call. Services such as Simultaneous Ringing and Sequential Ringing may fork the call to alternate destinations. All applicable locations for services such as BroadWorks Anywhere and Shared Call Appearance are alerted for the Call-Me-Now call. Custom Ringback is provided to the external party as applicable according to the target user's configuration.

In IMS mode, the SIP INVITE(s) to the target user's public user identity (PUI) is sent as an Out-of-the-Blue (OOTB) termination. For information on the SIP INVITE contents for IMS mode, see section [2.3.6.1 IMS SIP INVITE Content](#).

From this point forward, the call proceeds as a regular termination no different than if the external party had called the target user directly instead of via Call Me Now. The CDRs generated for the Call-Me-Now call are released as usual when the associated call legs are released.

Note that the calling identity used for the external party depends on whether any connected identity was received from the external party.

- If a connected identity was received from the external party, then this identity is used as their calling identity.
- If no connected identity was received from the external party, then the address provided in the Xsi-Actions Call-Me-Now request is used as the calling identity.

2.3.6.1 IMS SIP INVITE Content

2.3.6.1.1 *P-Charging-Function-Addresses*

A *P-Charging-Function-Addresses* header may be added for the target user based on the system configuration described in *IMS Radius Server Selection Feature Description* [6].

2.3.6.1.2 *P-Charging-Vector*

The *P-Charging-Vector* header is identical to the header sent in the SIP INVITE to the external party described in section [2.3.4.1.2 P-Charging-Vector](#).

2.3.6.1.3 *Route*

The *Route* header is populated as appropriate for an OOTB termination to the target user according to the Application Server's configuration and the PUI to which the SIP INVITE is being sent. The *orig* parameter is not present in the *Route* header since it is for an OOTB termination, and not an OOTB origination.

2.3.6.1.4 *Request-URI*

The Request-URI is populated with the PUI to which the SIP INVITE is being sent.

2.4 Execution Use Cases

The following apply to all the use cases in this section:

- User U1 is a BroadWorks user with the Call Me Now service.

- User U1 has the Call Me Now service enabled, with *Answer Confirmation* set to “None”, unless otherwise specified.
- User U1 has the Calling Line ID Delivery Blocking service disabled, unless otherwise specified.
- User U1 has no terminating screening or redirecting services enabled, unless otherwise specified.
- The Xsi-Actions request for Call Me Now does not include a *transactionId*, unless otherwise specified.

2.4.1 Call Me Now with Answer Confirmation Set to “None”

- 1) An external party uses Xsi-Actions to invoke Call Me Now for User U1. A *transactionId* is included in the Call-Me-Now request.
- 2) The address provided passes all screening.
- 3) Xsi-Actions returns a successful response to the external party.
- 4) The external party is alerted using the address provided. The SIP INVITE to the external party includes User U1’s identity information with no privacy restrictions.
- 5) The external party answers the call.
- 6) User U1 is alerted for an incoming call from the external party.
- 7) User U1 answers the call and is in a conversation with the external party.
- 8) BroadWorks generates an originating CDR for the leg from User U1 to the external party, an originating CDR for User U1 to User U1, and a terminating CDR for the leg from the external party to User U1. The originating CDR for the leg from User U1 to the external party includes the *transactionId* provided with the Xsi-Actions request for Call Me Now. All CDRs indicate they are for a Call-Me-Now call.

2.4.2 Call Me Now with Answer Confirmation Set to “Any Key”, Calling Line ID Delivery Blocking Enabled

- 1) User U1 has the Calling Line ID Delivery Blocking service enabled.
- 2) An external party uses Xsi-Actions to invoke Call Me Now for User U1.
- 3) The address provided passes all screening.
- 4) Xsi-Actions returns a successful response to the external party.
- 5) The external party is alerted using the address provided. The SIP INVITE to the external party includes User U1’s identity information with privacy restrictions enabled.
- 6) The external party answers the call.
- 7) The external party is connected to the Media Server and prompted to press any key.
- 8) The external party presses a key.
- 9) User U1 is alerted for an incoming call from the external party.
- 10) User U1 answers the call and is in a conversation with the external party.
- 11) BroadWorks generates an originating CDR for the leg from User U1 to the external party, an originating CDR for User U1 to User U1, and a terminating CDR for the leg from the external party to User U1. All CDRs indicate they are for a Call-Me-Now call.

2.4.3 Call Me Now with Answer Confirmation Set to “Passcode”

- 1) An external party uses Xsi-Actions to invoke Call Me Now for User U1.
- 2) The address provided passes all screening.
- 3) Xsi-Actions returns a successful response to the external party, and the response contains the passcode generated by BroadWorks for this Call-Me-Now attempt.
- 4) The external party is alerted using the address provided. The SIP INVITE to the external party includes User U1’s identity information with no privacy restrictions.
- 5) The external party answers the call.
- 6) The external party is connected to the Media Server and is prompted to enter the passcode.
- 7) The external party enters the passcode.
- 8) User U1 is alerted for an incoming call from the external party.
- 9) User U1 answers the call and is in a conversation with the external party.
- 10) BroadWorks generates an originating CDR for the leg from User U1 to the external party, an originating CDR for User U1 to User U1, and a terminating CDR for the leg from the external party to User U1. All CDRs indicate they are for a Call-Me-Now call.

2.4.4 Call Me Now with Terminating Service Interactions

- 1) User U1 has the Do Not Disturb and Call Forwarding Busy services enabled.
- 2) An external party uses Xsi-Actions to invoke Call Me Now for User U1.
- 3) The address provided passes all screening.
- 4) Xsi-Actions returns a successful response to the external party.
- 5) The external party is alerted using the address provided. The SIP INVITE to the external party includes User U1’s identity information with no privacy restrictions.
- 6) The external party answers the call.
- 7) User U1 receives the incoming call, but the call is blocked by the Do Not Disturb service.
- 8) User U1’s Call Forwarding Busy service forwards the call.
- 9) The Call Forwarding Busy destination is alerted for an incoming call from the external party.
- 10) The Call Forwarding Busy destination answers the call and is in a conversation with the external party.
- 11) BroadWorks generates an originating CDR for the leg from User U1 to the external party, an originating CDR for User U1 to User U1, and a terminating CDR for the leg from the external party to User U1. These CDRs indicate they are for a Call-Me-Now call. There is also an originating CDR for the forward from User U1 to the Call Forwarding Busy destination.

2.4.5 Call Me Now Rejected Due to Service Not Being Enabled

- 1) User U1 has the Call Me Now service disabled or not assigned.
- 2) An external party uses Xsi-Actions to invoke Call Me Now for User U1.
- 3) Xsi-Actions returns an error response to the external party.

- 4) No CDRs are generated for the Call-Me-Now request.

2.4.6 Call Me Now Rejected by Screening

- 1) An external party uses Xsi-Actions to invoke Call Me Now for User U1.
- 2) The address provided fails Outgoing Calling Plan screening.
- 3) Xsi-Actions returns an error response to the external party.
- 4) BroadWorks generates a CDR for the originating leg from User U1 to the external party. The CDR indicates it is for a Call-Me-Now call and that the call failed.

2.4.7 Call Me Now Rejected Due to Answer Confirmation Failure

- 1) An external party uses Xsi-Actions to invoke Call Me Now for User U1.
- 2) The address provided passes all screening.
- 3) Xsi-Actions returns a successful response to the external party, and the response contains the passcode generated by BroadWorks for this Call-Me-Now attempt.
- 4) The external party is alerted using the address provided. The SIP INVITE to the external party includes User U1's identity information with no privacy restrictions.
- 5) The external party answers the call.
- 6) The external party is connected to the Media Server and is prompted to enter the passcode.
- 7) The external party enters an incorrect passcode.
- 8) The external party is informed the passcode is incorrect and is prompted to enter it again.
- 9) The external party enters an incorrect passcode a second time.
- 10) The external party is again informed that the passcode is incorrect and is prompted to enter it again.
- 11) The external party enters an incorrect passcode a third time.
- 12) The external party is informed that the passcode is incorrect and they should hang up and try again later.
- 13) The call to the external party is released.
- 14) BroadWorks generates a CDR for the originating leg from User U1 to the external party. The CDR indicates it is for a Call-Me-Now call and that the call failed.

2.4.8 User Generates Call Me Now Widget Link

- 1) User U1 opens the Call Me Now widget link generation page at [http://\[server\]/\[context\]/test/v2.0/user/userid/calls/callmenow/](http://[server]/[context]/test/v2.0/user/userid/calls/callmenow/), where [server] is the fully qualified domain name (FQDN) or Internet Protocol (IP) address of the Xtended Services Platform server and [context] is the Xsi-Actions context.

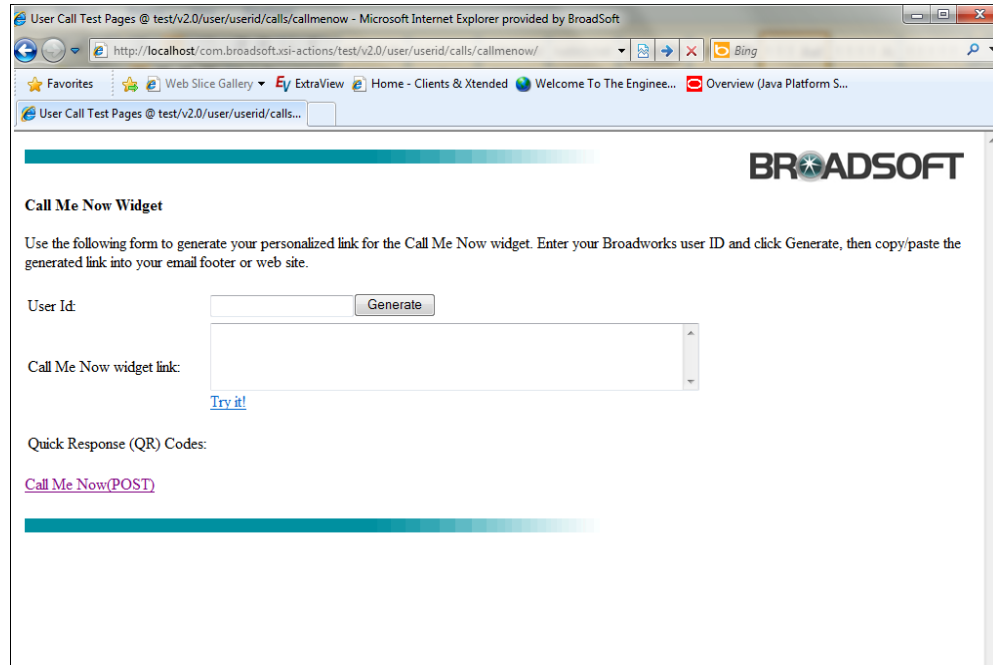


Figure 2 Call Me Now Widget

- 2) User U1 enters their BroadWorks user ID and clicks **Generate**.
- 3) The system generates a customized Call Me Now widget link and displays it to User U1.

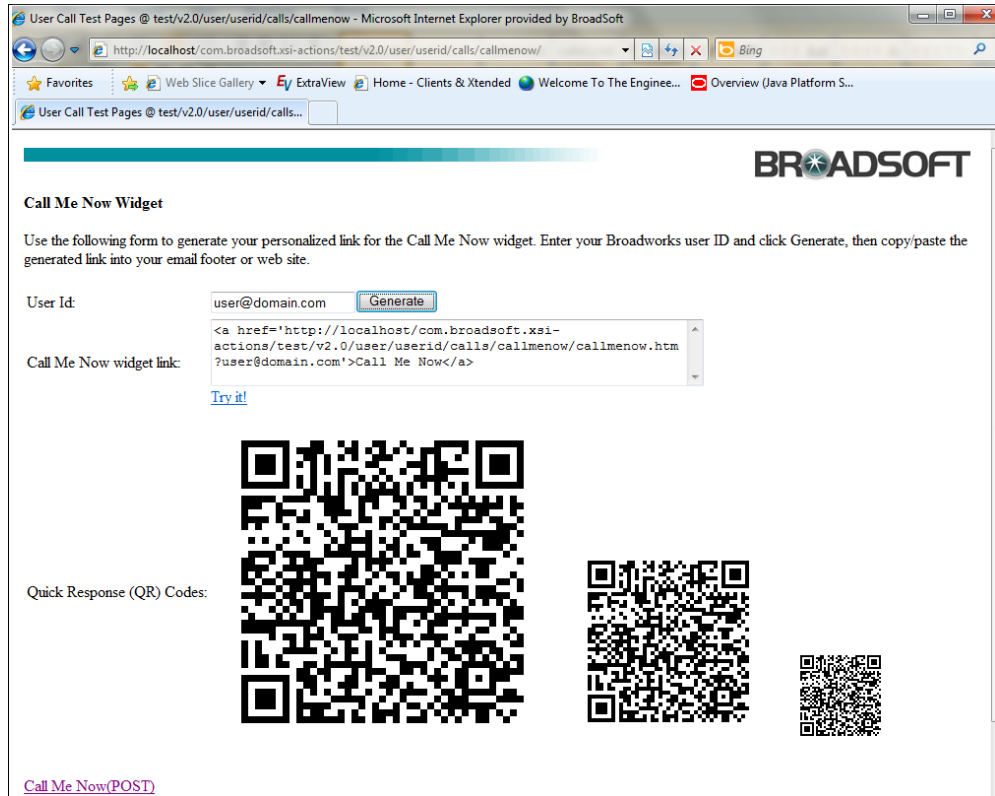


Figure 3 Call Me Now Widget Customized Link

2.4.9 External Party Uses Call Me Now Widget from an E-mail Link

- 1) The external party receives an e-mail with the Call Me Now widget link embedded in the footer. User U1 generates their customized link described in [3.4.8 User Generates Call Me Now Widget Link](#) and embeds it in the e-mail.

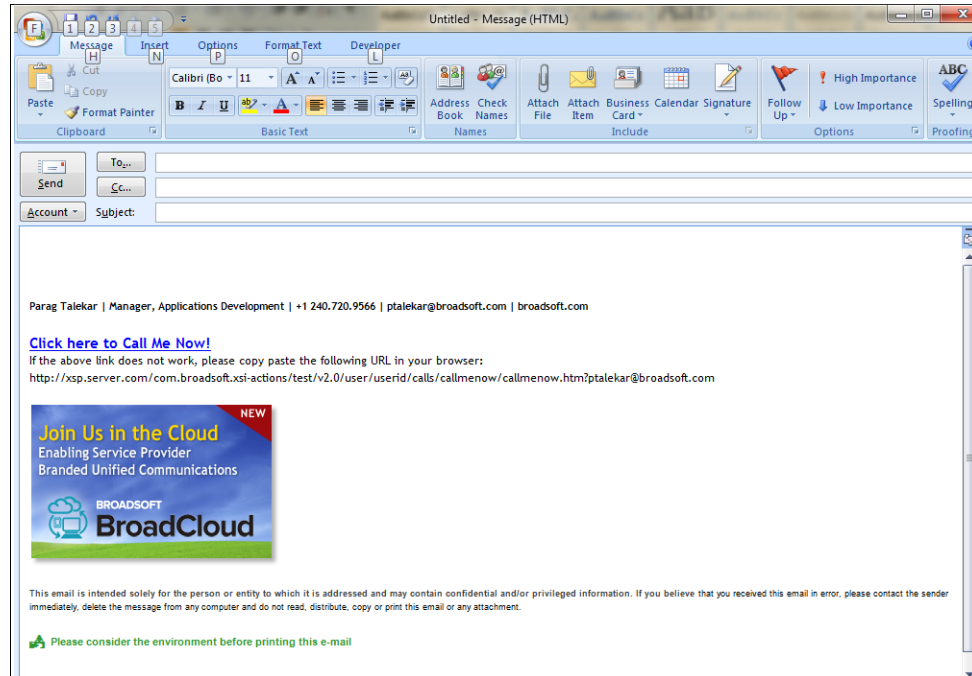


Figure 4 Call Me Now Widget Link Embedded in E-mail

- 2) The external party clicks on the link, enters their telephone number, and clicks **OK**.

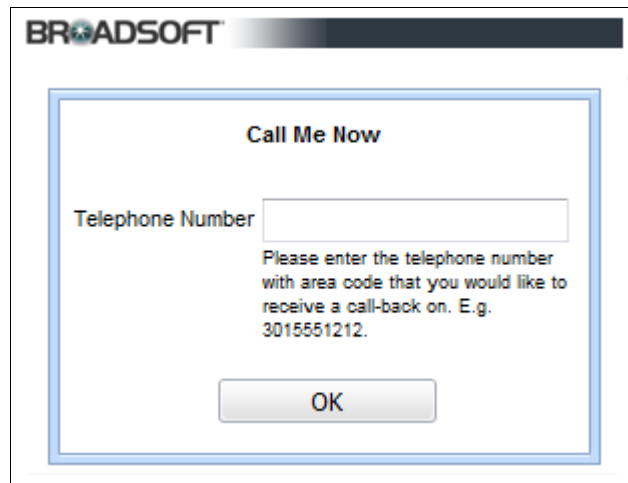


Figure 5 Enter Phone Number and Click OK

- 3) The Call Me Now widget uses the Call-Me-Now Xsi-Action to place the call and displays a success message.

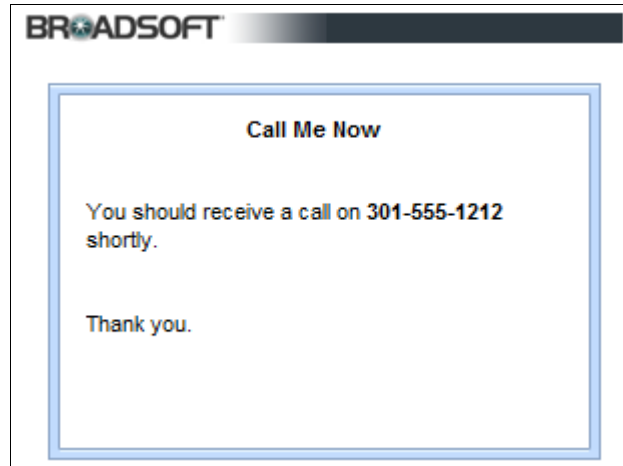


Figure 6 Successful Message

- 4) If the *Answer Confirmation* is set to "Passcode", the passcode is included in the success message.

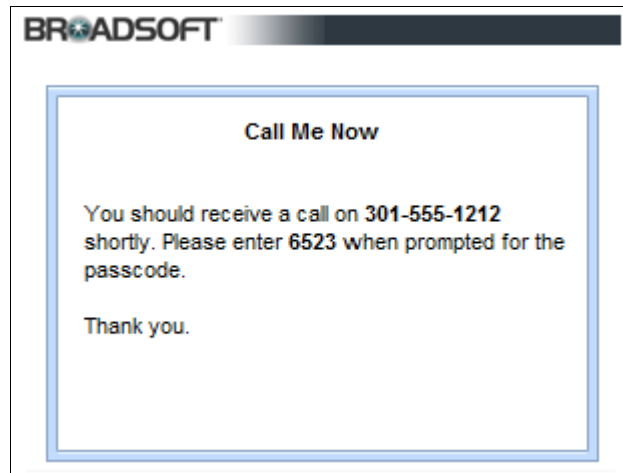


Figure 7 Passcode Included in Successful Message

2.4.10 External Party Uses Call Me Now Widget from Web Site

- 1) The external party clicks on a Call Me Now widget link embedded on a third-party web site. User U1 generates their customized link described in section [3.4.8 User Generates Call Me Now Widget Link](#) and embeds it in the web site. (Note that this is the last link under the *Learn More* section in the following figure).

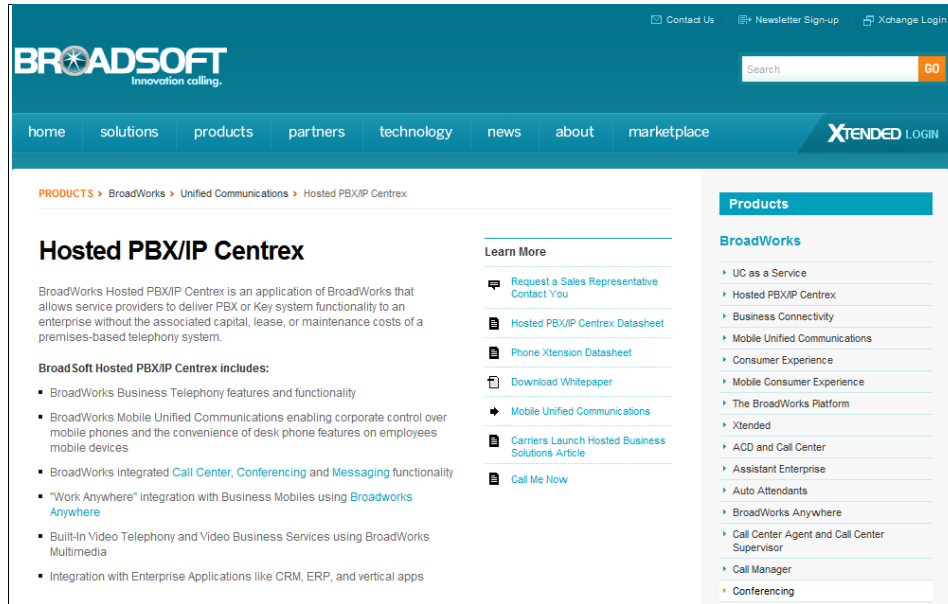


Figure 8 Hosted PBX/IP Centrex Page with Call Me Now under Learn More

- 2) The external party enters their telephone number and clicks **OK**.

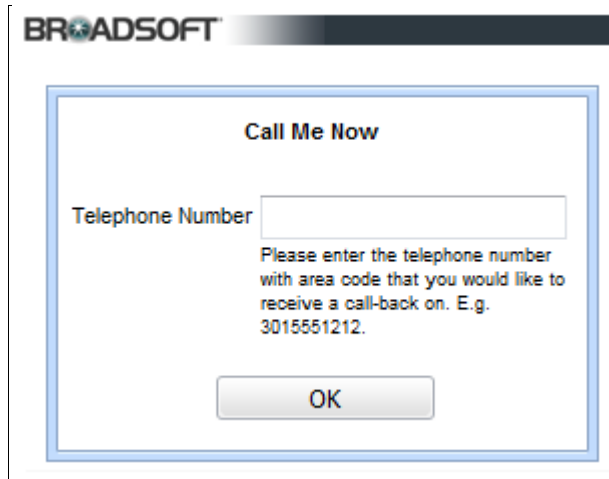


Figure 9 Enter Phone Number and Click OK

- 3) The Call Me Now widget uses the Call-Me-Now Xsi-Action to place the call and displays a success message.

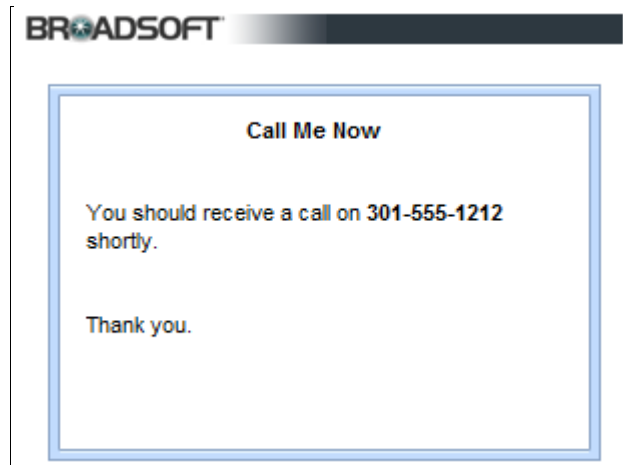


Figure 10 Successful Message

- 4) If the *Answer Confirmation* is set to "Passcode", the passcode is included in the success message.

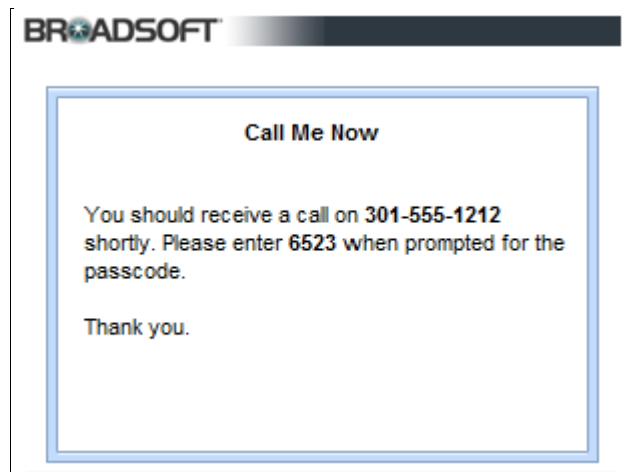


Figure 11 Passcode Included in Successful Message

2.5 Provisioning Steps

The following are the provisioning steps:

- 1) Obtain a license for the Call Me Now service.
- 2) Authorize the Call Me Now service to service providers and groups.
- 3) Assign the Call Me Now service to users.
- 4) Optionally, add criteria to reject Call-Me-Now calls for defined phone numbers or during a specific schedule. Because the *Do not reject* (allow) criteria have priority over *reject* criteria (see section [2.1.2 Call Me Now Service](#)), if a matching "allow all" criterion is defined, then *reject* call criteria are never evaluated.
- 5) Optionally, set the answer confirmation type. The choices available are the following: "None", "Any Key", or "Passcode". If the answer confirmation chosen is "Any Key" or "Passcode", the external party is forced to perform an action before the Call-Me-Now call can be established. It can be useful to filter some unwanted calls.

- 6) To control the length of the generated passcode the external party has to enter, configure the *passcodeLength* system parameter. This parameter is used only if the type of answer confirmation chosen is set to "Passcode".
- 7) To control the time allowed by the external party to enter the generated passcode, configure the *passcodeTimeoutSeconds* system parameters. This parameter is used only if the type of answer confirmation chosen is set to "Passcode".
- 8) Optionally, use Communication Barring rules, Outgoing Calling Plan permissions, Outgoing Digit Plan permissions, and Outgoing Pinhole Digit Plan to further restrict Call-Me-Now-related calls.
- 9) Turn the Call Me Now service on at the user level.

2.6 Client Interaction Use Cases

This is not applicable.

3 Provisioning Impacts

3.1 Configuration Data

3.1.1 Call-Me-Now System Parameters

Name	Field Type	Required?	Validation Values	Default Value
<i>passcodeLength</i>	Integer	Yes	2 through 30	4
<i>passcodeTimeoutSeconds</i>	Integer	Yes	30 through 180	60

3.1.2 Call Me Now User Service

Name	Field Type	Required?	Validation Values	Default Value
<i>enabled</i>	boolean	Yes	True, false	false
<i>answerConfirmation</i>	String(8)	Yes	none, anykey, passcode	passcode
<i>criteria</i>	List of Call-Me-Now criteria (see section 3.1.3 Call-Me-Now Criteria)	No	(See section 3.1.3 Call-Me-Now Criteria .)	No default

3.1.3 Call-Me-Now Criteria

Name	Field Type	Required?	Validation Values	Default Value
<i>name</i>	String(40)	Yes	None	No default
<i>isActive</i>	Boolean	yes	True, false	true
<i>holidaySchedule</i>	String(40)	No	Valid user/group/enterprise holiday schedule	No default
<i>timeSchedule</i>	String(40)	No	Valid user/group/enterprise time schedule	No default
<i>rejectCall</i>	Boolean	Yes	True, false	true
<i>callsTo</i>	CriteriaToDn (see section 3.1.4 Call Me Now To DN Criteria)	Yes	(See section 3.1.4 Call Me Now To DN Criteria .)	No default

3.1.4 Call Me Now To DN Criteria

Name	Field Type	Required?	Validation Values	Default Value
<i>dnSelection</i>	String(14)	Yes	any, specified only	any
<i>phoneNumbers</i>	List of DNs	No	List of valid DNs	No default

3.1.5 System Communication Barring Profile

The following table shows the new data for existing system communication barring profiles.

Name	Field Type	Required?	Validation Values	Default Value
<i>callMeNowDefaultAction</i>	String(10)	Yes	allow allowtimed block	block
<i>callMeNowDefaultCallTimeout</i>	Integer	No	60 through 86,400 seconds	No default
<i>callMeNowRules</i>	List of system communication barring Call-Me-Now rules (see section 3.1.6 System Communication Barring Profile Call-Me-Now Rule)	No	List of defined system Call-Me-Now rules	No default

3.1.6 System Communication Barring Profile Call-Me-Now Rule

Name	Field Type	Required?	Validation Values	Default Value
<i>action</i>	String(10)	Yes	allow allowtimed block	allow
<i>timeout</i>	Integer	No	60 through 86,400 seconds	No default
<i>criteriaName</i>	String(40)	Yes	Valid existing system communication barring criteria	No default

3.1.7 Service Provider Communication Barring Profile

The following table shows the new data for existing service provider communication barring profiles.

Name	Field Type	Required?	Validation Values	Default Value
<i>callMeNowDefaultAction</i>	String(10)	Yes	allow allowtimed block	block
<i>callMeNowDefaultCallTimeout</i>	Integer	No	60 through 86,400 seconds	No default

Name	Field Type	Required?	Validation Values	Default Value
<i>callMeNowRules</i>	List of service provider communication barring Call-Me-Now rules (see section 3.1.8 Service Provider Communication Barring Call-Me-Now Rule)	No	List of defined service provider Call-Me-Now rules	No default

3.1.8 Service Provider Communication Barring Call-Me-Now Rule

Name	Field Type	Required?	Validation Values	Default Value
<i>action</i>	String(10)	Yes	allow allowtimed block	allow
<i>timeout</i>	Integer	No	60 through 86,400 seconds	No default
<i>timeSchedule</i>	String(40)	No	Valid service provider time schedule	No default
<i>holidaySchedule</i>	String(40)	No	Valid service provider holiday schedule	No default
<i>priority</i>	Float	Yes	0.0 through 1000000.0	No default
<i>criteriaName</i>	String(40)	Yes	Assigned system communication barring criteria or defined service provider digit pattern criteria	No default

3.1.9 Outgoing Calling Plan Call-Me-Now Permissions

Name	Field Type	Required?	Validation Values	Default Value
<i>group</i>	boolean	Yes	True, false	True
<i>local</i>	boolean	Yes	True, false	True
<i>tollfree</i>	boolean	Yes	True, false	False
<i>toll</i>	boolean	Yes	True, false	True
<i>international</i>	boolean	Yes	True, false	False
<i>operatorAssisted</i>	boolean	Yes	True, false	False
<i>chargeableDirectoryAssisted</i>	boolean	Yes	True, false	False
<i>specialService1</i>	boolean	Yes	True, false	False
<i>specialService2</i>	boolean	Yes	True, false	False
<i>premiumServices1</i>	boolean	Yes	True, false	False

Name	Field Type	Required?	Validation Values	Default Value
<i>premiumServices2</i>	boolean	Yes	True, false	False
<i>casual</i>	boolean	Yes	True, false	False
<i>urlDialing</i>	boolean	Yes	True, false	False
<i>unknown</i>	boolean	Yes	True, false	False

3.1.10 Outgoing Calling Plan Call-Me-Now Department Permissions

Name	Field Type	Required?	Validation Values	Default Value
<i>departmentName</i>	String(50)	Yes	Existing department name	None
<i>departmentPermissions</i>	Outgoing Calling Plan Call-Me-Now permissions (see section 3.1.9 Outgoing Calling Plan Call-Me-Now Permissions)	Yes	(See section 3.1.9 Outgoing Calling Plan Call-Me-Now Permissions .)	None

3.1.11 Group Outgoing Calling Plan Call Me Now

Name	Field Type	Required?	Validation Values	Default Value
<i>groupDefaultPermissions</i>	Outgoing Calling Plan Call-Me-Now permissions (see section 3.1.9 Outgoing Calling Plan Call-Me-Now Permissions)	Yes	(See section 3.1.9 Outgoing Calling Plan Call-Me-Now Permissions .)	None
<i>departmentPermissions</i>	List Outgoing Calling Plan Call-Me-Now department permissions (see section 3.1.9 Outgoing Calling Plan Call-Me-Now Department Permissions)	No	(See section 3.1.10 Outgoing Calling Plan Call-Me-Now Department Permissions .)	None

3.1.12 Outgoing Digit Plan Call-Me-Now Permissions

Name	Field Type	Required?	Validation Values	Default Value
<i>digitPatternName</i>	String(30)	Yes	Existing group/user calling plan digit pattern	None
<i>permission</i>	String(1)	Yes	Y (allow), N (block)	Y

3.1.13 Outgoing Digit Plan Call-Me-Now Department Permissions

Name	Field Type	Required?	Validation Values	Default Value
<i>departmentName</i>	String(50)	Yes	Existing department name	None
<i>departmentPermissions</i>	List of Outgoing Digit Plan Call-Me-Now permissions (see section 3.1.12 Outgoing Digit Plan Call-Me-Now Permissions)	Yes	(See section 3.1.12 Outgoing Digit Plan Call-Me-Now Permissions .)	None

3.1.14 Group Outgoing Digit Plan Call-Me-Now

Name	Field Type	Required?	Validation Values	Default Value
<i>groupDefaultPermissions</i>	List of Outgoing Digit Plan Call-Me-Now Permissions (see section 3.1.12 Outgoing Digit Plan Call-Me-Now Permissions)	Yes	(See section 3.1.12 Outgoing Digit Plan Call-Me-Now Permissions .)	None
<i>departmentPermissions</i>	List of Outgoing Digit Plan Call-Me-Now department permissions (see section 3.1.13 Call-Me-Now Criteria)	No	(See section 3.1.13 Call-Me-Now Criteria .)	None

3.1.15 Outgoing Pinhole Digit Plan Call-Me-Now Permissions

Name	Field Type	Required?	Validation Values	Default Value
<i>digitPatternName</i>	String(30)	Yes	Existing group/user calling plan digit pattern	None
<i>permission</i>	String(1)	Yes	I (Ignore) Y (Allow)	I

3.1.16 Outgoing Pinhole Digit Plan Call-Me-Now Department Permissions

Name	Field Type	Required?	Validation Values	Default Value
<i>departmentName</i>	String(50)	Yes	Existing department name	None
<i>departmentPermissions</i>	List of Outgoing Pinhole Digit Plan Call-Me-Now permissions (see section 3.1.15 Outgoing Pinhole Digit Plan Call-Me-Now Permissions)	Yes	(See section 3.1.15 Outgoing Pinhole Digit Plan Call-Me-Now Permissions .)	None

3.1.17 Group Outgoing Pinhole Digit Plan Call Me Now

Name	Field Type	Required?	Validation Values	Default Value
<i>groupDefaultPermissions</i>	List of Outgoing Pinhole Digit Plan Call-Me-Now permissions (see section 3.1.15 Outgoing Pinhole Digit Plan Call-Me-Now Permissions)	Yes	(See section 3.1.15 Outgoing Pinhole Digit Plan Call-Me-Now Permissions .)	None
<i>departmentPermissions</i>	List of Outgoing Pinhole Digit Plan Call-Me-Now department permissions (see section 3.1.16 Outgoing Pinhole Digit Plan Call-Me-Now Department Permissions)	No	(See section 3.1.16 Outgoing Pinhole Digit Plan Call-Me-Now Department Permissions .)	None

3.1.18 User Outgoing Calling Plan Call Me Now

Name	Field Type	Required?	Validation Values	Default Value
<i>userPermissions</i>	Outgoing Calling Plan Call-Me-Now permissions (see section 3.1.9 Outgoing Calling Plan Call-Me-Now Permissions)	No	(See section 3.1.9 Outgoing Calling Plan Call-Me-Now Permissions .)	None

3.1.19 User Outgoing Digit Plan Call Me Now

Name	Field Type	Required?	Validation Values	Default Value
<i>userPermissions</i>	List of Outgoing Digit Plan Call-Me-Now permissions (see section 3.1.12 Outgoing Digit Plan Call-Me-Now Permissions)	No	(See section 3.1.12 Outgoing Digit Plan Call-Me-Now Permissions .)	None

3.1.20 User Outgoing Pinhole Digit Plan Call Me Now

Name	Field Type	Required?	Validation Values	Default Value
<i>userPermissions</i>	List of Outgoing Pinhole Digit Plan Call-Me-Now permissions (see section 3.1.15 Outgoing Pinhole Digit Plan Call-Me-Now Permissions)	No	(See section 3.1.15 Outgoing Pinhole Digit Plan Call-Me-Now Permissions .)	None

3.2 Centralized Configuration Data

There is no impact.

3.3 Web Portal Impacts

3.3.1 General Description

The Call Me Now service is now available for authorizing to service providers, enterprises, and groups when licensed.

The Call Me Now service can be assigned and configured by users when authorized. The following pages were added at the user level to allow the configuration of the Call Me Now service:

- *User* → *Incoming Calls* → *Call Me Now*
- *User* → *Incoming Calls* → *Call Me Now* → *Add*
- *User* → *Incoming Calls* → *Call Me Now* → *Modify*

The Call Me Now service can be turned on or off. The user can define the type of answer confirmation presented by the Call Me Now service to the external user. Criteria can also be configured to allow and reject calls based on numbers/digit patterns, time schedule, and holiday schedule.

A new *Call Me Now* tab is added to the following pages so that rules/permissions can be assigned to filter calls related to the Call Me Now service:

- *System* → *Communication Barring* → *Profiles* → *Add*
- *System* → *Communication Barring* → *Profiles* → *Modify*

- *Service Provider → Communication Barring → Profiles → Add*
- *Service Provider → Communication Barring → Profiles → Modify*
- *Service Provider → Communication Barring → Profiles View (Read-only)*
- *Group → Calling Plan → Outgoing Calling Plan*
- *Group → Calling Plan → Outgoing Digit Plan*
- *Group → Calling Plan → Outgoing Pinhole Digit Plan*
- *User → Calling Plans → Outgoing Calling Plan*
- *User → Calling Plans → Outgoing Calling Plan (Read-only)*
- *User → Calling Plans → Outgoing Digit Plan*
- *User → Calling Plans → Outgoing Digit Plan (Read-only)*
- *User → Calling Plans → Outgoing Pinhole Digit Plan*
- *User → Calling Plans → Outgoing Pinhole Digit Plan (Read-only)*

The new *Call Me Now* tab is not available on any of the pages above if the *Call Me Now* feature is activatable but is not activated. For information on how to activate this feature, see section [10.2 Feature Activation Impacts](#).

Furthermore, the *Call Me Now* tab is not available if conditions are not met at various levels of the provisioning hierarchy.

Level	Page Names	Call Me Now Tab Available if the Call Me Now Service is:
System	<i>System → Communication Barring → Profiles → Add</i> <i>System → Communication Barring → Profiles → Modify</i>	Licensed
SP	<i>Service Provider → Communication Barring → Profiles → Add</i> <i>Service Provider → Communication Barring → Profiles → Modify</i> <i>Service Provider → Communication Barring → Profiles View (Read-only)</i>	Authorized at service provider level
Group	<i>Group → Calling Plan → Outgoing Calling Plan</i> <i>Group → Calling Plan → Outgoing Digit Plan</i> <i>Group → Calling Plan → Outgoing Pinhole Digit Plan</i>	Authorized at group level
User	<i>User → Calling Plans → Outgoing Calling Plan</i> <i>User → Calling Plans → Outgoing Digit Plan</i> <i>User → Calling Plans → Outgoing Pinhole Digit Plan</i>	Authorized at group level
User	<i>User → Calling Plans → Outgoing Calling Plan (Read-only)</i> <i>User → Calling Plans → Outgoing Digit Plan (Read-only)</i> <i>User → Calling Plans → Outgoing Pinhole Digit Plan (Read-only)</i>	Assigned at user level

3.3.2 Policy Impacts

There is no impact.

3.3.3 Web Pages

The following figures show various related web pages.

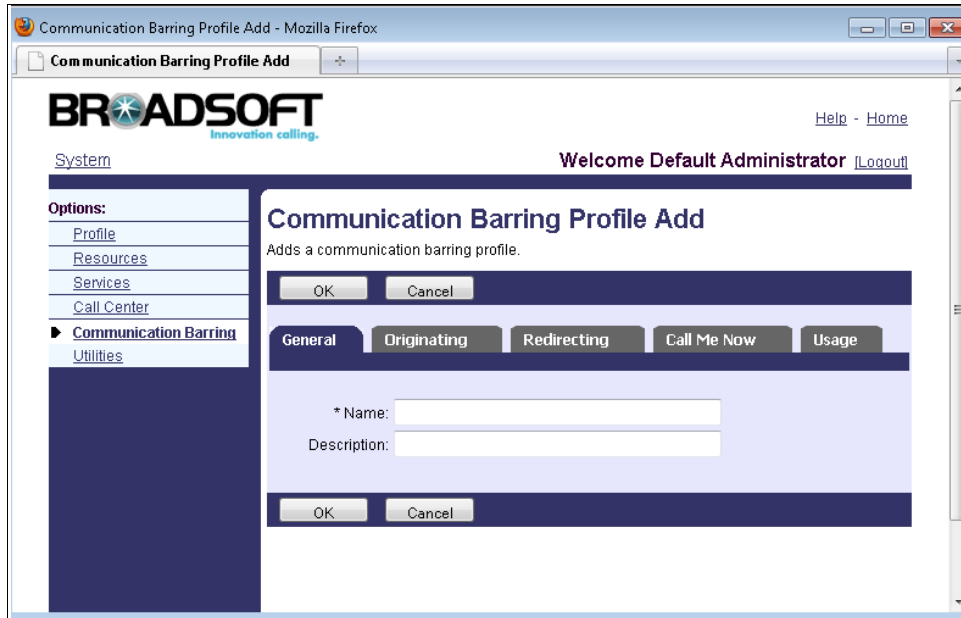


Figure 12 The *System* → *Communication Barring* → *Communication Barring Profile Add* page is modified. A tab named *Call Me Now* is added. The *Call Me Now* tab is only visible if the *Call Me Now* service is licensed. The *Call Me Now* tab can only be selected once the profile name is entered. Clicking any tab saves the settings on this page.



Figure 13 The *System* → *Communication Barring* → *Communication Barring Profile Modify* page is modified. A tab named *Call Me Now* is added. This tab is only visible if the Call Me Now service is licensed. It is used to define the sets of rules to be enforced for Call-Me-Now calls. This is done by assigning actions to selected criteria, thereby forming a rule. Only Communication Barring Criteria can be used for Call-Me-Now rules. Digit pattern criteria are not used for Call-Me-Now rules. A given criterion can be added to a profile more than once. Newly added criteria appear at the bottom of the list (but above *All Other Calls*). The possible actions are *Allow*, *Allow (timed)*, and *Block*. When the selected action is *Allow (timed)*, this page allows the ability to enter a maximum call duration. Clicking any tab saves the settings on this page.

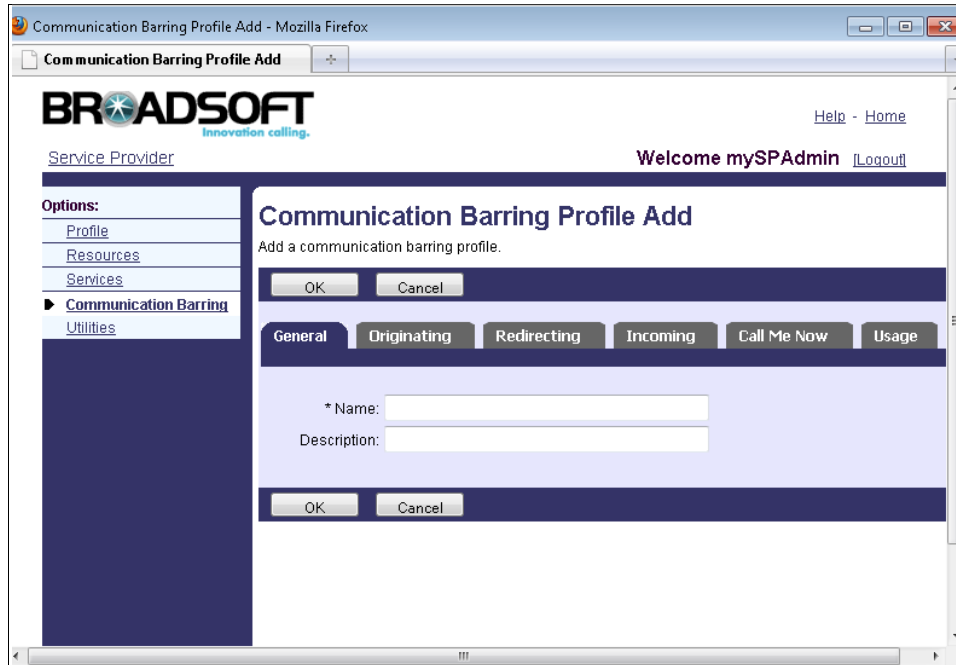


Figure 14 The *Service Provider* → *Communication Barring* → *Communication Barring Profile Add* page is modified. A new tab named *Call Me Now* is visible only if the *Call Me Now* service is authorized to the service provider. The *Call Me Now* tab can only be selected once the profile name is entered. Clicking any tab saves the settings on this page.

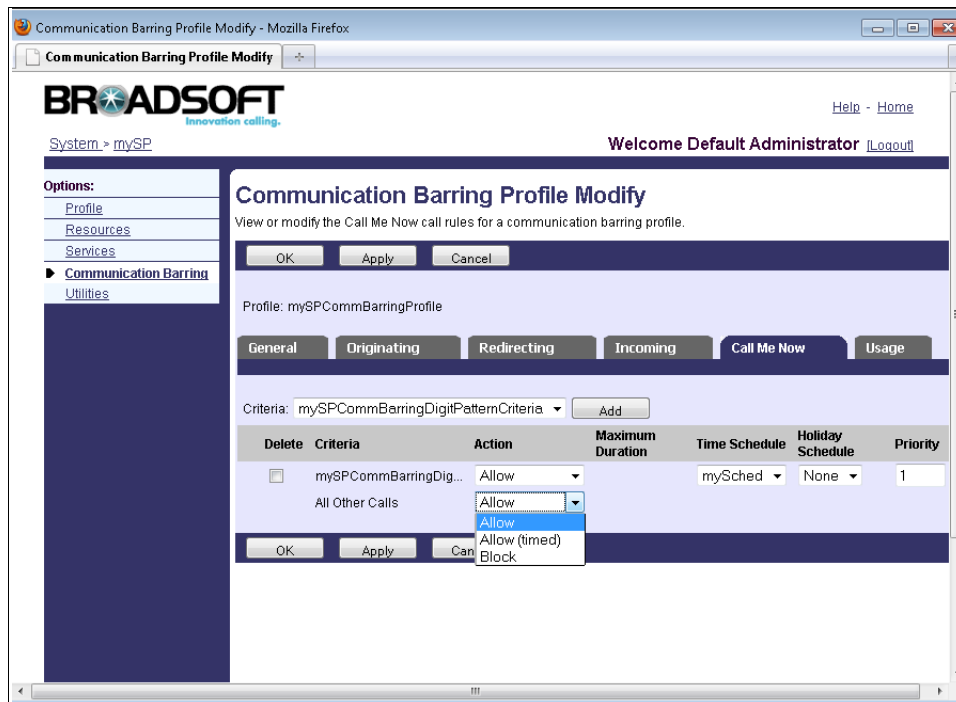


Figure 15 The *Service Provider* → *Communication Barring* → *Communication Barring Profile Modify* page is modified. Service provider/enterprise administrators with the *Communication Barring Access* policy set to “full” or system administrators can view this page. A tab named *Call Me Now* is added. This tab is only visible if the *Call Me Now* service is authorized to the service provider. It is used to define the sets of rules to be enforced for *Call-*

Me-Now calls. This is done by assigning actions to selected criteria, thereby forming a rule. Only digit pattern criteria can be used for Call-Me-Now rules. Communication barring criteria are not used for Call-Me-Now rules. A given criterion can be added to a profile more than once. Newly added criteria appear at the bottom of the list (but above *All Other Calls*). A priority must be given to all rules in a profile. The priorities for Call-Me-Now rules are requantized to consecutive integers as part of saving or applying changes. The possible actions are *Allow*, *Allow (timed)*, and *Block*. When the selected action is *Allow (timed)*, this page allows the ability to enter a maximum call duration. A time schedule and holiday schedule can also be selected. Clicking any tab saves the settings on this page.

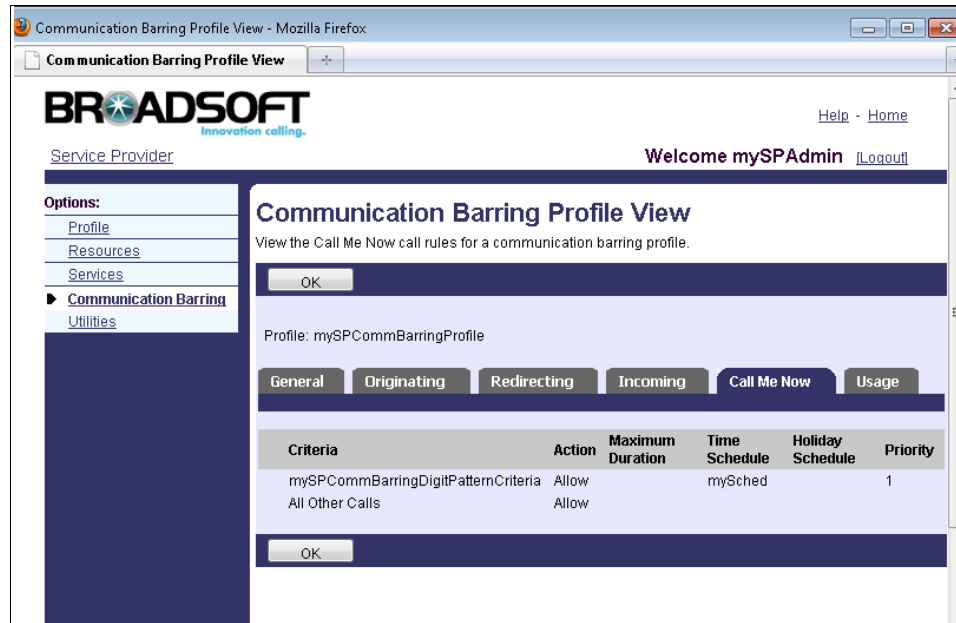


Figure 16 The *Service Provider* → *Communication Barring* → *Communication Barring Profile View (Read-only)* page is modified. A tab named *Call Me Now* is added to view the communication barring rules applicable to the Call Me Now service. This tab is only visible if the Call Me Now service is authorized to the service provider. This page is available to service providers with read-only access to communication barring control, as configured on the *Service Provider Administrator Policies* page. Service providers with full access can edit the Call-Me-Now rules for communication barring.

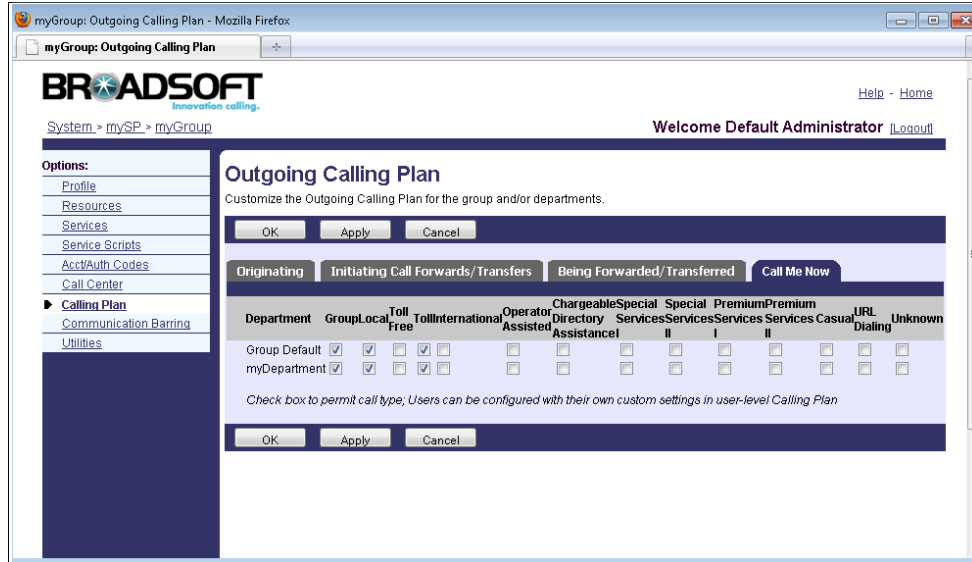


Figure 17 The *Group* → *Calling Plan* → *Outgoing Calling Plan* page is modified. A tab named *Call Me Now* is added. This tab is only visible if the *Call Me Now* service is authorized to the group. It is used to control the call types allowed for calls related to the *Call Me Now* service. The call type is allowed if the check box is selected. Otherwise, the call type is blocked.

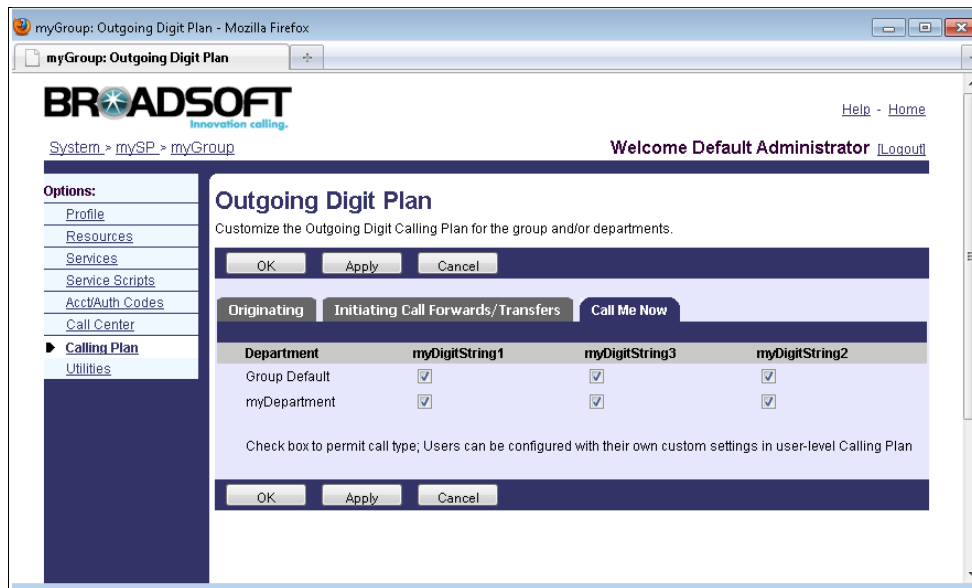


Figure 18 The *Group* → *Calling Plan* → *Outgoing Digit Plan* page is modified. A tab named *Call Me Now* is added. This tab is only visible if the *Call Me Now* service is authorized to the group. It is used to control digit string permissions applied on calls related to the *Call Me Now* service. Calls matching the digit string are allowed if the check box is selected. Calls matching the digit string are blocked if the check box is empty.

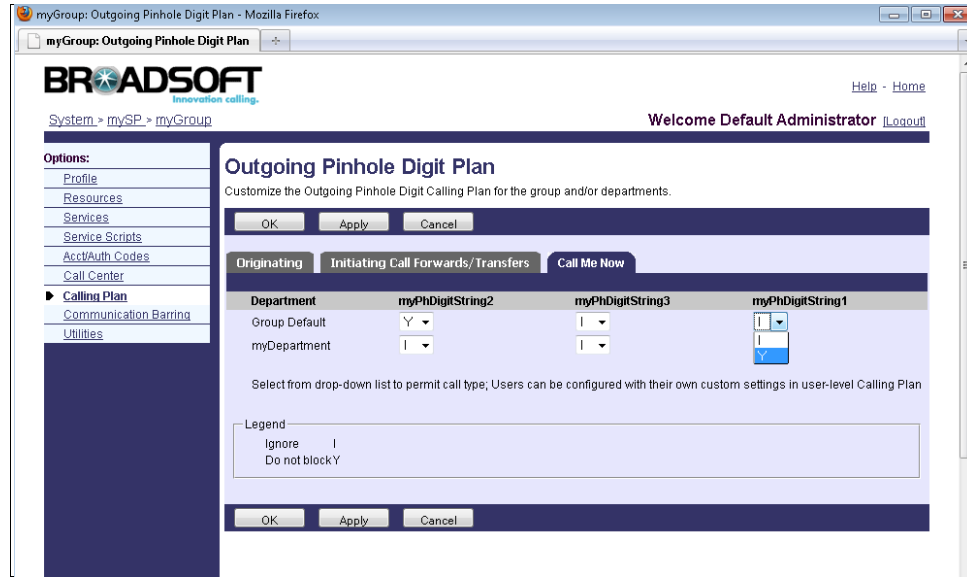


Figure 19 The *Group* → *Calling Plan* → *Outgoing Pinhole Digit Plan* page is modified. A tab named *Call Me Now* is added. This tab is only visible if the *Call Me Now* service is authorized to the group. It is used to control pinhole digit string permissions applied on calls related to the *Call Me Now* service. Calls matching the pinhole digit string are allowed if “Y” is selected from the drop-down box, even if they would have been rejected at the *Outgoing Digit Plan* level or the *Outgoing Calling Plan* level. The digit string is ignored if the choice selected is “I”.

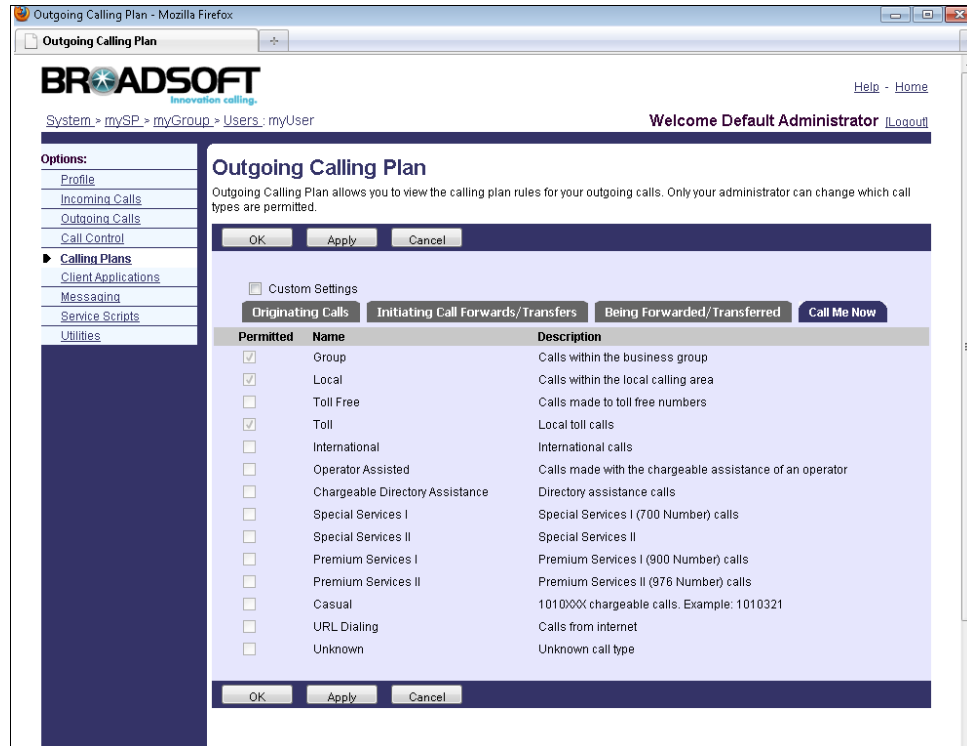


Figure 20 The *User* → *Calling Plans* → *Outgoing Calling Plan* page is modified. A tab named *Call Me Now* is added. This tab is only visible if the *Call Me Now* service is authorized to the group to which the user belongs. It is used to view and override the call types allowed for calls related to the *Call Me Now* service. The administrator must first select the *Custom Settings* check box to allow the overriding of allowed call types.

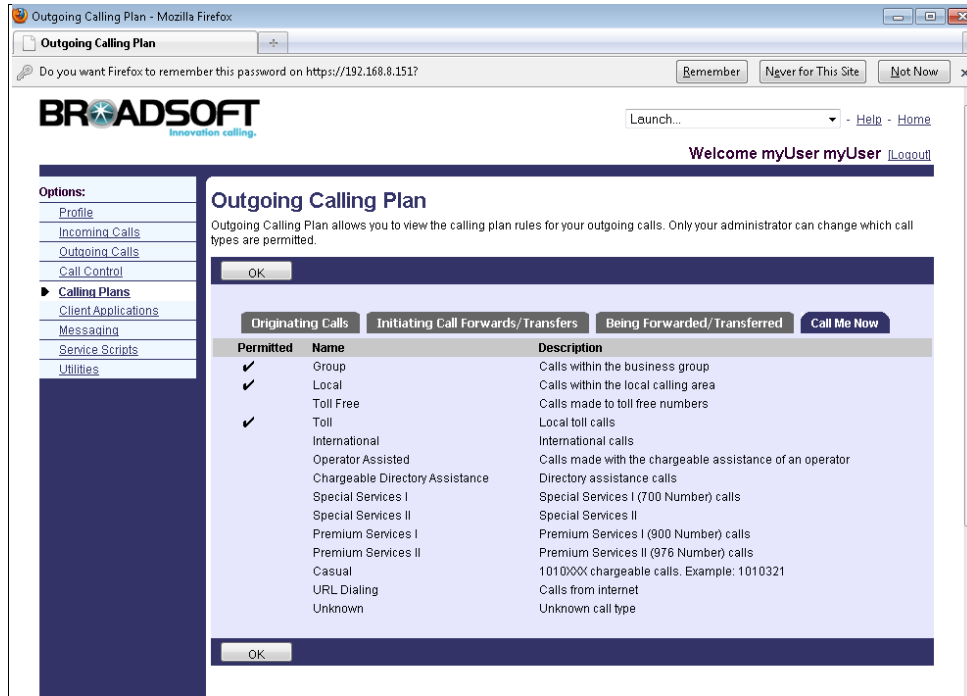


Figure 21 The User → Calling Plans → Outgoing Calling Plan (Read-only) page is modified. This page is accessible by the user. A tab named *Call Me Now* is added. This tab is only visible if the Call Me Now service is assigned to the user. It is used to view the call types allowed for calls related to the Call Me Now service. It does not allow the overriding of settings made by the administrator.

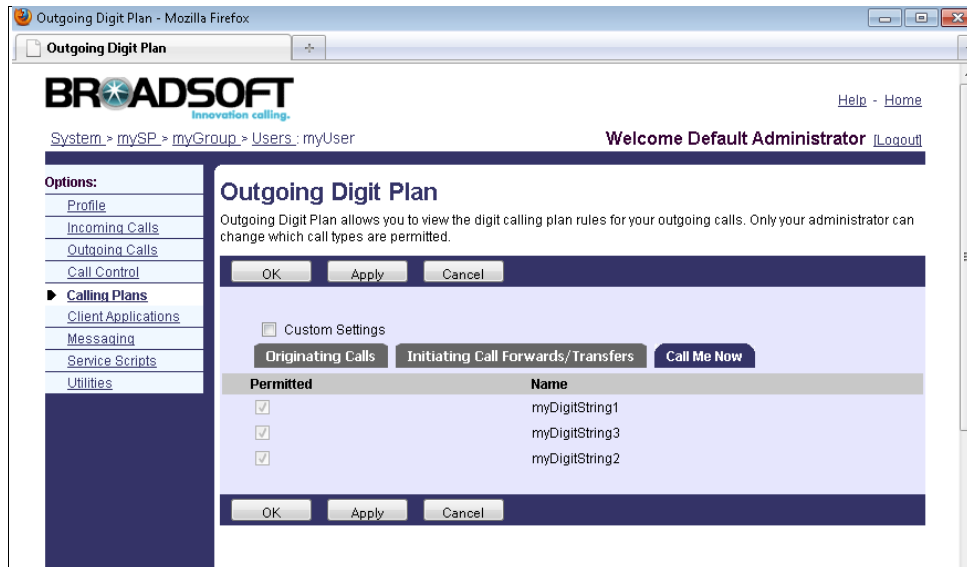


Figure 22 The User → Calling Plans → Outgoing Digit Plan page is modified. System, service provider/enterprise, and group administrators can view this page. A tab named *Call Me Now* is added. This tab is only visible if the Call Me Now service is authorized to the group to which the user belongs. It is used to view and override digit strings permissions applied on calls related to the Call Me Now service. The administrator must first select the *Custom Settings* check box to allow the overriding of permission settings.

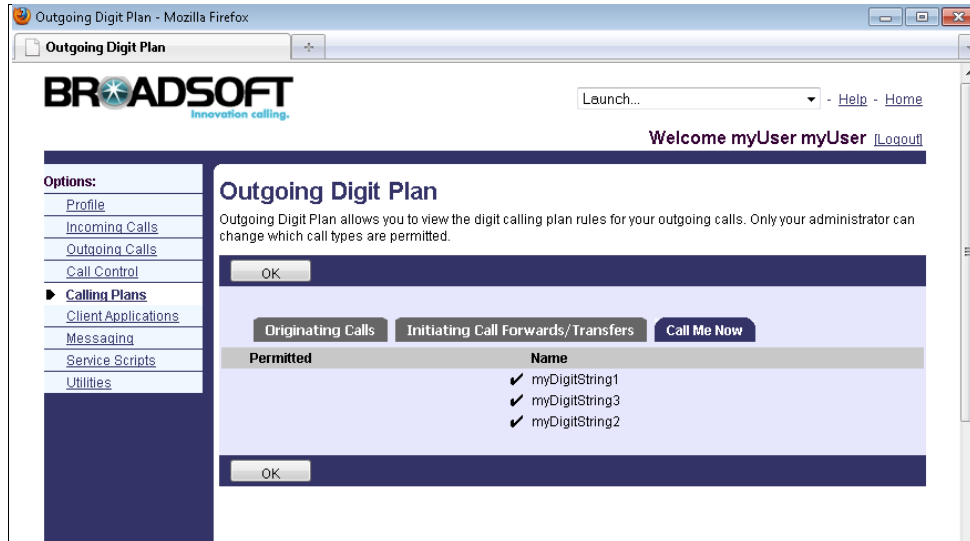


Figure 23 The User → Calling Plans → Outgoing Digit Plan (Read-only) page is modified. This page is accessible by the user. A tab named *Call Me Now* is added. This tab is only visible if the Call Me Now service is assigned to the user. It is used to view digit strings permissions applied on calls related to the Call Me Now service. It does not allow the overriding of settings made by the administrator.

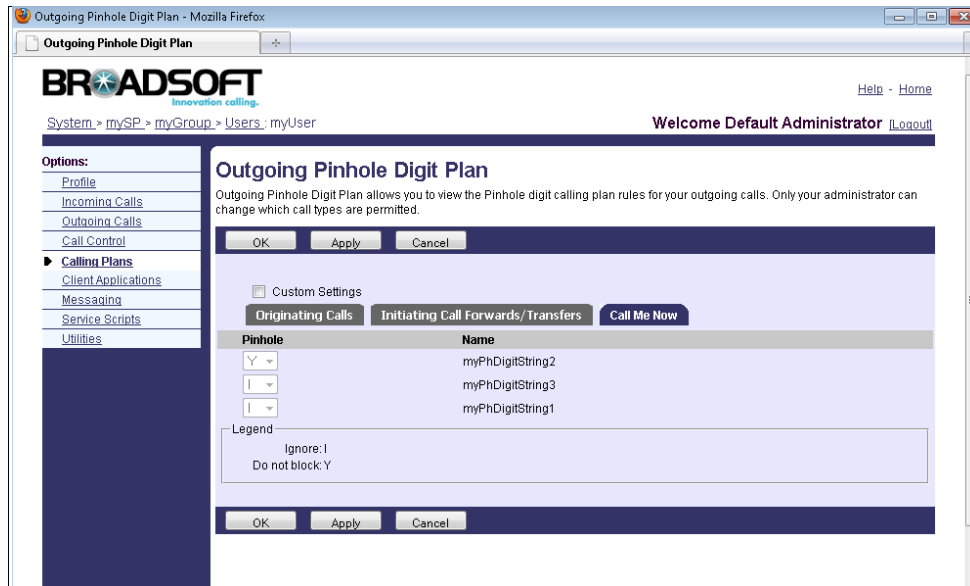


Figure 24 The User → Calling Plans → Outgoing Pinhole Digit Plan page is modified. System, service provider/enterprise, and group administrators can view this page. A tab named *Call Me Now* is added. This tab is only visible if the Call Me Now service is authorized to the group to which the user belongs. It is used to view and override pinhole digit strings permissions applied on calls related to the Call Me Now service. The administrator must first select the *Custom Settings* check box to allow the overriding of permission settings.

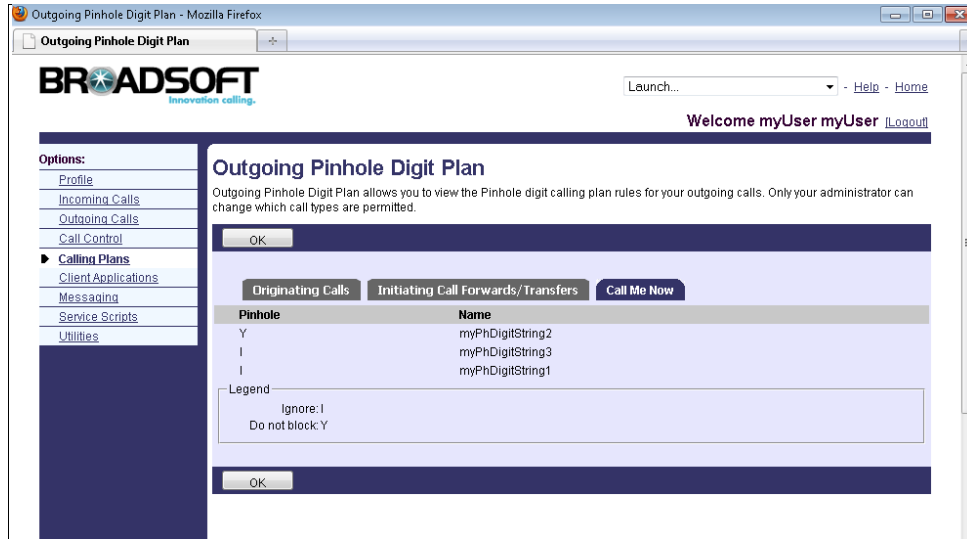


Figure 25 The *User* → *Calling Plans* → *Outgoing Pinhole Digit Plan (Read-only)* page is modified. This page is accessible by the user. A tab named *Call Me Now* is added. This tab is only visible if the *Call Me Now* service is assigned to the user. It is used to view pinhole digit strings permissions applied on calls related to the *Call Me Now* service. It does not allow the overriding of settings made by the administrator.

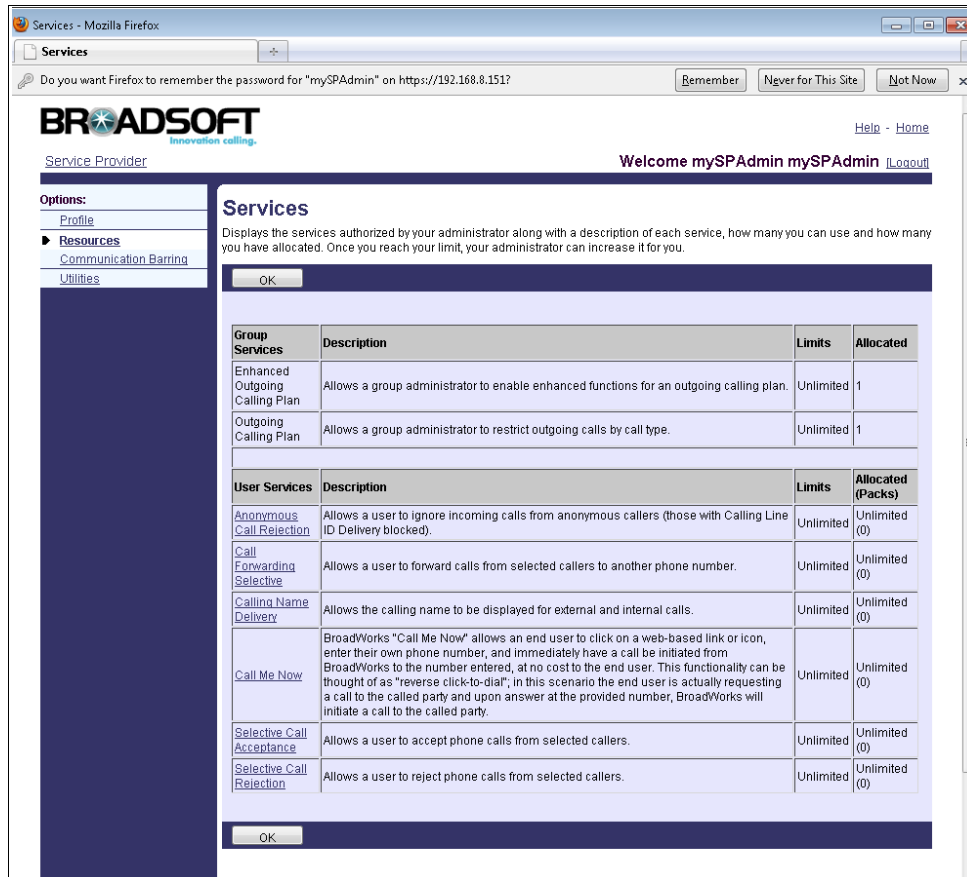


Figure 26 The *Service Provider* → *Resources* → *Services* page is modified. This page is accessed by service provider administrators. A new *User Services* row for the *Call Me Now* service is visible when the service is licensed and authorized to the service provider.

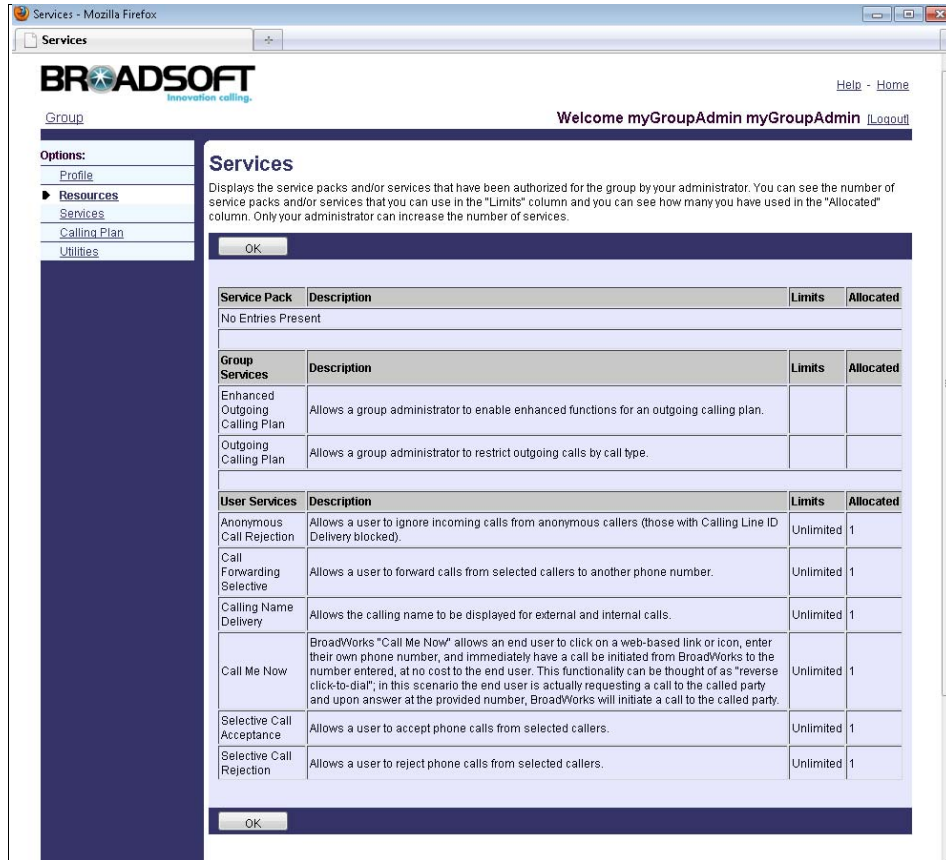


Figure 27 The *Group* → *Resources* → *Services* page is modified. This page is accessed by group administrators. A new *User Services* row for the Call Me Now service is visible when the service is licensed and authorized to the group.

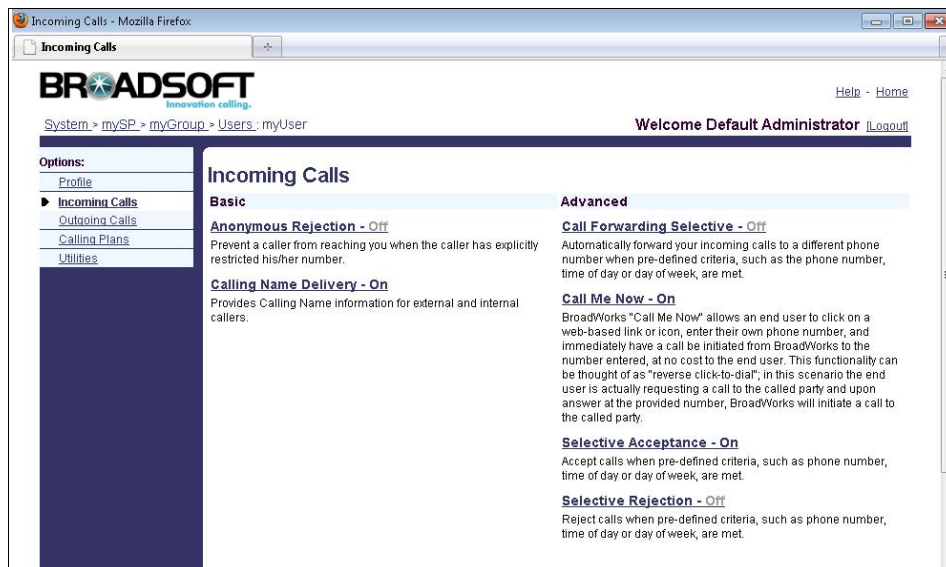


Figure 28 The *User* → *Incoming Calls* menu is modified. A link to configure the Call Me Now service is visible when the service is assigned to the user.

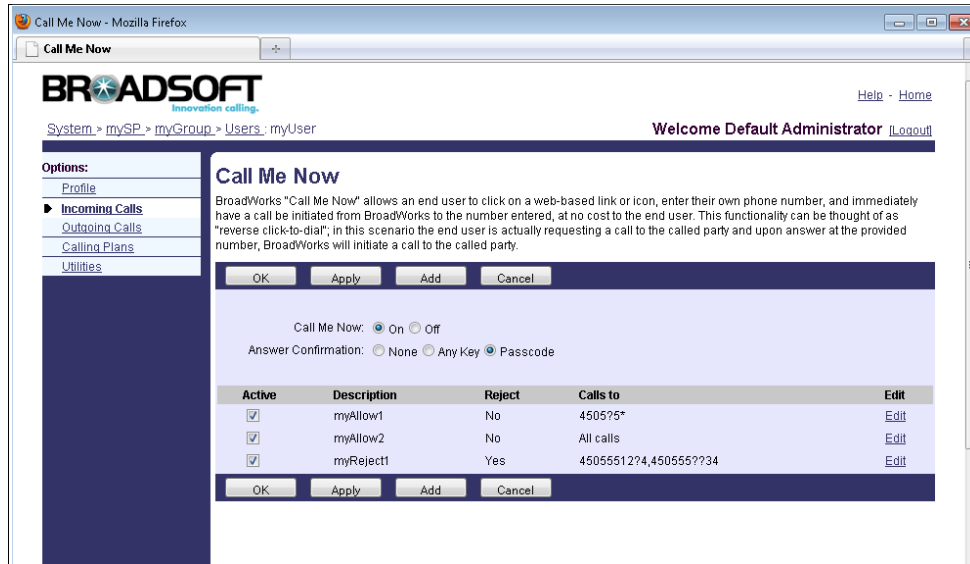


Figure 29 The User → Incoming Calls → Call Me Now page is added. It is used to configure the Call Me Now service. The service can be turned on or off for the user. The user selects the answer confirmation type that the external user has to enter to allow the establishment of the Call-Me-Now call. In addition, the user can enter criteria to be matched for the call to be allowed.

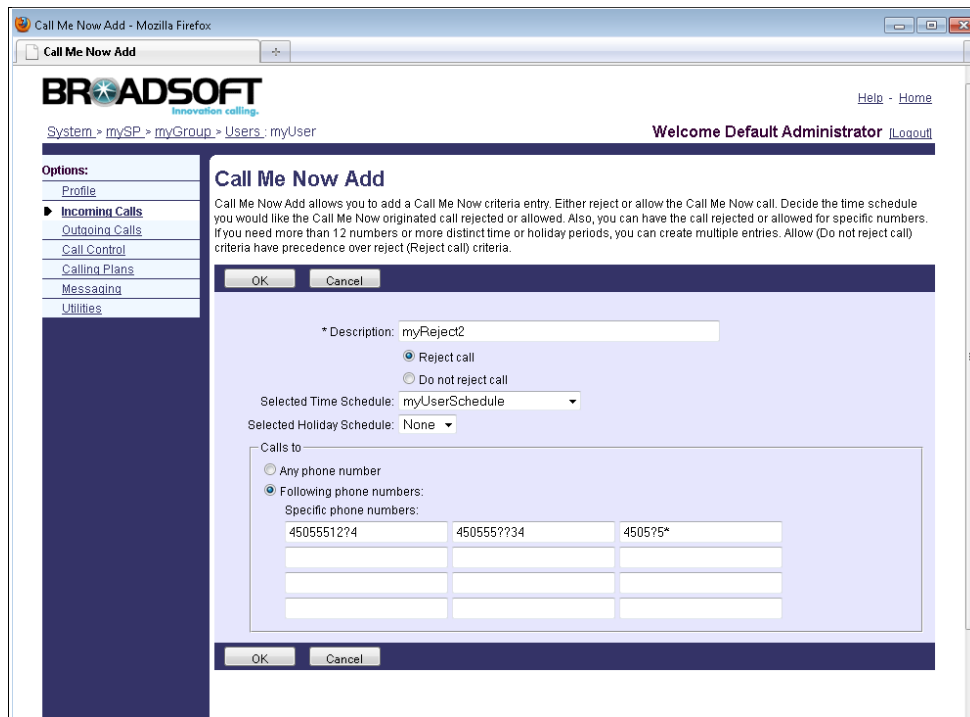


Figure 30 The User → Incoming Calls → Call Me Now Add page is added. It is used to add criteria to filter calls related to the Call Me Now service. Newly added criteria are automatically active. Calls can be rejected or allowed based on a list of up to 12 phone numbers/digit patterns and time schedule. A holiday schedule can also be specified. You can use wild cards in phone numbers/digit patterns. The "?" is a wild card that can replace a single digit anywhere in a digit string. A trailing "*" represents a digit string and can appear only at the end of a group of digits and "?" wild cards. Following are some examples: 45055512?4, 450555??34, 4505?5*.

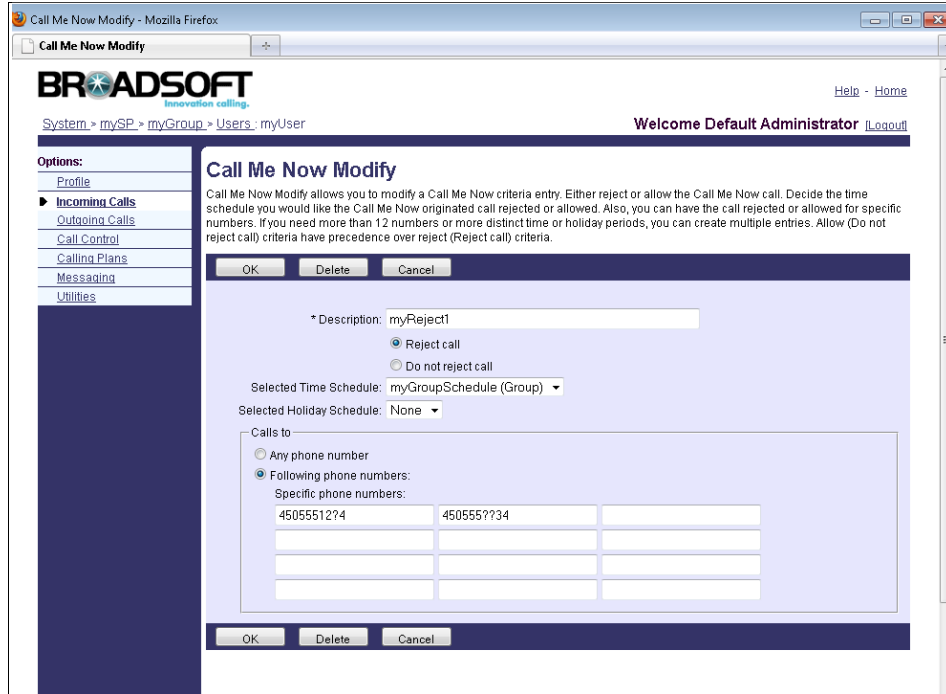


Figure 31 The User → Incoming Calls → Call Me Now Modify page is added. It is used to modify criteria to filter calls related to the Call Me Now service. Newly added criteria are automatically active. Calls can be rejected or allowed based on a list of up to 12 phone numbers/digit patterns and time schedule. A holiday schedule can also be specified. You can use wild cards in phone numbers/digit patterns. The "?" is a wild card that can replace a single digit anywhere in a digit string. A trailing "*" represents a digit string and can appear only at the end of a group of digits and "?" wild cards. Following are some examples: 45055512?4, 450555??34, 4505?5*.

3.3.4 Help Pages

The following *Help* pages are added:

Level	Menu	Page Name (User Level)	User Type	Help Page Link
System	Communication Barring	<i>Profile – Call Me Now tab</i>	SA	/Help/en_US/SA/SA_CommBarring_Profile_CallMeNow.htm
SP	Communication Barring	<i>Profile – Call Me Now tab</i>	SP	/Help/en_US/SP/SP_CommBarring_Profile_CallMeNow.htm
SP	Communication Barring	<i>Profile – Call Me Now tab</i>	SP	/Help/en_US/SP/SP_CommBarring_Profile_CallMeNow_ReadOnly.htm
Group	Calling Plan	<i>Outgoing Calling Plan – Call Me Now tab</i>	GA	/Help/en_US/GA/GA_CP_Outgoing_CallMeNow.htm
Group	Calling Plan	<i>Outgoing Digit Plan – Call Me Now tab</i>	GA	/Help/en_US/GA/GA_DP_Outgoing_CallMeNow.htm
Group	Calling Plan	<i>Outgoing Pinhole Digit Plan – Call Me Now tab</i>	GA	/Help/en_US/GA/GA_OutgoingPinholeDP_CallMeNow.htm

Level	Menu	Page Name (User Level)	User Type	Help Page Link
User	Calling Plans	<i>Outgoing Calling Plan – Call Me Now tab</i>	GA	/Help/en_US/GA/GA_User_CP_CallMeNow.htm
User	Calling Plans	<i>Outgoing Digit Plan – Call Me Now tab</i>	GA	/Help/en_US/GA/GA_User_OutgoingDP_CallMeNow.htm
User	Calling Plans	<i>Outgoing Pinhole Digit Plan – Call Me Now tab</i>	GA	/Help/en_US/GA/GA_User_OutgoingPinholeDP_CallMeNow.htm
User	Calling Plans	<i>Outgoing Calling Plan – Call Me Now tab</i>	User	/Help/en_US/User/User_CP_CallMeNow.htm
User	Calling Plans	<i>Outgoing Digit Plan – Call Me Now tab</i>	User	/Help/User/User_OutgoingDP_CallMeNow.htm
User	Calling Plans	<i>Outgoing Pinhole Digit Plan – Call Me Now tab</i>	User	/Help/en_US/User/User_OutgoingPinholeDP_CallMeNow.htm
User	Incoming Calls	<i>Call Me Now</i>	User	/Help/en_US/User/User_CallMeNow.htm
User	Incoming Calls	<i>Call Me Now – Add</i>	User	/Help/en_US/User/User_CallMeNow_Add.htm
User	Incoming Calls	<i>Call Me Now – ModifyDelete</i>	User	/Help/en_US/User/User_CallMeNow_ModifyDelete.htm

The following help pages are modified:

Level	Menu	Page Name (User Level)	User Type	Help Page Link
System	Communication Barring	<i>Profile – General</i>	SA	/Help/en_US/SA/SA_CommBarring_Profile_General17sp3.htm
System	Communication Barring	<i>Profile – Originating tab</i>	SA	/Help/en_US/SA/SA_CommBarring_Profile_Originating17sp3.htm
System	Communication Barring	<i>Profile – Redirecting tab</i>	SA	/Help/en_US/SA/SA_CommBarring_Profile_Redirecting17sp3.htm
System	Communication Barring	<i>Profile – Incoming tab</i>	SA	/Help/en_US/SA/SA_CommBarring_Profile_Incoming17sp3.htm
SP	Communication Barring	<i>Profile – General</i>	SP	/Help/en_US/SP/SP_CommBarring_Profile_General_ReadOnly17sp3.htm
SP	Communication Barring	<i>Profile – Add</i>	SP	/Help/en_US/SP/SP_CommBarring_Profile_Add17sp3.htm
SP	Communication Barring	<i>Profile – General</i>	SP	/Help/en_US/SP/SP_CommBarring_Profile_General17sp3.htm
Group	Calling Plan	<i>Outgoing Calling Plan – Originating tab</i>	GA	/Help/en_US/GA/GA_EOCP_Outgoing17sp3.htm

Level	Menu	Page Name (User Level)	User Type	Help Page Link
Group	Calling Plan	<i>Outgoing Calling Plan – Originating tab</i>	GA	/Help/en_US/GA/GA_CP_Outgoing17sp3.htm
Group	Calling Plan	<i>Outgoing Calling Plan – Initiating Call Forwards/ Transfers tab</i>	GA	/Help/en_US/GA/GA_CP_Outgoing_TransferFwd17sp3.htm
Group	Calling Plan	<i>Outgoing Calling Plan – Being Forwarded/ Transferred tab</i>	GA	/Help/en_US/GA/GA_CP_Outgoing_BeTransferFwd17sp3.htm
Group	Calling Plan	<i>Outgoing Digit Plan – Originating tab</i>	GA	/Help/GA/GA_DP_Outgoing_Originating_EOCP17sp3.htm
Group	Calling Plan	<i>Outgoing Digit Plan – Originating tab</i>	GA	/Help/GA/GA_DP_Outgoing_Originating17sp3.htm
Group	Calling Plan	<i>Outgoing Digit Plan – Initiating Call Forwards/ Transfers tab</i>	GA	/Help/GA/GA_DP_Outgoing_FwdTransfer17sp3.htm
Group	Calling Plan	<i>Outgoing Pinhole Digit Plan – Originating tab</i>	GA	/Help/en_US/GA/GA_OutgoingPinholeDP_Orig17sp3.htm
Group	Calling Plan	<i>Outgoing Pinhole Digit Plan – Initiating Call Forwards/ Transfers tab</i>	GA	/Help/en_US/GA/GA_OutgoingPinholeDP_Fwd17sp3.htm
User	Calling Plans	<i>Outgoing Calling Plan – Originating tab</i>	GA	/Help/en_US/GA/GA_User_EOCP_Outgoing17sp3.htm
User	Calling Plans	<i>Outgoing Calling Plan – Originating tab</i>	GA	/Help/en_US/GA/GA_User_CP_Outgoing17sp3.htm
User	Calling Plans	<i>Outgoing Calling Plan – Being Forwarded/ Transferred tab</i>	GA	/Help/en_US/GA/GA_User_CP_BeTransferFwd17sp3.htm
User	Calling Plans	<i>Outgoing Calling Plan – Initiating Call Forwards/ Transfers tab</i>	GA	/Help/en_US/GA/GA_User_CP_TransferFwd17sp3.htm
User	Calling Plans	<i>Outgoing Digit Plan – Originating tab</i>	GA	/Help/en_US/GA/GA_User_EOCP_OutgoingDP17sp3.htm

Level	Menu	Page Name (User Level)	User Type	Help Page Link
User	Calling Plans	<i>Outgoing Digit Plan – Originating tab</i>	GA	/Help/GA/GA_User_OutgoingDP_Originating17sp3.htm
User	Calling Plans	<i>Outgoing Digit Plan – Initiating Call Forwards/ Transfers tab</i>	GA	/Help/en_US/GA/GA_User_OutgoingDP_TransferFwd17sp3.htm
User	Calling Plans	<i>Outgoing Pinhole Digit Plan – Originating tab</i>	GA	/Help/en_US/GA/GA_User_OutgoingPinholeDP_Orig17sp3.htm
User	Calling Plans	<i>Outgoing Pinhole Digit Plan – Initiating Call Forwards/ Transfers tab</i>	GA	/Help/en_US/GA/GA_User_OutgoingPinholeDP_Fwd17sp3.htm
User	Calling Plans	<i>Outgoing Calling Plan – Originating tab</i>	User	/Help/en_US/User/User_EOCP_Outgoing17sp3.htm
User	Calling Plans	<i>Outgoing Calling Plan – Originating tab</i>	User	/Help/en_US/User/User_Outgoing17sp3.htm
User	Calling Plans	<i>Outgoing Calling Plan – Being Forwarded/ Transferred tab</i>	User	/Help/en_US/User/User_CP_BeTransferFwd17sp3.htm
User	Calling Plans	<i>Outgoing Calling Plan – Initiating Call Forwards/ Transfers tab</i>	User	/Help/en_US/User/User_CP_TransferFwd17sp3.htm
User	Calling Plans	<i>Outgoing Digit Plan – Originating tab</i>	User	/Help/en_US/User/User_EOCP_OutgoingDP17sp3.htm
User	Calling Plans	<i>Outgoing Digit Plan – Originating tab</i>	User	/Help/User/User_OutgoingDP_Originating17sp3.htm
User	Calling Plans	<i>Outgoing Digit Plan – Initiating Call Forwards/ Transfers tab</i>	User	/Help/User/User_OutgoingDP_TransferFwd17sp3.htm
User	Calling Plans	<i>Outgoing Pinhole Digit Plan – Originating tab</i>	User	/Help/en_US/User/User_OutgoingPinholeDP_Orig17sp3.htm

Level	Menu	Page Name (User Level)	User Type	Help Page Link
User	Calling Plans	<i>Outgoing Pinhole Digit Plan – Initiating Call Forwards/ Transfers tab</i>	User	/Help/en_US/User/User_OutgoingPinholeDP_Fwd17sp3.htm

3.4 CLI Impacts

3.4.1 Application Server CLI Impacts

3.4.2 Summary

A new context, *AS_CLI/Service/CallMeNow*, is added to manage the system-level Call Me Now service attributes.

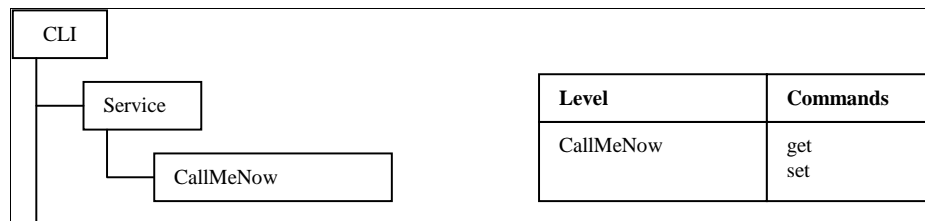


Figure 32 CLI Hierarchy Changes

3.4.3 CallMeNow Context

AS_CLI/Service/CallMeNow>get

Location within CLI Tree:

AS_CLI/Service/CallMeNow

Command Format:

```
get          This command is used to view Call Me Now-related attributes.
=====
get
get takes no parameter
```

Command Definition and Usage:

This command is used to view the system level Call Me Now attributes.

Parameter Definitions (include default value, if any):

Example:

```
$ AS_CLI/Service/CallMeNow > get
  passcodeLength = 10
  passcodeTimeoutSeconds = 60
...Done
```

3.4.4 Command

AS_CLI/Service/CallMeNow>set

Location within CLI Tree:

```
AS_CLI/Service/CallMeNow
```

Command Format:

set This command is used to modify Call Me Now-related attributes.

```
set
  <attribute>, Multiple Choice = { passcodeLength,
  passcodeTimeoutSeconds }
  <passcodeLength>, Integer {2 to 30}
  <passcodeTimeoutSeconds>, Integer {30 to 180}
```

Command Definition and Usage:

This command is used to modify the system level Call Me Now attributes.

Parameter Definitions (include default value, if any):

passcodeLength	The number of characters for the call me now passcode.
passcodeTimeoutSeconds	The length of time allowed for the passcode to be accepted.

Example:

```
$ AS_CLI/Service/CallMeNow > set passcodeLength 10
  passcodeTimeoutSeconds 40
...Done
```

3.5 Open Client Interface-Provisioning (OCI-P) Impact

3.5.1 Summary

The following data types are added:

- CommunicationBarringCallMeNowAction
- CommunicationBarringCallMeNowRule
- ServiceProviderCommunicationBarringHierarchicalCallMeNowRule
- ServiceProviderReplacementCommunicationBarringHierarchicalCallMeNowRuleList
- ReplacementCommunicationBarringCallMeNowRuleList
- OutgoingCallingPlanCallMeNowDepartmentPermissions
- OutgoingCallingPlanCallMeNowDepartmentPermissionsModify
- OutgoingCallingPlanCallMeNowPermissions
- OutgoingCallingPlanCallMeNowPermissionsModify
- OutgoingCallingPlanDigitPatternCallMeNowDepartmentPermissions
- OutgoingCallingPlanDigitPatternCallMeNowDepartmentPermissionsModify
- OutgoingCallingPlanDigitPatternCallMeNowPermission
- OutgoingCallingPlanDigitPatternCallMeNowPermissions
- OutgoingPinholeDigitPlanCallMeNowPermission
- OutgoingPinholeDigitPlanDigitPatternCallMeNowDepartmentPermissions
- OutgoingPinholeDigitPlanDigitPatternCallMeNowDepartmentPermissionsModify

- OutgoingPinholeDigitPlanDigitPatternCallMeNowPermission
- OutgoingPinholeDigitPlanDigitPatternCallMeNowPermissions
- CallMeNowAnswerConfirmation
- CallMeNowPasscodeTimeoutSeconds
- CallMeNowPasscodeLength
- CallMeNowCriteriaToDn
- CallMeNowCriteriaToDnModify
- CallMeNowCriteriaToDnSelection

The following service is added to the *UserService* type:

- Call Me Now

The following commands are added:

- SystemCommunicationBarringProfileAddRequest17sp3
- SystemCommunicationBarringProfileGetRequest17sp3
- ServiceProviderCommunicationBarringProfileAddRequest17sp3
- ServiceProviderCommunicationBarringProfileGetRequest17sp3
- GroupOutgoingCallingPlanCallMeNowGetListRequest
- GroupOutgoingCallingPlanCallMeNowModifyListRequest
- GroupOutgoingCallingPlanDigitPlanCallMeNowGetListRequest
- GroupOutgoingCallingPlanDigitPlanCallMeNowModifyListRequest
- GroupOutgoingCallingPlanPinholeDigitPlanCallMeNowGetListRequest
- GroupOutgoingCallingPlanPinholeDigitPlanCallMeNowModifyListRequest
- UserOutgoingCallingPlanCallMeNowGetRequest
- UserOutgoingCallingPlanCallMeNowModifyRequest
- UserOutgoingCallingPlanDigitPlanCallMeNowGetRequest
- UserOutgoingCallingPlanDigitPlanCallMeNowModifyRequest
- UserOutgoingCallingPlanPinholeDigitPlanCallMeNowGetRequest
- UserOutgoingCallingPlanPinholeDigitPlanCallMeNowModifyRequest
- SystemCallMeNowGetRequest
- SystemCallMeNowModifyRequest
- UserCallMeNowAddCriteriaRequest
- UserCallMeNowDeleteCriteriaRequest
- UserCallMeNowGetCriteriaRequest
- UserCallMeNowGetRequest
- UserCallMeNowModifyCriteriaRequest
- UserCallMeNowModifyRequest

The following data type is modified:

- CriteriaFromDnSelection (renamed to CriteriaDnSelection)

The following commands are modified:

- SystemCommunicationBarringProfileModifyRequest
- ServiceProviderCommunicationBarringProfileModifyRequest

The following commands are deprecated:

- SystemCommunicationBarringProfileAddRequest17sp1
- SystemCommunicationBarringProfileGetRequest17sp1
- ServiceProviderCommunicationBarringProfileAddRequest
- ServiceProviderCommunicationBarringProfileGetRequest

3.5.2 Command Impacts

3.5.2.1 UserService

XML Schema file: OCISchemaDataTypes.xsd

```
<xs:simpleType name="UserService">
  <xs:annotation>
    <xs:documentation>
      User level services.
    </xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:token">
    <xs:enumeration value="Advice Of Charge"/>
    <xs:enumeration value="Alternate Numbers"/>
    <xs:enumeration value="Anonymous Call Rejection"/>
    <xs:enumeration value="Attendant Console"/>
    .
    .
    <xs:enumeration value="Call Forwarding Busy"/>
    <xs:enumeration value="Call Forwarding No Answer"/>
    <xs:enumeration value="Call Forwarding Not Reachable"/>
    <xs:enumeration value="Call Forwarding Selective"/>
    <xs:enumeration value="Call Me Now"/>
    <xs:enumeration value="Call Notify"/>
    <xs:enumeration value="Call Return"/>
    <xs:enumeration value="Call Transfer"/>
    <xs:enumeration value="Call Waiting"/>
    <xs:enumeration value="Calling Line ID Blocking Override"/>
    <xs:enumeration value="Calling Line ID Delivery Blocking"/>
    .
    .
    <xs:enumeration value="Speed Dial 100"/>
    <xs:enumeration value="Speed Dial 8"/>
    <xs:enumeration value="Third-Party MWI Control"/>
    <xs:enumeration value="Third-Party Voice Mail Support"/>
    <xs:enumeration value="Three-Way Call"/>
    <xs:enumeration value="Two-Stage Dialing"/>
    <xs:enumeration value="Video Add-On"/>
    <xs:enumeration value="Virtual On-Net Enterprise Extensions"/>
    <xs:enumeration value="Voice Messaging User"/>
    <xs:enumeration value="Voice Messaging User - Video"/>
    <xs:enumeration value="Voice Portal Calling"/>
    <xs:enumeration value="Zone Calling Restrictions"/>
  </xs:restriction>
</xs:simpleType>
```

3.5.2.2 CommunicationBarringCallMeNowAction

XML Schema file: OCISchemaDataTypes.xsd

```
<xs:simpleType name="CommunicationBarringCallMeNowAction">
  <xs:annotation>
    <xs:documentation>
      Possible Call Me Now actions for Communication Barring.
    </xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:token">
    <xs:enumeration value="Allow"/>
    <xs:enumeration value="Allow Timed"/>
    <xs:enumeration value="Block"/>
  </xs:restriction>
</xs:simpleType>
```

3.5.2.3 CommunicationBarringCallMeNowRule

XML Schema file: OCISchemaDataTypes.xsd

```
<xs:complexType name="CommunicationBarringCallMeNowRule">
  <xs:annotation>
    <xs:documentation>
      Communication Barring Call Me Now Rule
    </xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="criteria" type="CommunicationBarringCriteriaName"/>
    <xs:element name="action" type="CommunicationBarringCallMeNowAction"/>
    <xs:element name="callTimeoutSeconds"
type="CommunicationBarringTimeoutSeconds" minOccurs="0" nillable="true"/>
  </xs:sequence>
</xs:complexType>
```

3.5.2.4 ReplacementCommunicationBarringCallMeNowRuleList

XML Schema file: OCISchemaDataTypes.xsd

```
<xs:complexType name="ReplacementCommunicationBarringCallMeNowRuleList">
  <xs:annotation>
    <xs:documentation>
      A list of Communication Barring CallMeNow Rules that replaces a
      previously configured list. By convention, an element of this type
      may be set null to clear the list.
    </xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="rule" type="CommunicationBarringCallMeNowRule"
minOccurs="1" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

3.5.2.5 ServiceProviderCommunicationBarringHierarchicalCallMeNowRule

XML Schema file: OCISchemaDataTypes.xsd

```
<xs:complexType
name="ServiceProviderCommunicationBarringHierarchicalCallMeNowRule">
  <xs:annotation>
    <xs:documentation>
      Service Provider Communication Barring Hierarchical Call Me Now Rule
    </xs:documentation>
```

```

</xs:annotation>
<xs:sequence>
  <xs:choice>
    <xs:element name="criteria" type="CommunicationBarringCriteriaName"/>
    <xs:element name="digitPatternCriteria" type="DigitPatternCriteriaName"/>
  </xs:choice>
  <xs:element name="action" type="CommunicationBarringCallMeNowAction"/>
  <xs:element name="callTimeoutSeconds"
type="CommunicationBarringTimeoutSeconds" minOccurs="0"/>
  <xs:element name="timeSchedule" type="ScheduleName" minOccurs="0"/>
  <xs:element name="holidaySchedule" type="ScheduleName" minOccurs="0"/>
  <xs:element name="priority" type="CommunicationBarringCriteriaPriority"/>
</xs:sequence>
</xs:complexType>

```

3.5.2.6 ServiceProviderReplacementCommunicationBarringHierarchicalCallMeNowRuleList

XML Schema file: OCISchemaDataTypes.xsd

```

<xs:complexType
name="ServiceProviderReplacementCommunicationBarringHierarchicalCallMeNowRuleList">
  <xs:annotation>
    <xs:documentation>
      A list of Service Provider Communication Barring Hierarchical Call Me Now
      Rules that replaces a previously configured list. By convention, an element of this
      type
      may be set null to clear the list.
    </xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="rule"
type="ServiceProviderCommunicationBarringHierarchicalCallMeNowRule" minOccurs="1"
maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>

```

3.5.2.7 OutgoingCallingPlanCallMeNowDepartmentPermissions

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```

<xs:complexType name="OutgoingCallingPlanCallMeNowDepartmentPermissions">
  <xs:annotation>
    <xs:documentation>
      Outgoing Calling Plan for Call Me Now call permissions for a department.
    </xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="departmentKey" type="DepartmentKey"/>
    <xs:element name="departmentName" type="DepartmentFullPathName"/>
    <xs:element name="permissions"
type="OutgoingCallingPlanCallMeNowPermissions"/>
  </xs:sequence>
</xs:complexType>

```

3.5.2.8 OutgoingCallingPlanCallMeNowDepartmentPermissionsModify

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```

<xs:complexType name="OutgoingCallingPlanCallMeNowDepartmentPermissionsModify">
  <xs:annotation>
    <xs:documentation>
      Modify outgoing Calling Plan for Call Me Now call permissions for a
      department.
    </xs:documentation>
  </xs:annotation>

```

```

<xs:sequence>
  <xs:element name="departmentKey" type="DepartmentKey"/>
  <xs:element name="permissions"
type="OutgoingCallingPlanCallMeNowPermissionsModify"/>
</xs:sequence>
</xs:complexType>

```

3.5.2.9 OutgoingCallingPlanCallMeNowPermissions

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```

<xs:complexType name="OutgoingCallingPlanCallMeNowPermissions">
  <xs:annotation>
    <xs:documentation>
      Outgoing Calling Plan for Call Me Now call permissions.
    </xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="group" type="xs:boolean"/>
    <xs:element name="local" type="xs:boolean"/>
    <xs:element name="tollFree" type="xs:boolean"/>
    <xs:element name="toll" type="xs:boolean"/>
    <xs:element name="international" type="xs:boolean"/>
    <xs:element name="operatorAssisted" type="xs:boolean"/>
    <xs:element name="chargeableDirectoryAssisted" type="xs:boolean"/>
    <xs:element name="specialServicesI" type="xs:boolean"/>
    <xs:element name="specialServicesII" type="xs:boolean"/>
    <xs:element name="premiumServicesI" type="xs:boolean"/>
    <xs:element name="premiumServicesII" type="xs:boolean"/>
    <xs:element name="casual" type="xs:boolean"/>
    <xs:element name="urlDialing" type="xs:boolean"/>
    <xs:element name="unknown" type="xs:boolean"/>
  </xs:sequence>
</xs:complexType>

```

3.5.2.10 OutgoingCallingPlanCallMeNowPermissionsModify

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```

<xs:complexType name="OutgoingCallingPlanCallMeNowPermissionsModify">
  <xs:annotation>
    <xs:documentation>
      Modify outgoing Calling Plan for Call Me Now call permissions.
    </xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="group" type="xs:boolean" minOccurs="0"/>
    <xs:element name="local" type="xs:boolean" minOccurs="0"/>
    <xs:element name="tollFree" type="xs:boolean" minOccurs="0"/>
    <xs:element name="toll" type="xs:boolean" minOccurs="0"/>
    <xs:element name="international" type="xs:boolean" minOccurs="0"/>
    <xs:element name="operatorAssisted" type="xs:boolean" minOccurs="0"/>
    <xs:element name="chargeableDirectoryAssisted" type="xs:boolean"
minOccurs="0"/>
    <xs:element name="specialServicesI" type="xs:boolean" minOccurs="0"/>
    <xs:element name="specialServicesII" type="xs:boolean" minOccurs="0"/>
    <xs:element name="premiumServicesI" type="xs:boolean" minOccurs="0"/>
    <xs:element name="premiumServicesII" type="xs:boolean" minOccurs="0"/>
    <xs:element name="casual" type="xs:boolean" minOccurs="0"/>
    <xs:element name="urlDialing" type="xs:boolean" minOccurs="0"/>
    <xs:element name="unknown" type="xs:boolean" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

3.5.2.11 OutgoingCallingPlanDigitPatternCallMeNowDepartmentPermissions

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```
<xs:complexType
name="OutgoingCallingPlanDigitPatternCallMeNowDepartmentPermissions">
  <xs:annotation>
    <xs:documentation>
      Outgoing Calling Plan Call Me Now call permissions for specified digit
      patterns.
    </xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="departmentKey" type="DepartmentKey"/>
    <xs:element name="departmentName" type="DepartmentFullPathName"/>
    <xs:element name="digitPatternPermissions"
type="OutgoingCallingPlanDigitPatternCallMeNowPermissions"/>
  </xs:sequence>
</xs:complexType>
```

3.5.2.12 OutgoingCallingPlanDigitPatternCallMeNowDepartmentPermissionsModify

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```
<xs:complexType
name="OutgoingCallingPlanDigitPatternCallMeNowDepartmentPermissionsModify">
  <xs:annotation>
    <xs:documentation>
      Modify outgoing Calling Plan Call Me Now call permissions for specified
      digit patterns.
    </xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="departmentKey" type="DepartmentKey"/>
    <xs:element name="digitPatternPermissions"
type="OutgoingCallingPlanDigitPatternCallMeNowPermissions"/>
  </xs:sequence>
</xs:complexType>
```

3.5.2.13 OutgoingCallingPlanDigitPatternCallMeNowPermission

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```
<xs:complexType name="OutgoingCallingPlanDigitPatternCallMeNowPermission">
  <xs:annotation>
    <xs:documentation>
      Indicates whether Call Me Now calls using specified digit patterns are
      permitted.
    </xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="digitPatternName" type="CallingPlanDigitPatternName"/>
    <xs:element name="permission" type="xs:boolean"/>
  </xs:sequence>
</xs:complexType>
```

3.5.2.14 OutgoingCallingPlanDigitPatternCallMeNowPermissions

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```
<xs:complexType name="OutgoingCallingPlanDigitPatternCallMeNowPermissions">
  <xs:annotation>
    <xs:documentation>
      Outgoing Calling Plan Call Me Now call permissions for specified digit
      patterns.
    </xs:documentation>
  </xs:annotation>
  </xs:complexType>
```

```
</xs:documentation>
</xs:annotation>
<xs:sequence>
  <xs:element name="digitPatternPermissions"
type="OutgoingCallingPlanDigitPatternCallMeNowPermission" minOccurs="1"
maxOccurs="unbounded"/>
</xs:sequence>
</xs:complexType>
```

3.5.2.15 OutgoingPinholeDigitPlanDigitPatternCallMeNowPermissions

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```
<xs:complexType
name="OutgoingPinholeDigitPlanDigitPatternCallMeNowPermissions">
  <xs:annotation>
    <xs:documentation>
      Outgoing Pinhole Digit Plan Call Me Now call permissions for specified
      digit patterns.
    </xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="digitPatternPermissions"
type="OutgoingPinholeDigitPlanDigitPatternCallMeNowPermission" minOccurs="1"
maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

3.5.2.16 OutgoingPinholeDigitPlanDigitPatternCallMeNowDepartmentPermissions

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```
<xs:complexType
name="OutgoingPinholeDigitPlanDigitPatternCallMeNowDepartmentPermissions">
  <xs:annotation>
    <xs:documentation>
      Outgoing Pinhole Digit Plan Call Me Now call permissions for a department.
    </xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="departmentKey" type="DepartmentKey"/>
    <xs:element name="departmentName" type="DepartmentFullPathName"/>
    <xs:element name="permissions"
type="OutgoingPinholeDigitPlanDigitPatternCallMeNowPermissions"/>
  </xs:sequence>
</xs:complexType>
```

3.5.2.17 OutgoingPinholeDigitPlanDigitPatternCallMeNowDepartmentPermissionsModify

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```
<xs:complexType
name="OutgoingPinholeDigitPlanDigitPatternCallMeNowDepartmentPermissionsModify">
  <xs:annotation>
    <xs:documentation>
      Modify Outgoing Pinhole Digit Plan Call Me Now call permissions for
      specified digit patterns.
    </xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="departmentKey" type="DepartmentKey"/>
    <xs:element name="digitPatternPermissions"
type="OutgoingPinholeDigitPlanDigitPatternCallMeNowPermissions"/>
  </xs:sequence>
</xs:complexType>
```

3.5.2.18 OutgoingPinholeDigitPlanCallMeNowPermission

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```
<xs:simpleType name="OutgoingPinholeDigitPlanCallMeNowPermission">
  <xs:annotation>
    <xs:documentation>
      Permission choices for Pinhole digit patterns on Call Me Now calls.
    </xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:token">
    <xs:enumeration value="Ignore"/>
    <xs:enumeration value="Allow"/>
  </xs:restriction>
</xs:simpleType>
```

3.5.2.19 OutgoingPinholeDigitPlanDigitPatternCallMeNowPermission

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```
<xs:complexType name="OutgoingPinholeDigitPlanDigitPatternCallMeNowPermission">
  <xs:annotation>
    <xs:documentation>
      Indicates whether Call Me Now calls using specified Pinhole digit patterns
      are permitted.
    </xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="digitPatternName" type="CallingPlanDigitPatternName"/>
    <xs:element name="permission"
      type="OutgoingPinholeDigitPlanCallMeNowPermission"/>
  </xs:sequence>
</xs:complexType>
```

3.5.2.20 CallMeNowAnswerConfirmation

XML Schema file: OCISchemaServiceCallMeNow.xsd

```
<xs:simpleType name="CallMeNowAnswerConfirmation">
  <xs:annotation>
    <xs:documentation>
      Possible type of answer confirmation for Call Me Now.
    </xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:token">
    <xs:enumeration value="None"/>
    <xs:enumeration value="Any Key"/>
    <xs:enumeration value="Passcode"/>
  </xs:restriction>
</xs:simpleType>
```

3.5.2.21 CallMeNowPasscodeTimeoutSeconds

XML Schema file: OCISchemaServiceCallMeNow.xsd

```
<xs:simpleType name="CallMeNowPasscodeTimeoutSeconds">
  <xs:annotation>
    <xs:documentation>
      Timeout in seconds for call me now passcode validation.
    </xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:int">
    <xs:minInclusive value="30"/>
  </xs:restriction>
</xs:simpleType>
```

```
<xs:maxInclusive value="180"/>
</xs:restriction>
</xs:simpleType> >
```

3.5.2.22 CallMeNowPasscodeLength

XML Schema file: OCISchemaServiceCallMeNow.xsd

```
<xs:simpleType name="CallMeNowPasscodeLength">
  <xs:annotation>
    <xs:documentation>
      Number of characters in Call Me Now passcode.
    </xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:int">
    <xs:minInclusive value="2"/>
    <xs:maxInclusive value="30"/>
  </xs:restriction>
</xs:simpleType>
```

3.5.2.23 CallMeNowToDnCriteria

XML Schema file: OCISchemaServiceCallMeNow.xsd

```
<xs:complexType name="CallMeNowToDnCriteria">
  <xs:annotation>
    <xs:documentation>
      The To dn criteria used on the call me now external number.
    </xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="toDnCriteriaSelection" type="CriteriaDnSelection"/>
    <xs:element name="phoneNumber" type="DN" minOccurs="0" maxOccurs="12"/>
  </xs:sequence>
</xs:complexType>
```

3.5.2.24 CallMeNowToDnCriteriaModify

XML Schema file: OCISchemaServiceCallMeNow.xsd

```
<xs:complexType name="CallMeNowToDnCriteriaModify">
  <xs:annotation>
    <xs:documentation>
      The To dn criteria used on the call me now external number to be modified.
    </xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="toDnCriteriaSelection" type="CriteriaDnSelection"
      minOccurs="0"/>
    <xs:element name="phoneNumberList" type="CriteriaReplacementDNList"
      nillable="true" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

3.5.2.25 CriteriaDnSelection (renamed from existing CriteriaFromDnSelection)

XML Schema file: OCISchemaDataTypes.xsd

```
<xs:simpleType name="CriteriaFromDnSelection">
  <xs:annotation>
    <xs:documentation>
      Selection criteria for a from dn.
    </xs:documentation>
  </xs:annotation>
```



```

</xs:annotation>
<xs:restriction base="xs:token">
  <xs:enumeration value="Any"/>
  <xs:enumeration value="Specified Only"/>
</xs:restriction>
</xs:simpleType>

```

3.5.2.26 SystemCommunicationBarringProfileAddRequest17sp3

Authorization level: System

XML Schema file: OCISchemaSystem.xsd

```

<xs:complexType name="SystemCommunicationBarringProfileAddRequest17sp3">
  <xs:annotation>
    <xs:documentation>
      Add a new Communication Barring Profile.
      The priorities for IncomingRules are requantized to consecutive integers as
      part of the add.
      The response is either a SuccessResponse or an ErrorResponse.
      The following elements are only used in AS data mode:
        callMeNowDefaultAction, use value "Block" in HSS data mode
        callMeNowDefaultCallTimeout
        callMeNowRule
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="name" type="CommunicationBarringProfileName"/>
        <xs:element name="description"
          type="CommunicationBarringProfileDescription" minOccurs="0"/>
        <xs:element name="originatingDefaultAction"
          type="CommunicationBarringOriginatingAction"/>
        <xs:element name="originatingDefaultTreatmentId" type="TreatmentId"
          minOccurs="0"/>
        <xs:element name="originatingDefaultTransferNumber" type="OutgoingDN"
          minOccurs="0"/>
        <xs:element name="originatingDefaultCallTimeout"
          type="CommunicationBarringTimeoutSeconds" minOccurs="0"/>
        <xs:element name="originatingRule"
          type="CommunicationBarringOriginatingRule" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="redirectingDefaultAction"
          type="CommunicationBarringRedirectingAction"/>
        <xs:element name="redirectingDefaultCallTimeout"
          type="CommunicationBarringTimeoutSeconds" minOccurs="0"/>
        <xs:element name="redirectingRule"
          type="CommunicationBarringRedirectingRule" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="incomingDefaultAction"
          type="CommunicationBarringIncomingAction"/>
        <xs:element name="incomingDefaultCallTimeout"
          type="CommunicationBarringTimeoutSeconds" minOccurs="0"/>
        <xs:element name="incomingRule" type="CommunicationBarringIncomingRule"
          minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="callMeNowDefaultAction"
          type="CommunicationBarringCallMeNowAction"/>
        <xs:element name="callMeNowDefaultCallTimeout"
          type="CommunicationBarringTimeoutSeconds" minOccurs="0"/>
        <xs:element name="callMeNowRule" type="CommunicationBarringCallMeNowRule"
          minOccurs="0" maxOccurs="unbounded"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

3.5.2.27 SystemCommunicationBarringProfileModifyRequest

Authorization level: System

XML Schema file: OCISchemaSystem.xsd

```

<xs:complexType name="SystemCommunicationBarringProfileModifyRequest">
  <xs:annotation>
    <xs:documentation>
      Modify an existing Communication Barring Profile.
      When the originatingDefaultAction is not Treatment,
      originatingDefaultTreatmentId
      will be automatically cleared. Also when the action of originatingRule is
      not Treatment,
      treatmentId will be automatically cleared for the rule.
      The priorities for IncomingRules are requantized to consecutive integers as
      part of the modify.
      The response is either a SuccessResponse or an ErrorResponse.
      The following elements are only used in AS data mode:
        callMeNowDefaultAction
        callMeNowDefaultCallTimeout
        callMeNowRule
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="name" type="CommunicationBarringProfileName"/>
        <xs:element name="newName" type="CommunicationBarringProfileName"
minOccurs="0"/>
        <xs:element name="description"
type="CommunicationBarringProfileDescription" minOccurs="0" nillable="true"/>
        <xs:element name="originatingDefaultAction"
type="CommunicationBarringOriginatingAction" minOccurs="0"/>
        <xs:element name="originatingDefaultTreatmentId" type="TreatmentId"
minOccurs="0" nillable="true"/>
        <xs:element name="originatingDefaultTransferNumber" type="OutgoingDN"
minOccurs="0" nillable="true"/>
        <xs:element name="originatingDefaultCallTimeout"
type="CommunicationBarringTimeoutSeconds" minOccurs="0" nillable="true"/>
        <xs:element name="originatingRule"
type="ReplacementCommunicationBarringOriginatingRuleList" minOccurs="0"
nillable="true"/>
        <xs:element name="redirectingDefaultAction"
type="CommunicationBarringRedirectingAction" minOccurs="0"/>
        <xs:element name="redirectingDefaultCallTimeout"
type="CommunicationBarringTimeoutSeconds" minOccurs="0" nillable="true"/>
        <xs:element name="redirectingRule"
type="ReplacementCommunicationBarringRedirectingRuleList" minOccurs="0"
nillable="true"/>
        <xs:element name="incomingDefaultAction"
type="CommunicationBarringIncomingAction" minOccurs="0"/>
        <xs:element name="incomingDefaultCallTimeout"
type="CommunicationBarringTimeoutSeconds" minOccurs="0" nillable="true"/>
        <xs:element name="incomingRule"
type="ReplacementCommunicationBarringIncomingRuleList" minOccurs="0"
nillable="true"/>
        <xs:element name="callMeNowDefaultAction"
type="CommunicationBarringCallMeNowAction" minOccurs="0"/>
        <xs:element name="callMeNowDefaultCallTimeout"
type="CommunicationBarringTimeoutSeconds" minOccurs="0" nillable="true"/>
        <xs:element name="callMeNowRule"
type="ReplacementCommunicationBarringCallMeNowRuleList" minOccurs="0"
nillable="true"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

3.5.2.28 SystemCommunicationBarringProfileGetRequest17sp3

Authorization level: System

XML Schema file: OCISchemaSystem.xsd

```

<xs:complexType name="SystemCommunicationBarringProfileGetRequest17sp3">
  <xs:annotation>
    <xs:documentation>
      Get an existing Communication Barring Profile.
      The response is either a SystemCommunicationBarringProfileGetResponse17sp3
      or an ErrorResponse.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="name" type="CommunicationBarringProfileName"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

<xs:complexType name="SystemCommunicationBarringProfileGetResponse17sp3">
  <xs:annotation>
    <xs:documentation>
      Response to the SystemCommunicationBarringProfileGetRequest17sp3.
      The response contains the Communication Barring Profile information.
      The incoming rules are returned in ascending priority order.
      The following elements are only used in AS data mode:
      callMeNowDefaultAction
      callMeNowDefaultCallTimeout
      callMeNowRule
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIDataResponse">
      <xs:sequence>
        <xs:element name="description"
type="CommunicationBarringProfileDescription" minOccurs="0"/>
        <xs:element name="originatingDefaultAction"
type="CommunicationBarringOriginatingAction"/>
        <xs:element name="originatingDefaultTreatmentId" type="TreatmentId"
minOccurs="0"/>
        <xs:element name="originatingDefaultTransferNumber" type="OutgoingDN"
minOccurs="0"/>
        <xs:element name="originatingDefaultCallTimeout"
type="CommunicationBarringTimeoutSeconds" minOccurs="0"/>
        <xs:element name="originatingRule"
type="CommunicationBarringOriginatingRule" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="redirectingDefaultAction"
type="CommunicationBarringRedirectingAction"/>
        <xs:element name="redirectingDefaultCallTimeout"
type="CommunicationBarringTimeoutSeconds" minOccurs="0"/>
        <xs:element name="redirectingRule"
type="CommunicationBarringRedirectingRule" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="incomingDefaultAction"
type="CommunicationBarringIncomingAction"/>
        <xs:element name="incomingDefaultCallTimeout"
type="CommunicationBarringTimeoutSeconds" minOccurs="0"/>
        <xs:element name="incomingRule" type="CommunicationBarringIncomingRule"
minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="callMeNowDefaultAction"
type="CommunicationBarringCallMeNowAction"/>
        <xs:element name="callMeNowDefaultCallTimeout"
type="CommunicationBarringTimeoutSeconds" minOccurs="0"/>
        <xs:element name="callMeNowRule" type="CommunicationBarringCallMeNowRule"
minOccurs="0" maxOccurs="unbounded"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

```
</xs:complexContent>
</xs:complexType>
```

3.5.2.29 ServiceProviderCommunicationBarringProfileAddRequest17sp3

Authorization level: Service Provider

XML Schema file: OCISchemaServiceProvider.xsd

```
<xs:complexType name="ServiceProviderCommunicationBarringProfileAddRequest17sp3">
  <xs:annotation>
    <xs:documentation>
      Add a new Communication Barring Profile.
      The priorities for OriginatingRules, RedirectingRules, CallMeNowRules and
      IncomingRules are requantized to consecutive integers as part of the add.
      The response is either a SuccessResponse or an ErrorResponse.
      The following elements are only used in AS data mode:
        callMeNowDefaultAction, use value "Block" in HSS data mode
        callMeNowDefaultCallTimeout
        callMeNowRule
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="serviceProviderId" type="ServiceProviderId"/>
        <xs:element name="name" type="CommunicationBarringProfileName"/>
        <xs:element name="description"
          type="CommunicationBarringProfileDescription" minOccurs="0"/>
        <xs:element name="originatingDefaultAction"
          type="CommunicationBarringOriginatingAction"/>
        <xs:element name="originatingDefaultTreatmentId" type="TreatmentId"
          minOccurs="0"/>
        <xs:element name="originatingDefaultTransferNumber" type="OutgoingDN"
          minOccurs="0"/>
        <xs:element name="originatingDefaultCallTimeout"
          type="CommunicationBarringTimeoutSeconds" minOccurs="0"/>
        <xs:element name="originatingRule"
          type="ServiceProviderCommunicationBarringHierarchicalOriginatingRule" minOccurs="0"
          maxOccurs="unbounded"/>
        <xs:element name="redirectingDefaultAction"
          type="CommunicationBarringRedirectingAction"/>
        <xs:element name="redirectingDefaultCallTimeout"
          type="CommunicationBarringTimeoutSeconds" minOccurs="0"/>
        <xs:element name="redirectingRule"
          type="ServiceProviderCommunicationBarringHierarchicalRedirectingRule" minOccurs="0"
          maxOccurs="unbounded"/>
        <xs:element name="callMeNowDefaultAction"
          type="CommunicationBarringCallMeNowAction"/>
        <xs:element name="callMeNowDefaultCallTimeout"
          type="CommunicationBarringTimeoutSeconds" minOccurs="0"/>
        <xs:element name="callMeNowRule"
          type="ServiceProviderCommunicationBarringHierarchicalCallMeNowRule" minOccurs="0"
          maxOccurs="unbounded"/>
        <xs:element name="incomingDefaultAction"
          type="CommunicationBarringIncomingAction"/>
        <xs:element name="incomingDefaultCallTimeout"
          type="CommunicationBarringTimeoutSeconds" minOccurs="0"/>
        <xs:element name="incomingRule" type="CommunicationBarringIncomingRule"
          minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="becomeDefault" type="xs:boolean"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

3.5.2.30 ServiceProviderCommunicationBarringProfileGetRequest17sp3

Authorization level: Service Provider

XML Schema file: OCISchemaServiceProvider.xsd

```

<xs:complexType name="ServiceProviderCommunicationBarringProfileGetRequest17sp3">
  <xs:annotation>
    <xs:documentation>
      Get an existing Communication Barring Profile.
      The response is either a
      ServiceProviderCommunicationBarringProfileGetResponse17sp3
      or an ErrorResponse.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="serviceProviderId" type="ServiceProviderId"/>
        <xs:element name="name" type="CommunicationBarringProfileName"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

<xs:complexType
name="ServiceProviderCommunicationBarringProfileGetResponse17sp3">
  <xs:annotation>
    <xs:documentation>
      Response to the ServiceProviderCommunicationBarringProfileGetRequest17sp3.
      The response contains the Communication Barring Profile information.
      The incoming, originating, redirecting and call me now rules are returned
      in ascending priority order.
      The following elements are only used in AS data mode:
      callMeNowDefaultAction
      callMeNowDefaultCallTimeout
      callMeNowRule
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIDataResponse">
      <xs:sequence>
        <xs:element name="description"
type="CommunicationBarringProfileDescription" minOccurs="0"/>
        <xs:element name="originatingDefaultAction"
type="CommunicationBarringOriginatingAction"/>
        <xs:element name="originatingDefaultTreatmentId" type="TreatmentId"
minOccurs="0"/>
        <xs:element name="originatingDefaultTransferNumber" type="OutgoingDN"
minOccurs="0"/>
        <xs:element name="originatingDefaultCallTimeout"
type="CommunicationBarringTimeoutSeconds" minOccurs="0"/>
        <xs:element name="originatingRule"
type="ServiceProviderCommunicationBarringHierarchicalOriginatingRule" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="redirectingDefaultAction"
type="CommunicationBarringRedirectingAction"/>
        <xs:element name="redirectingDefaultCallTimeout"
type="CommunicationBarringTimeoutSeconds" minOccurs="0"/>
        <xs:element name="redirectingRule"
type="ServiceProviderCommunicationBarringHierarchicalRedirectingRule" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="callMeNowDefaultAction"
type="CommunicationBarringCallMeNowAction"/>
        <xs:element name="callMeNowDefaultCallTimeout"
type="CommunicationBarringTimeoutSeconds" minOccurs="0"/>
        <xs:element name="callMeNowRule"
type="ServiceProviderCommunicationBarringHierarchicalCallMeNowRule" minOccurs="0"
maxOccurs="unbounded"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

```

    <xs:element name="incomingDefaultAction"
type="CommunicationBarringIncomingAction"/>
    <xs:element name="incomingDefaultCallTimeout"
type="CommunicationBarringTimeoutSeconds" minOccurs="0"/>
    <xs:element name="incomingRule" type="CommunicationBarringIncomingRule"
minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="isDefault" type="xs:boolean"/>
  </xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

3.5.2.31 ServiceProviderCommunicationBarringProfileModifyRequest

Authorization level: Service Provider

XML Schema file: OCISchemaServiceProvider.xsd

```

<xs:complexType name="ServiceProviderCommunicationBarringProfileModifyRequest">
  <xs:annotation>
    <xs:documentation>
      Modify an existing Communication Barring Profile.
      The priorities for OriginatingRules, RedirectingRules, CallMeNowRules and
      IncomingRules are requantized to consecutive integers as part of the modify.
      The response is either a SuccessResponse or an ErrorResponse.
      The following elements are only used in AS data mode:
      callMeNowDefaultAction
      callMeNowDefaultCallTimeout
      callMeNowRule
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="serviceProviderId" type="ServiceProviderId"/>
        <xs:element name="name" type="CommunicationBarringProfileName"/>
        <xs:element name="newName" type="CommunicationBarringProfileName"
minOccurs="0"/>
        <xs:element name="description"
type="CommunicationBarringProfileDescription" minOccurs="0" nillable="true"/>
        <xs:element name="originatingDefaultAction"
type="CommunicationBarringOriginatingAction" minOccurs="0"/>
        <xs:element name="originatingDefaultTreatmentId" type="TreatmentId"
minOccurs="0" nillable="true"/>
        <xs:element name="originatingDefaultTransferNumber" type="OutgoingDN"
minOccurs="0" nillable="true"/>
        <xs:element name="originatingDefaultCallTimeout"
type="CommunicationBarringTimeoutSeconds" minOccurs="0" nillable="true"/>
        <xs:element name="originatingRule"
type="ServiceProviderReplacementCommunicationBarringOriginatingRuleList"
minOccurs="0" nillable="true"/>
        <xs:element name="redirectingDefaultAction"
type="CommunicationBarringRedirectingAction" minOccurs="0"/>
        <xs:element name="redirectingDefaultCallTimeout"
type="CommunicationBarringTimeoutSeconds" minOccurs="0" nillable="true"/>
        <xs:element name="redirectingRule"
type="ServiceProviderReplacementCommunicationBarringRedirectingRuleList"
minOccurs="0" nillable="true"/>
        <xs:element name="callMeNowDefaultAction"
type="CommunicationBarringCallMeNowAction" minOccurs="0"/>
        <xs:element name="callMeNowDefaultCallTimeout"
type="CommunicationBarringTimeoutSeconds" minOccurs="0" nillable="true"/>
        <xs:element name="callMeNowRule"
type="ServiceProviderReplacementCommunicationBarringHierarchicalCallMeNowRuleList"
minOccurs="0" nillable="true"/>
        <xs:element name="incomingDefaultAction"
type="CommunicationBarringIncomingAction" minOccurs="0"/>

```

```

    <xs:element name="incomingDefaultCallTimeout"
      type="CommunicationBarringTimeoutSeconds" minOccurs="0" nillable="true"/>
    <xs:element name="incomingRule"
      type="ReplacementCommunicationBarringIncomingRuleList" minOccurs="0"
      nillable="true"/>
    <xs:element name="becomeDefault" type="xs:boolean" minOccurs="0"/>
  </xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

3.5.2.32 GroupOutgoingCallingPlanCallMeNowGetListRequest

Authorization level: Group

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```

<xs:complexType name="GroupOutgoingCallingPlanCallMeNowGetListRequest">
  <xs:annotation>
    <xs:documentation>
      Request the Call Me Now call permissions for a group default and it's
      departments.
      The response is either a GroupOutgoingCallingPlanCallMeNowGetListResponse
      or an ErrorResponse.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="serviceProviderId" type="ServiceProviderId"/>
        <xs:element name="groupId" type="GroupId"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

<xs:complexType name="GroupOutgoingCallingPlanCallMeNowGetListResponse">
  <xs:annotation>
    <xs:documentation>
      Response to GroupOutgoingCallingPlanCallMeNowGetListRequest.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIDataResponse">
      <xs:sequence>
        <xs:element name="groupPermissions"
          type="OutgoingCallingPlanCallMeNowPermissions"/>
        <xs:element name="departmentPermissions"
          type="OutgoingCallingPlanCallMeNowDepartmentPermissions" minOccurs="0"
          maxOccurs="unbounded"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

3.5.2.33 GroupOutgoingCallingPlanCallMeNowModifyListRequest

Authorization level: Group

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```

<xs:complexType name="GroupOutgoingCallingPlanCallMeNowModifyListRequest">
  <xs:annotation>
    <xs:documentation>
      Modify the Call Me Now call permissions for a group default and it's
      departments.
      The response is either a SuccessResponse or an ErrorResponse.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="serviceProviderId" type="ServiceProviderId"/>
        <xs:element name="groupId" type="GroupId"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```



```

    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="serviceProviderId" type="ServiceProviderId"/>
        <xs:element name="groupId" type="GroupId"/>
        <xs:element name="groupPermissions"
type="OutgoingCallingPlanCallMeNowPermissionsModify" minOccurs="0"/>
        <xs:element name="departmentPermissions"
type="OutgoingCallingPlanCallMeNowDepartmentPermissionsModify" minOccurs="0"
maxOccurs="unbounded"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

3.5.2.34 GroupOutgoingCallingPlanDigitPlanCallMeNowGetListRequest

Authorization level: Group

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```

<xs:complexType name="GroupOutgoingCallingPlanDigitPlanCallMeNowGetListRequest">
  <xs:annotation>
    <xs:documentation>
      Request the Call Ne Now call permissions for digit patterns for a group
      default and it's departments.
      The response is either a
      GroupOutgoingCallingPlanDigitPlanCallMeNowGetListResponse or an ErrorResponse.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="serviceProviderId" type="ServiceProviderId"/>
        <xs:element name="groupId" type="GroupId"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

<xs:complexType name="GroupOutgoingCallingPlanDigitPlanCallMeNowGetListResponse">
  <xs:annotation>
    <xs:documentation>
      Response to GroupOutgoingCallingPlanDigitPlanCallMeNowGetListRequest.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIDataResponse">
      <xs:sequence>
        <xs:element name="groupPermissions"
type="OutgoingCallingPlanDigitPatternCallMeNowPermissions" minOccurs="0"/>
        <xs:element name="departmentPermissions"
type="OutgoingCallingPlanDigitPatternCallMeNowDepartmentPermissions" minOccurs="0"
maxOccurs="unbounded"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```


3.5.2.35 GroupOutgoingCallingPlanDigitPlanCallMeNowModifyListRequest

Authorization level: Group

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```

<xs:complexType
name="GroupOutgoingCallingPlanDigitPlanCallMeNowModifyListRequest">
  <xs:annotation>
    <xs:documentation>
      Modify the Call Me Now call permissions for digit patterns for a group
      default and it's departments.
      The response is either a SuccessResponse or an ErrorResponse.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="serviceProviderId" type="ServiceProviderId"/>
        <xs:element name="groupId" type="GroupId"/>
        <xs:element name="groupPermissions"
type="OutgoingCallingPlanDigitPatternCallMeNowPermissions" minOccurs="0"/>
        <xs:element name="departmentPermissions"
type="OutgoingCallingPlanDigitPatternCallMeNowDepartmentPermissionsModify"
minOccurs="0" maxOccurs="unbounded"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

3.5.2.36 GroupOutgoingCallingPlanPinholeDigitPlanCallMeNowGetListRequest

Authorization level: Group

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```

<xs:complexType
name="GroupOutgoingCallingPlanPinholeDigitPlanCallMeNowGetListRequest">
  <xs:annotation>
    <xs:documentation>
      Request the Call Me Now permissions for Pinhole digit patterns for a group
      default and its departments.
      The response is either a
      GroupOutgoingCallingPlanPinholeDigitPlanCallMeNowGetListResponse or an
      ErrorResponse.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="serviceProviderId" type="ServiceProviderId"/>
        <xs:element name="groupId" type="GroupId"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

<xs:complexType
name="GroupOutgoingCallingPlanPinholeDigitPlanCallMeNowGetListResponse">
  <xs:annotation>
    <xs:documentation>
      Response to
      GroupOutgoingCallingPlanPinholeDigitPlanCallMeNowGetListRequest.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIDataResponse">

```

```

    <xs:sequence>
      <xs:element name="groupPermissions"
type="OutgoingPinholeDigitPlanDigitPatternCallMeNowPermissions" minOccurs="0"/>
      <xs:element name="departmentPermissions"
type="OutgoingPinholeDigitPlanDigitPatternCallMeNowDepartmentPermissions"
minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:extension>
</xs:complexContent>
</xs:complexType>

```

3.5.2.37 GroupOutgoingCallingPlanPinholeDigitPlanCallMeNowModifyListRequest

Authorization level: Group

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```

<xs:complexType
name="GroupOutgoingCallingPlanPinholeDigitPlanCallMeNowModifyListRequest">
  <xs:annotation>
    <xs:documentation>
      Modify the Call Me Now permissions for Pinhole digit patterns for a group
      default and its departments.
      The response is either a SuccessResponse or an ErrorResponse.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="serviceProviderId" type="ServiceProviderId"/>
        <xs:element name="groupId" type="GroupId"/>
        <xs:element name="groupPermissions"
type="OutgoingPinholeDigitPlanDigitPatternCallMeNowPermissions" minOccurs="0"/>
        <xs:element name="departmentPermissions"
type="OutgoingPinholeDigitPlanDigitPatternCallMeNowDepartmentPermissionsModify"
minOccurs="0" maxOccurs="unbounded"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

3.5.2.38 UserOutgoingCallingPlanCallMeNowGetRequest

Authorization level: User

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```

<xs:complexType name="UserOutgoingCallingPlanCallMeNowGetRequest">
  <xs:annotation>
    <xs:documentation>
      Request the Call Me Now call permissions for a user.
      The response is either a UserOutgoingCallingPlanCallMeNowGetResponse or an
      ErrorResponse.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="userId" type="UserId"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

<xs:complexType name="UserOutgoingCallingPlanCallMeNowGetResponse">
  <xs:annotation>
    <xs:documentation>

```

```

        Response to UserOutgoingCallingPlanCallMeNowGetRequest.
    </xs:documentation>
</xs:annotation>
<xs:complexContent>
  <xs:extension base="core:OCIDataResponse">
    <xs:sequence>
      <xs:element name="useCustomSettings" type="xs:boolean"/>
      <xs:element name="userPermissions"
type="OutgoingCallingPlanCallMeNowPermissions"/>
    </xs:sequence>
  </xs:extension>
</xs:complexContent>
</xs:complexType>

```

3.5.2.39 UserOutgoingCallingPlanCallMeNowModifyRequest

Authorization level: Group

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```

<xs:complexType name="UserOutgoingCallingPlanCallMeNowModifyRequest">
  <xs:annotation>
    <xs:documentation>
      Modify the Call Me Now call permissions for a user.
      The response is either a SuccessResponse or an ErrorResponse.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="userId" type="UserId"/>
        <xs:element name="useCustomSettings" type="xs:boolean" minOccurs="0"/>
        <xs:element name="userPermissions"
type="OutgoingCallingPlanCallMeNowPermissionsModify" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

3.5.2.40 UserOutgoingCallingPlanDigitPlanCallMeNowGetRequest

Authorization level: User

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```

<xs:complexType name="UserOutgoingCallingPlanDigitPlanCallMeNowGetRequest">
  <xs:annotation>
    <xs:documentation>
      Request the Call Me Now call permissions for digit patterns for a user.
      The response is either a
UserOutgoingCallingPlanDigitPlanCallMeNowGetResponse or an ErrorResponse.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="userId" type="UserId"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

<xs:complexType name="UserOutgoingCallingPlanDigitPlanCallMeNowGetResponse">
  <xs:annotation>
    <xs:documentation>
      Response to UserOutgoingCallingPlanDigitPlanCallMeNowGetRequest.
    </xs:documentation>
  </xs:annotation>

```

```

</xs:annotation>
<xs:complexContent>
  <xs:extension base="core:OCIDataResponse">
    <xs:sequence>
      <xs:element name="useCustomSettings" type="xs:boolean"/>
      <xs:element name="userPermissions"
type="OutgoingCallingPlanDigitPatternCallMeNowPermissions" minOccurs="0"/>
    </xs:sequence>
  </xs:extension>
</xs:complexContent>
</xs:complexType>

```

3.5.2.41 UserOutgoingCallingPlanDigitPlanCallMeNowModifyRequest

Authorization level: Group

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```

<xs:complexType name="UserOutgoingCallingPlanDigitPlanCallMeNowModifyRequest">
  <xs:annotation>
    <xs:documentation>
      Modify the Call Me Now call permissions for digit patterns for a user.
      The response is either a SuccessResponse or an ErrorResponse.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="userId" type="UserId"/>
        <xs:element name="useCustomSettings" type="xs:boolean" minOccurs="0"/>
        <xs:element name="userPermissions"
type="OutgoingCallingPlanDigitPatternCallMeNowPermissions" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

3.5.2.42 UserOutgoingCallingPlanPinholeDigitPlanCallMeNowGetRequest

Authorization level: User

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```

<xs:complexType
name="UserOutgoingCallingPlanPinholeDigitPlanCallMeNowGetRequest">
  <xs:annotation>
    <xs:documentation>
      Request the Call Me Now permissions for Pinhole digit patterns for a user.
      The response is either a
UserOutgoingCallingPlanPinholeDigitPlanCallMeNowgGetResponse or an ErrorResponse.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="userId" type="UserId"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

<xs:complexType
name="UserOutgoingCallingPlanPinholeDigitPlanCallMeNowGetResponse">
  <xs:annotation>
    <xs:documentation>
      Response to UserOutgoingCallingPlanPinholeDigitPlanCallMeNowGetRequest.
    </xs:documentation>

```

```

</xs:annotation>
<xs:complexContent>
  <xs:extension base="core:OCIDataResponse">
    <xs:sequence>
      <xs:element name="useCustomSettings" type="xs:boolean"/>
      <xs:element name="userPermissions"
type="OutgoingPinholeDigitPlanDigitPatternCallMeNowPermissions" minOccurs="0"/>
    </xs:sequence>
  </xs:extension>
</xs:complexContent>
</xs:complexType>

```

3.5.2.43 UserOutgoingCallingPlanPinholeDigitPlanCallMeNowModifyRequest

Authorization level: Group

XML Schema file: OCISchemaServiceOutgoingCallingPlan.xsd

```

<xs:complexType
name="UserOutgoingCallingPlanPinholeDigitPlanCallMeNowModifyRequest">
  <xs:annotation>
    <xs:documentation>
      Modify the Call Me Now permissions for Pinhole digit patterns for a user.
      The response is either a SuccessResponse or an ErrorResponse.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="userId" type="UserId"/>
        <xs:element name="useCustomSettings" type="xs:boolean" minOccurs="0"/>
        <xs:element name="userPermissions"
type="OutgoingPinholeDigitPlanDigitPatternCallMeNowPermissions" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

3.5.2.44 SystemCallMeNowGetRequest

Authorization level: System

XML Schema file: OCISchemaServiceCallMeNow.xsd

```

<xs:complexType name="SystemCallMeNowGetRequest">
  <xs:annotation>
    <xs:appinfo>
      <asDataModeSupported>true</asDataModeSupported>
      <hssDataModeSupported>>false</hssDataModeSupported>
    </xs:appinfo>
    <xs:documentation>
      Request the system level data associated with Call Me Now service.
      The response is either a SystemCallMeNowGetResponse or an ErrorResponse.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

<xs:complexType name="SystemCallMeNowGetResponse">
  <xs:annotation>
    <xs:appinfo>
      <asDataModeSupported>true</asDataModeSupported>

```

```

    <hssDataModeSupported>false</hssDataModeSupported>
  </xs:appinfo>
  <xs:documentation>
    Response to SystemCallMeNowGetRequest.
  </xs:documentation>
</xs:annotation>
<xs:complexContent>
  <xs:extension base="core:OCIDataResponse">
    <xs:sequence>
      <xs:element name="passcodeLength" type="CallMeNowPasscodeLength"/>
      <xs:element name="passcodeTimeoutSeconds"
type="CallMeNowPasscodeTimeoutSeconds"/>
    </xs:sequence>
  </xs:extension>
</xs:complexContent>
</xs:complexType>

```

3.5.2.45 SystemCallMeNowModifyRequest

Authorization level: System

XML Schema file: OCISchemaServiceCallMeNow.xsd

```

<xs:complexType name="SystemCallMeNowModifyRequest">
  <xs:annotation>
    <xs:appinfo>
      <asDataModeSupported>true</asDataModeSupported>
      <hssDataModeSupported>false</hssDataModeSupported>
    </xs:appinfo>
    <xs:documentation>
      Modify the system level data associated with Call me now service.
      The response is either a SuccessResponse or an ErrorResponse.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="passcodeLength" type="CallMeNowPasscodeLength"
minOccurs="0"/>
        <xs:element name="passcodeTimeoutSeconds"
type="CallMeNowPasscodeTimeoutSeconds" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>

```

3.5.2.46 UserCallMeNowAddCriteriaRequest

Authorization level: User

XML Schema file: OCISchemaServiceCallMeNow.xsd

```

<xs:complexType name="UserCallMeNowAddCriteriaRequest">
  <xs:annotation>
    <xs:documentation>
      Add a criteria to the user's call me now service. The criterion added is
      automatically active
      The response is either a SuccessResponse or an ErrorResponse.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="userId" type="UserId"/>
        <xs:element name="criteriaName" type="CriteriaName"/>
        <xs:element name="timeSchedule" type="TimeSchedule" minOccurs="0"/>
        <xs:element name="holidaySchedule" type="HolidaySchedule" minOccurs="0"/>
        <xs:element name="rejectCall" type="xs:boolean"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>

```

```
<xs:element name="toDnCriteria" type="CallMeNowCriteriaToDn"/>
</xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>
```

3.5.2.47 UserCallMeNowDeleteCriteriaRequest

Authorization level: User

XML Schema file: OCISchemaServiceCallMeNow.xsd

```
<xs:complexType name="UserCallMeNowDeleteCriteriaRequest">
  <xs:annotation>
    <xs:documentation>
      Delete a criteria from the user's call me now service.
      The response is either a SuccessResponse or an ErrorResponse.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="userId" type="UserId"/>
        <xs:element name="criteriaName" type="CriteriaName"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

3.5.2.48 UserCallMeNowGetCriteriaRequest

Authorization level: User

XML Schema file: OCISchemaServiceCallMeNow.xsd

```
<xs:complexType name="UserCallMeNowGetCriteriaRequest">
  <xs:annotation>
    <xs:documentation>
      Get a criteria for the user's call me now service.
      The response is either a UserCallMeNowGetCriteriaResponse or an
      ErrorResponse.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="userId" type="UserId"/>
        <xs:element name="criteriaName" type="CriteriaName"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

<xs:complexType name="UserCallMeNowGetCriteriaResponse">
  <xs:annotation>
    <xs:documentation>
      Response to the UserCallMeNowGetCriteriaRequest.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIDataResponse">
      <xs:sequence>
        <xs:element name="timeSchedule" type="TimeSchedule" minOccurs="0"/>
        <xs:element name="holidaySchedule" type="HolidaySchedule" minOccurs="0"/>
        <xs:element name="rejectCall" type="xs:boolean"/>
        <xs:element name="toDnCriteria" type="CallMeNowCriteriaToDn"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

```

</xs:extension>
</xs:complexContent>
</xs:complexType>

```

3.5.2.49 UserCallMeNowGetRequest

Authorization level: User

XML Schema file: OCISchemaServiceCallMeNow.xsd

```

<xs:complexType name="UserCallMeNowGetRequest">
  <xs:annotation>
    <xs:documentation>
      Get the user's call me now service setting.
      The response is either a UserCallMeNowGetResponse or an ErrorResponse.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="userId" type="UserId"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

<xs:complexType name="UserCallMeNowGetResponse">
  <xs:annotation>
    <xs:documentation>
      Response to the UserCallMeNowGetRequest. The criteria table's column
      headings are:
      "Is Active", "Criteria Name", "Time Schedule", "Call To", "Reject Call" and
      "Holiday Schedule".
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIDataResponse">
      <xs:sequence>
        <xs:element name="isActive" type="xs:boolean"/>
        <xs:element name="answerConfirmation"
          type="CallMeNowAnswerConfirmation"/>
        <xs:element name="criteriaTable" type="core:OCITable"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

3.5.2.50 UserCallMeNowModifyCriteriaRequest

Authorization level: User

XML Schema file: OCISchemaServiceCallMeNow.xsd

```

<xs:complexType name="UserCallMeNowModifyCriteriaRequest">
  <xs:annotation>
    <xs:documentation>
      Modify a criteria for the user's call me now service.
      The response is either a SuccessResponse or an ErrorResponse.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="userId" type="UserId"/>
        <xs:element name="criteriaName" type="CriteriaName"/>
        <xs:element name="newCriteriaName" type="CriteriaName" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```



```

        <xs:element name="timeSchedule" type="TimeSchedule" nillable="true"
minOccurs="0"/>
        <xs:element name="holidaySchedule" type="HolidaySchedule" nillable="true"
minOccurs="0"/>
        <xs:element name="rejectCall" type="xs:boolean" minOccurs="0"/>
        <xs:element name="toDnCriteria" type="CallMeNowCriteriaToDnModify"
minOccurs="0"/>
    </xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

3.5.2.51 UserCallMeNowModifyRequest

Authorization level: User

XML Schema file: OCISchemaServiceCallMeNow.xsd

```

<xs:complexType name="UserCallMeNowModifyRequest">
  <xs:annotation>
    <xs:documentation>
      Modify the user's call me now service setting.
      The response is either a SuccessResponse or an ErrorResponse.
    </xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="core:OCIRequest">
      <xs:sequence>
        <xs:element name="userId" type="UserId"/>
        <xs:element name="isActive" type="xs:boolean" minOccurs="0"/>
        <xs:element name="answerConfirmation" type="CallMeNowAnswerConfirmation"
minOccurs="0"/>
        <xs:element name="criteriaActivation" type="CriteriaActivation"
minOccurs="0" maxOccurs="unbounded"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

3.5.3 Deprecated Commands

Command: SystemCommunicationBarringProfileAddRequest17sp1
 Replaced By: SystemCommunicationBarringProfileAddRequest17sp3
 Behavior Impacts: The new *callMeNowDefaultAction* element is set to "Block".

Command: SystemCommunicationBarringProfileGetRequest17sp1
 Replaced By: SystemCommunicationBarringProfileGetRequest17sp3
 Behavior Impacts: None

Command: ServiceProviderCommunicationBarringProfileAddRequest
 Replaced By: ServiceProviderCommunicationBarringProfileAddRequest17sp3
 Behavior Impacts: The new *callMeNowDefaultAction* element is set to "Block".

Command: ServiceProviderCommunicationBarringProfileGetRequest
 Replaced By: ServiceProviderCommunicationBarringProfileGetRequest17sp3
 Behavior Impacts: None

3.5.4 Reporting Impacts

There is no impact.

3.6 Application Server Query User/Query Group Impacts

Query User Command

The Query User command displays the:

- User Outgoing Calling Plan Call-Me-Now attributes in the UserOutgoingCallingPlanCallMeNowGetResponse.
- User Outgoing Digit Plan Call-Me-Now attributes in the UserOutgoingCallingPlanDigitPlanCallMeNowGetResponse.
- User Outgoing Pinhole Plan Call-Me-Now attributes in the UserOutgoingCallingPlanPinholePlanCallMeNowGetResponse.
- Call Me Now user service attributes in the UserCallMeNowGetResponse.

Query Group Command

The Query Group command displays the group:

- Outgoing Calling Plan Call-Me-Now attributes in the GroupOutgoingCallingPlanCallMeNowGetListResponse.
- Outgoing Digit Plan Call-Me-Now attributes in the GroupOutgoingCallingPlanDigitPlanCallMeNowGetListResponse.
- Outgoing Pinhole Plan Call-Me-Now attributes in the GroupOutgoingCallingPlanPinholePlanCallMeNowGetListResponse.

3.7 External Authentication Impacts

There is no impact.

3.8 Application Server Portal API Impacts

There is no impact.

3.9 Network Server Location API Impacts

There is no impact.

3.10 NSSync API Impacts

There is no impact.

3.11 Application Server Dump Impacts

There is no impact.

3.12 Service Details and Licensing

3.12.1 Application Server Service Details and Licensing

Official Service Name	License Type	Service Quantity Type
Call Me Now	User	User Service
User Service Assignable Condition		Yes/No
Assignable to a real user?		Yes
Assignable to an Auto Attendant?		Yes

User Service Assignable Condition	Yes/No
Assignable to a call center?	Yes
Assignable to a hunt group?	Yes
Assignable to an instant conference?	Yes
Assignable to an instant group call?	Yes
Assignable to a meet-me conference?	No
Assignable to a route point?	Yes
Assignable to a BroadWorks Anywhere?	Yes
Assignable to a paging group?	No
Allowed in a service pack?	Yes

3.13 Call Detail Server SOAP Interface

There is no impact.

3.14 Treatments

There is no impact.

3.15 Media Announcements (Audio and Video)

The following new files are introduced by this feature:

CallMeNowEnterPasscode.wav	Please enter your passcode, followed by the pound key.
CallMeNowInvalidPasscode.wav	This passcode is not valid.
CallMeNowHangUpTryAgain.wav	Please hang up and try again later.

Note that these files are identical to the existing *BAEnterPasscode.wav*, *BAInvalidPasscode.wav*, and *BAHangUpTryAgain.wav* files used for the BroadWorks Anywhere service.

3.16 BCCT Impacts

There is no impact.

3.17 Device Management Impacts

There is no impact.

4 Accounting Impacts

4.1 Accounting Management Impacts

The following CDRs are generated for a Call-Me-Now call that successfully proceeds to the target user:

- Originating CDR for the target user to the external party
- Originating CDR for the target user to the target user
- Terminating CDR for the target user

Each of these CDRs includes a service extension in the Centrex module with the service name set to "Call Me Now". The content of the service extension differs for each CDR described in section [4.1.1 Generation of Accounting Records](#).

If the Call-Me-Now call is rejected because the target user does not have the Call Me Now service enabled, then no CDRs are generated.

If the Call-Me-Now call is rejected by other screening (for example, Call Me Now service criteria, Outgoing Call Plan/Outgoing Digit Plan, Communication Barring – Fixed, or Hierarchical Communication Barring) or an answer confirmation failure before proceeding to the target user, then only the originating CDR for the target user to the external party is present and the CDR indicates that the call failed.

4.1.1 Generation of Accounting Records

4.1.1.1 Originating CDR for Target User to External Party

The originating CDR for the target user to the external party is for the call leg to the external party. This CDR is very similar to an originating CDR created for a call directly from the target user to the external party. The calling party information is for the target user and the called party information is for the external party.

There is no originating device information in the CDR since the call was not originated from a device.

The following fields are significant for the CDR:

- *localCallId* – The value follows the usual format such as "1:0". The value is also captured in the *callMeNow.relatedCallId* field of the originating CDR for the target user to the target user.
- *remoteCallId* – This contains the *localCallId* from the external party's terminating CDR if the leg to the external party is a group/enterprise call.
- *networkCallId* – This contains the call ID in use for the network leg to the external party if the call to the external party is a network call.
- *callMeNow.type* – This is set to "toRemoteParty".
- *callMeNow.transactionId* – This is set to the *transactionId* (if any) present in the Xsi-Actions request for the Call Me Now service.
- *callMeNow.relatedCallId* – This is set to the value of the *localCallId* in the originating CDR for the target user to the target user.

Note that if this CDR is for a Call-Me-Now failure, then the *callMeNow.relatedCallId* field is not set as there is no originating CDR for the target user to the target user.

4.1.1.2 Originating CDR for Target User to Target User

The purpose of the originating CDR for the target user to the target user is to provide a matching originating CDR for the target user's terminating CDR. This CDR is very similar to an originating CDR created for a group call directly from the target user to the target user. The calling party and the called party information are both for the target user.

There is no originating device information in the CDR since the call was not originated from a device. There is no original called or redirecting information in the CDR either, as the leg to the target user is not treated as a true redirection.

The following fields are significant for the CDR:

- *localCallId* – The contents follow the format “1:0CMN”, where the “CMN” portion identifies it as a Call-Me-Now call ID for the originating leg to the target user. The value is also captured in the *callMeNow.relatedCallId* field of the originating CDR for the target user to the external party.
- *remoteCallId* – This is set to the value of the *localCallId* in the terminating CDR for the target user.
- *callMeNow.type* – This is set to “toSelf”.
- *callMeNow.relatedCallId* – This is set to the value of the *localCallId* in the originating CDR for the target user to the external party.

4.1.1.3 Terminating CDR for Target User

The terminating CDR for the target user is very similar to a terminating CDR created for a usual terminating call from the external party to the target user.

However, there is no *networkCallId* in the CDR as the CDR correlation is always handled via the *remoteCallId*. There is no original called or redirecting information in the CDR either, as the leg to the target user is not treated as a true redirection.

The following fields are significant for the CDR:

- *localCallId* – The contents follow the usual format such as “2:0”. The value is also captured in the *remoteCallId* field of the originating CDR for the target user to the target user.
- *remoteCallId* – This is set to the value of the *localCallId* in the originating CDR for the target user to the target user.
- *callMeNow.type* – This is set to “toSelf”.

4.1.2 Impact to Accounting Fields (CDR)

Field name:	callMeNow.type
XML tag name:	type
CSV column number in normal/long duration CDRs:	299
CSV column number in failover CDRs:	Not applicable
Radius ID:	255="299=toRemoteParty"
Radius dictionary:	BWAS-Call-Me-Now-Type
SQL database column:	CMNType
Module:	Centrex, within the “Call Me Now” serviceExtension introduced by this feature

Optional or mandatory:	Optional
Description:	Indicates the type of Call-Me-Now CDR. This field is always present for a Call-Me-Now CDR. The "toRemoteParty" value is used in the originating CDR for the target user to the external party. The "toSelf" value is used in the originating CDR for the target user to the target user, and for the terminating CDR for the target user.
Maximum string length:	Up to 13 characters.
Value can contain non-standard ASCII characters?	No
Example data:	toRemoteParty

Field name:	callMeNow.transactionId
XML tag name:	transactionId
CSV column number in normal/long duration CDRs:	300
CSV column number in failover CDRs:	Not applicable
Radius ID:	255="300=CallMeNowApplicationX"
Radius dictionary:	BWAS-Call-Me-Now-Transaction-Id
SQL database column:	CMNTransId
Module:	Centrex, within the "Call Me Now" serviceExtension introduced by this feature
Optional or mandatory:	Optional
Description:	Captures the content of the <i>transactionId</i> parameter from the Xsi-Actions Call-Me-Now request. The exact content is application-specific, but examples would be the user ID of the party invoking the Call-Me-Now action or the application ID of the application used to invoke the Call-Me-Now action. Only present in the originating CDR for the target user to the external party, and only present when the Xsi-Actions request is included the <i>transactionId</i> parameter.
Maximum string length:	Up to 128 characters.
Value can contain non-standard ASCII characters?	Yes
Example data:	rémy@somewhere.com

Field name:	callMeNow.relatedCallId
XML tag name:	relatedCallId
CSV column number in normal/long duration CDRs:	301
CSV column number in failover CDRs:	Not applicable
Radius ID:	255="301=1:0"
Radius dictionary:	BWAS-Call-Me-Now-Related-Call-Id
SQL database column:	CMNRelCallId
Module:	Centrex, within the "Call Me Now" serviceExtension introduced by this feature
Optional or mandatory:	Optional

Description:	Contains the <i>localCallId</i> of the related Call-Me-Now CDR. This field is used to correlate the originating CDR for the target user to the external party with the originating CDR for the target user to the target user, and it is captured in both of these originating CDRs. This field is not present for Call-Me-Now failures since there is no originating CDR for the target user to the target user in that scenario.
Maximum string length:	Up to 40 characters.
Value can contain non-standard ASCII characters?	No
Example data:	1:0

4.1.3 XML Examples

The following values apply to all the CDR examples in this section:

Target User

- User ID – u1@broadworks
- Primary DN – +12403649001
- Primary Extension – 9001
- Name – Steve Jones

External Party

- External party is not a BroadWorks user
- Address in the Xsi-Actions request – 2405558000
- Contact returned from the Network Server – +12405558000@10.0.2.1;user=phone
- External party returns a connected identity with name “John Smith” and address “+12405558000”.

4.1.3.1 Call Me Now Success

4.1.3.1.1 Originating CDR for Target User to External Party

The following is an XML example of the originating CDR for the target user to the external party created for a successful Call-Me-Now call.

```

<cdrData>
  <headerModule>
    <recordId>
      <eventCounter>0000000003</eventCounter>
      <systemId>DEFAULT</systemId>
      <date>20110301215013.003</date>
      <systemTimeZone>0-050000</systemTimeZone>
    </recordId>
    <serviceProvider>e1</serviceProvider>
    <type>Normal</type>
  </headerModule>
  <basicModule>
    <userNumber>+12403649001</userNumber>
    <direction>Originating</direction>
    <asCallType>Network</asCallType>
    <callingNumber>+12403649001</callingNumber>

    <callingPresentationIndicator>Public</callingPresentationIndicator>
  
```

```

    <dialedDigits>2405558000</dialedDigits>
    <calledNumber>2405558000</calledNumber>

    <networkTranslatedNumber>+12405558000</networkTranslatedNumber>
    <startTime>20110301215013.003</startTime>
    <userTimeZone>0-050000</userTimeZone>
    <localCallId>23:0</localCallId>
    <answerIndicator>Yes</answerIndicator>
    <answerTime>20110301215041.609</answerTime>
    <releaseTime>20110301215144.234</releaseTime>
    <terminationCause>016</terminationCause>
    <chargeIndicator>y</chargeIndicator>
    <releasingParty>remote</releasingParty>
    <userId>ul@broadworks</userId>
  </basicModule>
  <centrexModule>
    <group>g1</group>
    <serviceExtensionList>
      <serviceExtension>
        <serviceName>Call Me Now</serviceName>
        <type>toRemoteParty</type>
      </serviceExtension>
    </serviceExtensionList>
    <transactionId>CallMeNowApplicationX</transactionId>
    <relatedCallId>23:0CMN</relatedCallId>
  </centrexModule>
  <ipModule>
    <route>10.0.2.1:5060</route>
  </ipModule>
  <networkCallID>BW1650255920103111847047095@10.0.1.1</networkCallID>
  <codec>PCMU/8000/1</codec>
  <codecUsage>61.476</codecUsage>
</cdrData>

```

4.1.3.1.2 Originating CDR for Target User to Target User

The following is an XML example of the originating CDR for the target user to the target user created for a successful Call-Me-Now call.

```

<cdrData>
  <headerModule>
    <recordId>
      <eventCounter>0000000004</eventCounter>
      <systemId>DEFAULT</systemId>
      <date>20110301215042.572</date>
      <systemTimeZone>0-050000</systemTimeZone>
    </recordId>
    <serviceProvider>e1</serviceProvider>
    <type>Normal</type>
  </headerModule>
  <basicModule>
    <userNumber>+12403649001</userNumber>
    <direction>Originating</direction>
    <asCallType>Group</asCallType>
    <callingNumber>+12405558000</callingNumber>

    <callingPresentationIndicator>Public</callingPresentationIndicator>
    <dialedDigits>9001</dialedDigits>
  </basicModule>
</cdrData>

```



```

        <calledNumber>+12403649001</calledNumber>
        <startTime>20110301215042.572</startTime>
        <userTimeZone>0-050000</userTimeZone>
        <localCallId>23:0CMN</localCallId>
        <remoteCallId>29:0</remoteCallId>
        <answerIndicator>Yes</answerIndicator>
        <answerTime>20110301215123.897</answerTime>
        <releaseTime>20110301215144.234</releaseTime>
        <terminationCause>016</terminationCause>
        <callCategory>private</callCategory>
        <chargeIndicator>n</chargeIndicator>
        <releasingParty>remote</releasingParty>
        <userId>ul@broadworks</userId>
        <otherPartyName>Steve Jones</otherPartyName>

    <otherPartyNamePresentationIndicator>Public</otherPartyNamePresentati
onIndicator>
    </basicModule>
    <centrexModule>
        <group>g1</group>
        <serviceExtensionList>
            <serviceExtension>
                <serviceName>Call Me Now</serviceName>
                <type>toSelf</type>
                <relatedCallId>23:0</relatedCallId>
            </serviceExtension>
        </serviceExtensionList>
    </centrexModule>
    <ipModule>
        <route>Group</route>
        <codec>PCMU/8000/1</codec>
        <codecUsage>20.151</codecUsage>
    </ipModule>
</cdrData>

```

4.1.3.1.3 Terminating CDR for Target User

The following is an XML example of the terminating CDR for the target user created for a successful Call-Me-Now call.

```

<cdrData>
    <headerModule>
        <recordId>
            <eventCounter>0000000002</eventCounter>
            <systemId>DEFAULT</systemId>
            <date>20110301215042.572</date>
            <systemTimeZone>0-050000</systemTimeZone>
        </recordId>
        <serviceProvider>e1</serviceProvider>
        <type>Normal</type>
    </headerModule>
    <basicModule>
        <userNumber>+12403649001</userNumber>
        <direction>Terminating</direction>
        <asCallType>Group</asCallType>
        <callingNumber>+12405558000</callingNumber>

    <callingPresentationIndicator>Public</callingPresentationIndicator>
        <calledNumber>+12403649001</calledNumber>
        <startTime>20110301215042.572</startTime>

```

```

<userTimeZone>0-050000</userTimeZone>
<localCallId>29:0</localCallId>
<remoteCallId>23:0CMN</remoteCallId>
<answerIndicator>Yes</answerIndicator>
<answerTime>20110301215123.897</answerTime>
<releaseTime>20110301215144.234</releaseTime>
<terminationCause>016</terminationCause>
<callCategory>private</callCategory>
<chargeIndicator>n</chargeIndicator>
<releasingParty>local</releasingParty>
<userId>ul@broadworks</userId>
<otherPartyName>John Smith</otherPartyName>

<otherPartyNamePresentationIndicator>Public</otherPartyNamePresentati
onIndicator>
  <clidPermitted>Yes</clidPermitted>
  <namePermitted>Yes</namePermitted>
</basicModule>
<centrexModule>
  <group>g1</group>
  <serviceExtensionList>
    <serviceExtension>
      <serviceName>Call Me Now</serviceName>
      <type>toSelf</type>
    </serviceExtension>
  </serviceExtensionList>
</centrexModule>
<ipModule>
  <route>Group</route>
  <codec>PCMU/8000/1</codec>
  <accessDeviceAddress>10.0.3.1</accessDeviceAddress>
  <accessCallID>BW165055586010311-
226451028@10.0.1.1</accessCallID>
  <codecUsage>20.236</codecUsage>
</ipModule>
</cdrData>

```

4.1.3.2 Call-Me-Now Failure

The following is an XML example of the originating CDR for the target user to the external party created when the answer confirmation fails for a Call-Me-Now call.

```

<cdrData>
  <headerModule>
    <recordId>
      <eventCounter>0000000002</eventCounter>
      <systemId>DEFAULT</systemId>
      <date>20110303195857.307</date>
      <systemTimeZone>0-050000</systemTimeZone>
    </recordId>
    <serviceProvider>e1</serviceProvider>
    <type>Normal</type>
  </headerModule>
  <basicModule>
    <userNumber>+12403649001</userNumber>
    <direction>Originating</direction>
    <asCallType>Network</asCallType>
    <callingNumber>+12403649001</callingNumber>

    <callingPresentationIndicator>Public</callingPresentationIndicator>
    <dialedDigits>2405558000</dialdDigits>
  </basicModule>
</cdrData>

```

```
<calledNumber>2405558000</calledNumber>

<networkTranslatedNumber>+12405558000</networkTranslatedNumber>
  <startTime>20110303195857.307</startTime>
  <userTimeZone>0-050000</userTimeZone>
  <localCallId>37:0</localCallId>
  <answerIndicator>No</answerIndicator>
  <releaseTime>20110303195944.479</releaseTime>
  <terminationCause>021</terminationCause>
  <chargeIndicator>n</chargeIndicator>
  <releasingParty>local</releasingParty>
  <userId>ul@broadworks</userId>
</basicModule>
<centrexModule>
  <group>g1</group>
  <serviceExtensionList>
    <serviceExtension>
      <serviceName>Call Me Now</serviceName>
      <type>toRemoteParty</type>
    </serviceExtension>
  </serviceExtensionList>
</centrexModule>
<ipModule>
  <route>10.0.2.1:5060</route>
  <networkCallID>BW145911288030311-
1108456410@10.0.1.1</networkCallID>
</ipModule>
</cdrData>
```

5 System Management Impacts

5.1 Performance Management Impacts

5.1.1 New Counters

The following new counters are added for Call Me Now:

Name:	bwCallMeNowNumRequests
MIB:	BW-Execution.mib
Module:	enterprises.broadsoft.broadworks.executionServer.services.callMeNow
Description:	Number of times a Call-Me-Now request has been received.
Type:	Counter32
Access:	read/write
Incremented:	When a Call-Me-Now request is received.

Name:	bwCallMeNowSPNumRequests
MIB:	BW-Execution.mib
Module:	enterprises.broadsoft.broadworks.executionServer.services.callMeNow
Description:	Number of times a Call-Me-Now request has been received for users in a given service provider.
Type:	Counter32
Access:	read/write
Incremented:	When a Call-Me-Now request is received for a user in the service provider.

Name:	bwCallMeNowGroupNumRequests
MIB:	BW-Execution.mib
Module:	enterprises.broadsoft.broadworks.executionServer.services.callMeNow
Description:	Number of times a Call-Me-Now request has been received for users in a given group.
Type:	Counter32
Access:	read/write
Incremented:	When a Call-Me-Now request is received for a user in the group.

Name:	bwCallMeNowNumAttempts
MIB:	BW-Execution.mib
Module:	enterprises.broadsoft.broadworks.executionServer.services.callMeNow
Description:	Number of times a Call-Me-Now request passed screening and attempted to alert the external party.
Type:	Counter32
Access:	read/write
Incremented:	When Call-Me-Now attempts to alert the external party.

Name: bwCallMeNowSPNumAttempts
MIB: BW-Execution.mib
Module: enterprises.broadsoft.broadworks.executionServer.services.callMeNow
Description: Number of times a Call-Me-Now request passed screening and attempted to alert the external party for users in a given service provider.
Type: Counter32
Access: read/write
Incremented: When Call-Me-Now attempts to alert the external party for a user in the service provider.

Name: bwCallMeNowGroupNumAttempts
MIB: BW-Execution.mib
Module: enterprises.broadsoft.broadworks.executionServer.services.callMeNow
Description: Number of times a Call-Me-Now request passed screening and attempted to alert the external party for users in a given group.
Type: Counter32
Access: read/write
Incremented: When Call-Me-Now attempts to alert the external party for a user in the group.

Name: bwCallMeNowNumSuccess
MIB: BW-Execution.mib
Module: enterprises.broadsoft.broadworks.executionServer.services.callMeNow
Description: Number of times a Call-Me-Now request has been answered by the external party and passed any applicable answer confirmation.
Type: Counter32
Access: read/write
Incremented: When a Call-Me-Now request has been answered by the external party and passed any applicable answer confirmation.

Name: bwCallMeNowSPNumSuccess
MIB: BW-Execution.mib
Module: enterprises.broadsoft.broadworks.executionServer.services.callMeNow
Description: Number of times a Call-Me-Now request has been answered by the external party and passed any applicable answer confirmation for users in a given service provider.
Type: Counter32
Access: read/write
Incremented: When a Call-Me-Now request has been answered by the external party and passed any applicable answer confirmation for a user in the service provider.

Name:	bwCallMeNowGroupNumSuccess
MIB:	BW-Execution.mib
Module:	enterprises.broadsoft.broadworks.executionServer.services.callMeNow
Description:	Number of times a Call-Me-Now request has been answered by the external party and passed any applicable answer confirmation for users in a given group.
Type:	Counter32
Access:	read/write
Incremented:	When a Call-Me-Now request has been answered by the external party and passed any applicable answer confirmation for a user in the group.

5.1.2 Modified Counters

There is no impact.

5.1.3 Deleted Counters or Module

There is no impact.

5.2 Fault Management Impacts

There is no impact.

5.3 Scripts and Tools

There is no impact.

5.4 EMS Integration Impacts

There is no impact.

6 Execution/Call Processing Impacts

6.1 CAP Interface Impact

There is no impact.

6.2 Xtended Services Interface (Xsi) Impact

6.2.1 Summary

The Call-Me-Now action is added to Xsi-Actions to allow the Call Me Now service to be invoked for a BroadWorks user. Unlike all other Xsi-Actions, the Call-Me-Now action does not initiate an authentication challenge as the invoking party may not be a BroadWorks user.

6.2.2 Xsi-Actions Impacts

6.2.2.1 Added Commands

6.2.2.1.1 `/user/<userid>/calls/CallMeNow`

Release: 17.sp3

The *CallMeNow* URI invokes the Call Me Now service for the specified user.

The mandatory *address* parameter specifies the address to use for calling the external party that is invoking the Call Me Now service.

The following are examples of valid content for the *address* parameter:

- 2403645555
- +12403645555
- 5555
- tel:+12403645555
- sip:2403645555@broadworks

When present, the *transactionId* parameter is captured in the originating CDR created for the Call-Me-Now call from the target user to the external party. It can be used for various purposes such as capturing an identifier of the application or external party that is invoking the Call Me Now service. It is an optional parameter, and any string value up to 128 characters long is valid.

The Call-Me-Now action does not initiate an authentication challenge as the invoking party may not be a BroadWorks user, and any authentication headers received in the request are ignored. However, the provided *address* parameter is screened, as described in section [2 Detailed Feature Description](#). Note that the absence of authentication for the Call-Me-Now action is built into Xsi-Actions and is not configurable.

If the Call-Me-Now action is rejected (for example, the target user does not have the Call Me Now service enabled or the screening of the provided address fails), then an error response is returned.

Otherwise, a 200 OK success response is returned. If the specified user has the Call Me Now service's *Answer Confirmation* option set to "Passcode", then the *CallMeNowStartInfo* returned in the success response includes the passcode to be used.

For all other answer confirmation settings, the *CallMeNowStartInfo* returned in the success response contains no passcode.

Method Description:

URI	http(s)://<host:port>/com.broadsoft.xsi-actions/v2.0/user/<userid>/calls/CallMeNow?address=[&transactionId=]
Command Category	Call Management
Methods	POST
POST Request Content	No Content
POST Response Content	<?xml version="1.0" encoding="UTF-8"?> <CallMeNowStartInfo xmlns="http://schema.broadsoft.com/xsi"> <passcode>1234</passcode> </CallMeNowStartInfo>

6.2.2.2 Modified commands

There is no impact.

6.2.2.3 Deprecated commands

There is no impact.

6.2.3 **Xsi-Events Impacts**

The Xsi-Events interface and schema are not modified by this feature.

However, when the external party has successfully answered a Call-Me-Now call, the call is internally redirected from the target user to themselves to initiate the terminating leg to the target user.

If the Application Server is in stand-alone mode, the call to the external party is a group/enterprise call, and the external party has a call event package subscription present for Xsi-Events, then the internal Call-Me-Now redirection triggers a *CallTransferredEvent* for Xsi-Events.

6.2.4 **Xsi-MMTel Impacts**

There is no impact.

6.2.5 **Schema Impacts**

6.2.5.1 CallMeNowPasscode

Namespace: Xsi

Impact type: Added

File name: XSIDataTypes.xsd

```
<xs:simpleType name="CallMeNowPasscode">
  <xs:annotation>
    <xs:documentation>
      The passcode used by the Call Me Now service. It is composed
      of digits (0-9) and is 2 to 30 digits long per system configuration.
    </xs:documentation>
  </xs:annotation>
</xs:simpleType>
```



```
Change History:  
R17.sp3 - Added  
</xs:documentation>  
</xs:annotation>  
<xs:restriction base="xs:string">  
  <xs:pattern value="[0-9]{2,30}"/>  
</xs:restriction>  
</xs:simpleType>
```

6.2.5.2 CallMeNowStartInfo

Namespace: Xsi

Impact type: Added

File name: XSIDataTypes.xsd

```
<xs:complexType name="CallMeNowStartInfo">  
  <xs:annotation>  
    <xs:documentation>  
      Provides information in the response to an accepted Call Me Now  
      request.  
  
      Change History:  
      R17.sp3 - Added  
    </xs:documentation>  
  </xs:annotation>  
  <xs:sequence>  
    <xs:element name="passcode" type="CallMeNowPasscode" minOccurs="0">  
      <xs:annotation>  
        <xs:documentation>  
          The passcode to use for the Call Me Now call. Only present  
          when the Call Me Now service's answer confirmation option set to  
          Passcode.  
        </xs:documentation>  
      </xs:annotation>  
    </xs:element>  
  </xs:sequence>  
</xs:complexType>
```

6.3 SIP/MGCP Interface Impact

There is no impact.

6.4 Service Interactions

6.4.1 Service Precedence

The Call-Me-Now request is screened by various functionalities in order of precedence, described in sections [2.3.2 Xsi-Actions Invocation](#), [2.3.3 External Party Screening](#), and [2.3.5 Answer Confirmation](#).

6.4.2 Service Interactions

6.4.2.1 Originating Call-Me-Now Leg to External Party

All services and policies not included in the subsections that follow have no service interactions with the originating Call-Me-Now leg to the external party. For example,

Account/Authorization Codes, Advice of Charge, Basic Call Logs, Call Capacity Management, Dial Plan Policies, Enhanced Call Logs, Expensive Call Notification, Feature Access Code (FAC) Dialing (Call Return, Last Number Redial, and so on), Service Scripts, Session Admission Control, and Speed Dial 8/100 do not apply to this call leg.

6.4.2.1.1 Answer Confirmation

When the Call Me Now service is configured with *Answer Confirmation* set to “Any Key”, the Answer Confirmation service configuration is used as described in section [2.3.5.2 Any Key](#).

6.4.2.1.2 Call Center Agent

If the target user is a call center agent, the *Make outgoing calls* option is set, and then the specified identity is used for the target user.

6.4.2.1.3 Call Processing Policies

The Call Processing policies in effect for the target user apply to the leg for the external party. For example, the maximum duration for Unanswered Calls policy can limit how long the external party is alerted before answering the call, the Calling Line ID policies control the identity selected for the target user and whether privacy is restricted for group/enterprise calls, and the Translation and Routing policies control how the translation of the external party's address is performed.

6.4.2.1.4 Calling Line ID Delivery Blocking

If the target user has the Calling Line ID Delivery Blocking service in effect for the call to the external party, then the external party is notified that privacy is restricted.

6.4.2.1.5 Calling Party Category

The calling party category (if any) in effect for the target user applies to the leg for the external party.

6.4.2.1.6 Classmark

The classmark (if any) in effect for the target user applies to the leg for the external party.

6.4.2.1.7 Communication Barring – Fixed

The Call-Me-Now controls for Communication Barring – Fixed (CBF) are configured and applied, as described in section [2 Detailed Feature Description](#).

6.4.2.1.8 Hierarchical Communication Barring

The Call-Me-Now controls for Hierarchical Communication Barring (HCB) are configured and applied, as described in section [2 Detailed Feature Description](#).

6.4.2.1.9 Intercept

The intercept configuration in effect for the target user or the target user's group applies, as described in section [2.3.3 External Party Screening](#).

6.4.2.1.10 Outgoing Calling Plan

The Call-Me-Now controls for the Outgoing Call Plan (OCP) are configured and applied, as described in section [2 Detailed Feature Description](#).

6.4.2.1.11 *Outgoing Digit Plan*

The Call-Me-Now controls for Outgoing Digit Plan (ODP) are configured and applied, as described in section [2 Detailed Feature Description](#).

6.4.2.1.12 *Outgoing Pinhole Digit Plan*

The Call-Me-Now controls for Outgoing Pinhole Digit Plan (OPDP) are configured and applied, as described in section [2 Detailed Feature Description](#).

6.4.2.1.13 *Overload Controls*

The Application Server applies overload controls to the Xsi-Actions request for Call Me Now in the same way they are applied to CAP and Xsi-Actions dial requests.

6.4.2.1.14 *Preferred Carrier*

The preferred carrier selection (if any) in effect for the target user applies to the leg for the external party.

6.4.2.1.15 *Prepaid*

If the Prepaid service is in use for the target user, then it applies to the originating CDR for the target user to the external party. The Prepaid service runs as usual for this originating CDR except that no warning tones or announcements are played since the target user has no originating device for this call leg.

Though the warning tones and announcements are not played, the Call-Me-Now call is released if applicable (for example, insufficient credits) for Prepaid service triggers. Note that the Call-Me-Now call is rejected immediately if insufficient credits are available at the start of the call.

The Prepaid service also applies to the originating CDR for the target user to the target user (which is similar to an internal redirection). Warning tones and announcements are not played for this leg either (just as they are not played for normal redirections), but the Call-Me-Now call is released if applicable (for example, insufficient credits) for Prepaid service triggers.

For more information on the Prepaid service, see *IMS Accounting Ro Interface Feature Description* [\[5\]](#).

6.4.2.1.16 *Trunk Group*

If the target user is directly associated with a trunk group, then the Calling Line ID policies in effect for the trunk group apply when selecting the identity for the target user.

If the target user is associated with an enterprise trunk and there are trunk groups assigned to the enterprise trunk, then the first trunk group (in alphabetical order) assigned to the enterprise trunk is selected. If more than one trunk group is found to be first in alphabetical order (duplicate trunk group IDs in different groups), then the trunk group of the first group (in alphabetical order) is selected. Once the selected trunk group has been identified, then the Calling Line ID policies in effect for the selected trunk group apply when selecting the identity for the target user.

Note that trunk group call capacity controls do not apply to the originating leg for the external party.

6.4.2.2 Terminating Call-Me-Now Leg to External Party

For the terminating leg to the external party, the incoming Call-Me-Now call is treated the same as a usual incoming call. If the external party is a BroadWorks user, all of the services and policies in effect for the external party apply just as they would if the target user called the external party directly instead of via Call Me Now described in section [2.3.4 Calling the External Party](#).

6.4.2.3 Terminating Call-Me-Now Leg to Target User

For the terminating leg to the target user, the incoming Call-Me-Now call is treated the same as a usual incoming call. All of the services and policies in effect for the target user apply just as they would if the external party called the target user directly instead of via Call Me Now described in section [2.3.6 Calling the Target User](#).

7 Client Application Impacts

7.1 OCI-P/CAP Impacts

There is no impact.

7.2 Call Control Impacts

There is no impact.

7.3 Window Impacts

There is no impact.

8 Deployment/Operational Impacts

8.1 Configuration File Impacts

There is no impact.

8.2 Installation Impacts

The new Call-Me-Now system parameters are present on a new installation and are set to the default values described in section [3.1.1 Call-Me-Now System Parameters](#).

8.3 Upgrade Impacts

The new Call-Me-Now system parameters are added and are set to the default values described in section [3.1.1 Call-Me-Now System Parameters](#).

A default rule to block all Call-Me-Now calls is added to all system communication barring profiles present, described in section [3.1.5 System Communication Barring Profile](#).

A default rule to block all Call-Me-Now calls is added to all service provider communication barring profiles present, described in section [3.1.7 Service Provider Communication Barring Profile](#).

Group Outgoing Calling Plan Call-Me-Now permissions are added and set to the default values described in sections [3.1.9 Outgoing Calling Plan Call-Me-Now Permissions](#) and [3.1.11 Group Outgoing Calling Plan Call Me Now](#).

User Outgoing Calling Plan Call-Me-Now permissions are added and set to the default values described in section [3.1.18 User Outgoing Calling Plan Call Me Now](#), for user overridden permissions.

8.4 Rollback Impacts

The new Call-Me-Now system parameters defined in section [3.1.1 Call-Me-Now System Parameters](#) are removed from the database.

The default rule to block all Call-Me-Now calls described in section [3.1.5 System Communication Barring Profile](#) is removed from all service provider communication barring profiles present.

System and service provider communication barring profile Call-Me-Now rules described in sections [3.1.6 System Communication Barring Profile Call-Me-Now Rule](#) and [3.1.8 Service Provider Communication Barring Call-Me-Now Rule](#) are removed.

The default rule to block all Call-Me-Now calls described in section [3.1.7 Service Provider Communication Barring Profile](#) is removed from all service provider communication barring profiles present.

Group Outgoing Calling Plan Call-Me-Now permissions described in section [3.1.11 Group Outgoing Calling Plan Call Me Now](#) are removed.

Group Outgoing Digit Plan Call-Me-Now permissions described in section [3.1.14 Group Outgoing Digit Plan Call-Me-Now](#) are removed.

Group Outgoing Pinhole Digit Plan Call-Me-Now permissions described in section [3.1.17 Group Outgoing Pinhole Digit Plan Call Me Now](#) are removed.

User Outgoing Calling Plan Call-Me-Now permissions described in section [3.1.18 User Outgoing Calling Plan Call Me Now](#) are removed.

User Outgoing Digit Plan Call-Me-Now permissions described in section [3.1.19 User Outgoing Digit Plan Call Me Now](#) are removed.

User Outgoing Pinhole Digit Plan Call-Me-Now permissions described in section [3.1.20 User Outgoing Pinhole Digit Plan Call Me Now](#) are removed.

The Call Me Now service is unassigned from all users, removed from all new user templates, unauthorized from all groups, service providers, and enterprises, removed from all service packs, removed from all trunk group user creation tasks, and removed from all service pack migration tasks.

8.5 Security Impacts

The CallMeNow action for Xsi-Actions does not initiate an authentication challenge as the invoking party may not be a BroadWorks user, and any authentication headers received in the request are ignored. This authentication bypass only applies to the Call-Me-Now action, however, and does not affect any other Xsi-Actions requests.

8.6 Scheduled Tasks

There is no impact.

8.7 Third Party Software

There is no impact.

8.8 Server Logging Impacts

There is no impact.

8.9 Client Application Impacts

8.9.1 Deployment Studio Impacts

There is no impact.

8.9.2 Configuration Impacts

There is no impact.

8.9.3 Host Application Impacts

There is no impact.

8.9.4 Third Party Integration Impacts

There is no impact.

9 System Engineering Impacts

9.1 Processing Impacts

The number of messages for a Call-Me-Now call is the same as the number of messages for a BroadWorks Anywhere Click-To-Dial call. The Network Server is queried (if applicable) for the external party, the call is routed to the external party, the target user is alerted after the external party answers, and the parties are reconnected together once the target user answers.

Note that there is additional messaging to the Media Server and the external party if the answer confirmation is in use for Call Me Now just as there are if answer confirmation is enabled for BroadWorks Anywhere.

There is no processing impact for usual calls.

However, Call-Me-Now calls, themselves, are screened by the Call Me Now service, Outgoing Call Plan, Outgoing Digit Plan, Outgoing Pinhole Digit Plan, Communication Barring – Fixed, and Hierarchical Communication Barring according to configuration, and as a result, they are subject to the processing impacts of those screenings.

9.2 Memory Impacts

There is no impact to usual calls.

For Call-Me-Now calls, there are three call-half sessions present. The first is an unmapped session that handles the Call-Me-Now screening for the target user (including the Network Server query, if applicable) and both originating CDRs. The second is a usual session that handles the terminating leg to the external party. The third is a usual session that handles the terminating leg to the target user.

9.3 Disk Usage Impacts

There is no impact.

9.4 Port Usage Impacts

There is no impact for usual calls. For Call-Me-Now calls, a Media Server port is used whenever the external party answers the call and *Answer Confirmation* is set to “Any Key” or “Passcode” for the user’s Call Me Now service. The Media Server port is released once the answer confirmation is complete.

9.5 Hardware Impacts

There is no impact.

10 Service Pack Information

This feature is available in the Release 17.sp3 service pack.

10.1 Functional Differences in Source Release and Service Packs

There are no differences.

10.1.1 Provisioning Differences

There are no differences.

10.1.2 Accounting Differences

There are no differences.

10.1.3 System Management Differences

There are no differences.

10.1.4 Execution/Call Processing Differences

There are no differences.

10.1.5 Client Application Differences

There are no differences.

10.1.6 Deployment/Operational Differences

There are no differences.

10.1.7 System Engineering Differences

There are no differences.

10.2 Feature Activation Impacts

10.2.1 Method of Activation

This feature is activated using the following CLI command:

```
AS_CLI/System/ActivatableFeature> activate 97691
```

10.2.2 Activatable Feature ID and Dependencies

Activatable Feature ID: 97691

Activatable Feature Name: Call Me Now

This feature is dependent on activatable Feature ID 111573 (Release 17.sp3 CDR).

This feature is dependent on activatable Feature ID 115504 (Hierarchical Communication Barring).

This feature is dependent on activatable Feature ID 115681 (Outgoing Calling Plan Dial Restriction Override Patterns).

10.2.3 Behavior Impacts upon Activation

Upon activation, the Application Server allows the Xsi-Actions request for Call Me Now to be processed instead of immediately being rejected.

Call-Me-Now call rules can be configured on communication barring profiles at the system level.

The Call Me Now service is available to be authorized to service providers.

10.2.4 Provisioned Data Impacts on Activation

There is no impact.

10.2.5 Provisioned Data Impacts on Deactivation

Deactivation fails if the Call Me Now service is authorized to any service providers.

Call-Me-Now Communication Barring rules are deleted at the system level and the defaultAction for the default rule is set to its default value (see section [3.1.5 System Communication Barring Profile](#)).

10.2.6 OCI Command Behavior Prior to Activation

- An attempt to add a system communication barring profile with the *callMeNowRule* or *callMeNowDefaultCallTimeout* element causes the `SystemCommunicationBarringProfileAddRequest17sp3` to fail. This command also fails if attempted with the *callMeNowDefaultAction* element set to a non-default value.
- An attempt to modify a system communication barring profile's *callMeNowDefaultAction*, *callMeNowDefaultCallTimeout*, or *callMeNowRule* element causes the `SystemCommunicationBarringProfileModifyRequest` to fail.

11 Restrictions and Limitations

11.1 Virtual Subscribers

The Call Me Now service can be assigned to the following virtual subscriber types documented in section [3.12 Service Details and Licensing](#):

- Auto Attendant
- BroadWorks Anywhere
- Call Center
- Hunt Group
- Instant Conferencing
- Instant Group Call
- Route Point

However, only Instant Conferencing and Route Point allow for Outgoing Call Plan, Outgoing Digit Plan, Outgoing Pinhole Digit Plan, Communication Barring – Fixed, and Hierarchical Communication Barring screening, and as a result, only Instant Conferencing and Route Point can use the Call-Me-Now controls provided as part of this screening.

For all the other virtual subscriber types, the Call-Me-Now controls for Outgoing Call Plan, Outgoing Digit Plan, Outgoing Pinhole Digit Plan, Communication Barring – Fixed, and Hierarchical Communication Barring are not available and therefore, careful consideration should be taken before activating the Call Me Now service for them.

11.2 Multiple Answer Confirmations

When the target user for a Call-Me-Now call has *Answer Confirmation* set to “Any Key” or “Passcode”, it is possible for there to be multiple answer confirmations due to the external party having a service that initiates its own answer confirmation.

For example, the external party may have the BroadWorks Anywhere or Simultaneous Ringing service with the answer confirmation enabled for a location. If the external party answers the Call-Me-Now call at that location, then the BroadWorks Anywhere/Simultaneous Ringing service for the external party initiates its answer confirmation. Once that answer confirmation is successful, the answer is allowed to continue to the target user, at which point the target user’s Call Me Now service initiates its answer confirmation.

Acronyms and Abbreviations

This section lists the acronyms and abbreviations found in this document. The acronyms and abbreviations are listed in alphabetical order along with their meanings.

ABNF	Augmented Backus-Naur Form
Admin	Administrator
API	Application Programming Interface
AS	Application Server
BCCT	BroadWorks Common Communication Transport
BW	BroadWorks
CAP	Client Application Protocol
CBF	Communication Barring – Fixed
CDR	Call Detail Record
CDS	Call Detail Server
CLI	Command Line Interface
CLID	Calling Line ID
CORBA	Common Object Request Broker Architecture
CPU	Central Processing Unit
CS	Conferencing Server
CWT	Call Waiting Tone
dBm	The power ratio in decibel (dB) of the measured power referenced to one milliwatt (mW).
Dbmo	The level of a signal as specified in dBmO, is the level of that signal (in dBm) as measured at the reference point of the network.
DN	Directory Number
DND	Do Not Disturb
EMS	Element Management System
EV	ExtraView
FAC	Feature Access Code
FQDN	Fully Qualified Domain Name
FR	Feature Request
FS	Functional Specification
FTP	File Transfer Protocol
HCB	Hierarchical Communication Barring
HTML	Hypertext Markup Language
Hz	Hertz
IMS	IP Multimedia Subsystem

IP	Internet Protocol
IVR	Interactive Voice Response
LSSGR	LATA Switching Systems Generic Requirements
MGCP	Media Gateway Control Protocol
MIB	Management Information Base
MR	Market Request
MS	Media Server
NS	Network Server
NSSync	Network Server Synchronization
OAM&P	Operations, Administration, Management, and Provisioning
OCI-C	Open Client Interface-Call Control
OCI-P	Open Client Interface-Provisioning
OCP	Outgoing Calling Plan
ODP	Outgoing Digit Plan
OOTB	Out-of-the-Blue
OPDP	Outgoing Pinhole Digit Plan
OS	Operating System
OSS	Operations Support System
PM	Performance Measurement
PUI	Public User Identity
RFC	Request for Comments
SIP	Session Initiation Protocol
SOAP	Simple Object Access Protocol
SP	Service Pack
TCP/IP	Transmission Control Protocol/Internet Protocol
TDM	Time Division Multiplexing
URI	Uniform Resource Identifier
URL	Uniform Resource Locator
WS	Web Server
XML	eXtensible Markup Language
Xsi	Xtended Services Interface
Xsp	Xtended Services Platform

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