

# PLUS (+) Dialing For HQ Site

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Last updated: November 13, 2017

## Tasks

Configure HQ CUCM to deliver the following globalized calling number to HQ Phones

1. When HQ PSTN (PSTN Phone Line 1) calls HQ IP Phones by dialing 5022XXX and the call is not answered, the "missed calls" directory on HQ Phones should display the missed call in a globalized format with + sign, "+14085032000".
2. When Site B PSTN calls HQ Phone by dialing 14085022XXX and the call is not answered, the "missed calls" directory on HQ Phones should display the missed call in a globalized format with + sign, "+19726043000".
3. When Site C PSTN calls HQ Phones by dialing 0014085022XXX and the call is not answered, the "missed calls" directory on HQ Phone should display the missed call in a globalized format with + sign, "+85270054000".
4. For any of the missed calls mentioned above, the owner at HQ Phones should be able to press the "dial" soft key to place a call to appropriate destination through the HQ MGCP Local gateway along with calling name.

## Configuration: [Click to collapse](#)

### R1 – HQ Gateway

```
debug isdn q931
```

**Dial from PSTN Phone Line 1 (HQ PSTN) by dialing 5022XXX and leave a miss call.**

Note down the calling number.

**Dial from PSTN Phone Line 2 (Site B PSTN) by dialing 14085022XXX and leave a miss call.**

Note down the calling number.

**Dial from PSTN Phone Line 3 (Site C PSTN) by dialing 0014085022XXX and leave a miss call.**

Note down the calling number.

### HQ – Publisher

Device > Gateway (Go to the T1 endpoint on the MGCP gateway)

Incoming Calling Party Settings

If the administrator sets the prefix to Default this indicates call processing will use prefix at the next level setting (DevicePool/Service Parameter). Otherwise, the value configured is used as the prefix unless the field is empty in which case there is no prefix assigned.

Number Type	Prefix	Strip Digits	Calling Search Space	Use Device Pool CSS
National Number	+1	0	[ None >	<input type="checkbox"/>
International Number	+	0	[ None >	<input type="checkbox"/>
Subscriber Number	+1408	0	[ None >	<input type="checkbox"/>

Call Routing > Translation Pattern (Find)

<https://t.me/learningnets>



**Translation Pattern Configuration**

Save Delete Copy Add New

---

**Status**  
 Status: Ready

---

**Pattern Definition**

Translation Pattern:

Partition:

Description:

Numbering Plan:

Route Filter:

MLPP Precedence\*:

Resource Priority Namespace Network Domain:

Route Class\*:

Calling Search Space:

External Call Control Profile:

Route Option:  
 Route this pattern  
 Block this pattern

Provide Outside Dial Tone  
 Urgent Priority  
 Route Next Hop By Calling Party Number

---

**Calling Party Transformations**

Use Calling Party's External Phone Number Mask

Calling Party Transform Mask:

Prefix Digits (Outgoing Calls):

Calling Line ID Presentation\*:

Calling Name Presentation\*:

Calling Party Number Type\*:

Calling Party Numbering Plan\*:

---

**Connected Party Transformations**

Connected Line ID Presentation\*:

Connected Name Presentation\*:

---

**Called Party Transformations**

Discard Digits:

Called Party Transform Mask:

Prefix Digits (Outgoing Calls):   
 +

Called Party Number Type\*:

Called Party Numbering Plan\*:

Save Delete Copy Add New

**Translation Pattern Configuration**

Save Delete Copy Add New

---

**Status**  
 Status: Ready

---

**Pattern Definition**

Translation Pattern:

Partition:

Description:

Numbering Plan:

Route Filter:

MLPP Precedence\*:

Resource Priority Namespace Network Domain:

Route Class\*:

Calling Search Space:

External Call Control Profile:

Route Option:  
 Route this pattern  
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Provide Outside Dial Tone  
 Urgent Priority  
 Route Next Hop By Calling Party Number

**Calling Party Transformations**

Use Calling Party's External Phone Number Mask

Calling Party Transform Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation\*

Calling Name Presentation\*

Calling Party Number Type\*

Calling Party Numbering Plan\*

---

**Connected Party Transformations**

Connected Line ID Presentation\*

Connected Name Presentation\*

---

**Called Party Transformations**

Discard Digits

Called Party Transform Mask

Prefix Digits (Outgoing Calls)

Called Party Number Type\*

Called Party Numbering Plan\*

## Verification

### R1 - MGCP Gateway

```
debug isdn q931
```

Go to HQ Phone 1 Directories and select Missed call.  
Select the Number +14085032000 and click Dial.

Go to HQ Phone 1 Directories and select Missed call.  
Select the Number +19726043000 and click Dial.

Go to HQ Phone 1 Directories and select Missed call.  
Select the Number +85270054000 and click Dial.

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