

### Quick Start Guide



## Cisco Business Communications Solution Verified Designs Planning Worksheet

Before installing and configuring the Cisco Business Communications Solution Verified Designs, you need to note the information listed on this card. You can get this information from your network administrator.

Look at the back of this card for an illustration of a sample configuration using Cisco IPC Express Quick Configuration Tool (QCT). This configuration includes some of the numbered items listed here so you can see how they work together. Other configurations would use different combinations of this information.

Follow the steps in the document *Installing Cisco Business Communications Solution Verified Designs* to install and configure Cisco BCS Verified Designs.

# 1 Required Steps to Install Cisco BCS Verified Designs

- Step 1** Use Cisco IPC Express QCT to enter the information listed on this card.
- Step 2** Continue the installation by creating subinterfaces for data and voice, a DHCP IP addressing pool, and separate VLANs for data and voice using CLI.
- Step 3** Add security to the voice network using Cisco Security Device Manager.

# 2 Cisco BCS Verified Designs System Parameters

Record the following system parameters:

1. Number of IP phones deployed: \_\_\_\_\_

## Keysystem or PBX

Record whether the system configuration will be a keysystem or PBX. If you need to configure extensions for inside calls, as well as outside PSTN calls, choose *PBX*. For outside PSTN calls only, choose *Keyssystem*.

2. Keysystem or PBX: \_\_\_\_\_

## Typical or Custom

Record whether the configuration type will be typical or custom. To configure voice only, choose typical. To customize IP addressing, choose custom.

3. Typical or Custom: \_\_\_\_\_

## DHCP Address Information

Assigns IP addresses to all IP phones.

## Common Information

Record the following information for a **group** of phones here:

4. DHCP network IP address: \_\_\_\_\_
5. DHCP network mask: \_\_\_\_\_
6. DHCP excluded address (from): \_\_\_\_\_
7. DHCP excluded address (to): \_\_\_\_\_
8. CME router IP address: \_\_\_\_\_
9. CME router subnet: \_\_\_\_\_

## Individual Information

Record the following information for **each** phone (use additional sheets):

10. Type of IP phone: \_\_\_\_\_
11. MAC address of the phone: \_\_\_\_\_

## Voicemail Parameters

Record the following voicemail parameters.

12. Voicemail system type: \_\_\_\_\_



**Note** If you are using Cisco CUE voicemail, fill-in numbers 13 through 19, otherwise skip to Phone Setup Information.

13. Number of Cisco CUE licenses (mailboxes): \_\_\_\_\_
14. IP address of CUE voicemail server: \_\_\_\_\_
15. Auto Attendant pilot number: \_\_\_\_\_
16. Voicemail access number: \_\_\_\_\_
17. Voicemail timeout: \_\_\_\_\_
18. Message Waiting Indicator (MWI) On number: \_\_\_\_\_
19. Message Waiting Indicator (MWI) Off number: \_\_\_\_\_

## Advanced Features

Record the following information for advanced features.

20. Number of paging groups: \_\_\_\_\_
21. Paging group extension numbers: \_\_\_\_\_
22. Intercom: \_\_\_\_\_
23. Number of park slots: \_\_\_\_\_
24. Park slot extension numbers: \_\_\_\_\_
25. Number of hunt groups: \_\_\_\_\_
26. Hunt timeout: \_\_\_\_\_
27. Hunt group pilot number: \_\_\_\_\_
28. Hunt type: \_\_\_\_\_
29. Forward to VM?: \_\_\_\_\_
30. Caller ID block code: \_\_\_\_\_ \*

# 3 Phone Setup Information

First, check with your network administrator, then record the following information for the phones. The maximum number of phones is platform- and version-dependent.

31. Dual-line?: \_\_\_\_\_
32. First extension number for IP phones: \_\_\_\_\_
33. Full e.164 phone number of first phone if using DID: \_\_\_\_\_
34. IP address of router where phones are connected to: \_\_\_\_\_

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## 4 Sample Configuration

**General System Information**

Company Name: Cisco Systems, Inc. Router's Host Name: CME 3825

1 → How Many IP Phones going to be Deployed for this site? 168

Administrator User ID: admin Administrator Password: admin

Time Zone: GMT-8 (Pacific) Daylight Saving

Save Generated Configuration to the Start-Up config on the router

**System Type Configuration**

How will the system be configured?

2 →  Configure as a keyssystem (square mode)

3 →  Configure as a PBX

Select configuration type:

3 →  Typical Configuration (Recommended)

3 →  Custom Configuration

**General Phone Parameters**

33 → First Extension Number: 2001 dual-line  32

**Network Parameters**

4 → DHCP Network IP Address: 10.1.20.0 Subnet Mask: 255.255.255.0 5

6 → DHCP Excluded Address: 10.1.20.1 to 10.1.20.10 7

8, 35 → CME IP Address: 10.1.20.1 Subnet Mask: 255.255.255.0 9

NTP Server 1 IP Address: NTP Server 2 IP Address:

**Voicemail Parameters**

Will a Cisco Voice Mail System Be Used?

12 → Voice Mail System Type: Cisco Unity Express

13 → CUE Feature License: 12 Mailboxes CUE IP Address: 10.1.20.2 14

15 → Auto Attendant Pilot Number: 6001

16 → Voicemail Access Number: 6000 Timeout: 15 Seconds 17

18 → MWI ON Number: 8000 MWI OFF Number: 8001 19

**Paging Parameters**

20 → Number of Paging Groups: 2

21 → Paging Group Extension Numbers: 1001 1002

**Call Park Parameters**

23 → Number of Park Slots: 4

24 → Park Slot Extension Numbers: 7001 7002 7003 7004

**Hunt Group Parameters**

25 → Number of Hunt Groups: 1 Hunt Timeout: 8 seconds 26

27 → Hunt Group Pilot Number 1: 5001 Hunt Type: Sequential Forward to VM  28

29 →

**Caller ID Blocking Parameters**

30 → Caller ID Block Code: \*123

## Additional Information

For more information about the requirements listed in this card, refer to the following publications:

- *Installing Cisco Business Communications Solution Verified Designs*
- *Cisco CallManager Express Systems Administrator's Guide*

You can also access Cisco product documentation on the World Wide Web URL <http://www.cisco.com>.