



APPENDIX **A**

Sample Hosted Unified Communications Services Build of Materials

This section covers the standard bill of materials (BOM) for Hosted Unified Communications Services (Hosted UCS) platforms. Each platform BOM differs based on the special requirements of each deployment.

This appendix contains the following sections:

- [BOM Tool, page A-1](#)
- [BOM Examples, page A-1](#)

BOM Tool

Cisco and VisionOSS have developed a special BOM tool that calculates the equipment requirements for a set of unique requirements. Users enter their requirements into a spreadsheet and the BOM Tool calculates the equipment requirements. This tool is available from the Cisco Hosted UCS product manager.

BOM Examples

This section contains the following topics:

- [Reference Platform BOM Example, page A-1](#)
- [Production BOM Example, page A-2](#)

Reference Platform BOM Example

[Table A-1](#) contains a high-level BOM example for reference platforms.

Table A-1 *High-Level BOM Example for Reference Platforms*

Hardware Item	Hardware Platform	Vendor	Quantity
Cisco Unified CM	MCS 7845	Cisco	2
PGW2200	Dual Netra X4200 (Dual AC PSU)	Sun	1
HSI	Dual Netra X4200 (Dual AC PSU)	Sun	1

Table A-1 High-Level BOM Example for Reference Platforms

Gatekeeper	2851 VSEC Bundle	Cisco	1
PSTN gateway	AS5400XM	Cisco	1
Distribution switch	Catalyst 3750-48 Port	Cisco	1
Line-powered switch	Catalyst 3750 POE	Cisco	1
IP Phones (testing)	7900, 6900, 8900, 9900 series	Cisco	16
USM provisioning	m2010-FT series servers	VisionOSS	2
Flat-panel display, keyboard, and mouse drawer unit	Tbc	tbc	1
KVM switch	Tbc	tbc	1
Power distribution	Tbc	tbc	1
24 U mobile rack unit	Tbc	tbc	1
Mobile shipping container for mobile rack	Tbc	tbc	1
Rack storage unit	Tbc	tbc	1

Production BOM Example

This section provides an example of a BOM for a 5000-seat Hosted UCS production platform (with licenses to 1000 ports), software licenses for UC applications, call aggregation and Voss USM.


Note

Refer to Cisco and VisionOSS for the latest BOM Excel worksheets.

Table A-2 shows a sample BOM for the Cisco PGW 2200.

Table A-2 PGW 2200

Product	Description	Qty
PGW2200	Cisco PGW 2200 Softswitch Server Pair	1
SWP22-CCX-RTU	PGW 2200 (Call Control) Voice or Dial RTU License, 1k Ports	1
SFB22-CC-9.7.3	PGW 2200 Application Software Ver 9.6(1) on CD	1
MGC-X42K-AC216-2	Dual Netra X4200 Server (Dual AC PSU), 2 CPU, 16 GB RAM	1
SWP22-H323-RTU	PGW 2200 H.323 Per Call leg Run Time License, 2k Call Legs	1
SWP22-SIP-RTU	PGW 2200 SIP Per Call leg Run Time License, 2k Call Legs	1
SFB22-PBX	PGW 2200 PBX Interface (DPNSS/QSIG) Right-to-Use License	1

Table A-3 shows a sample BOM for the Cisco Unified CM 7.1.5.

Table A-3 Cisco Unified Communications Manager 7.1.5

Product	Description	Qty
CUCM-USR-LIC	Unified Connect Licensing - Top Level part Number For Ordering	1

Table A-3 Cisco Unified Communications Manager 7.1.5

MCS7845H2-K9-CMB2	Unified CM 7.1 7845-H2	3
LIC-CUCM-USR	UCL - 1 Enhanced User	5000
CUCM-7845-71	Cisco Unified CM 7.1 7845	3

Table A-4 shows a sample BOM for the HSI.

Table A-4 HSI

Product	Description	Qty
SFBHSI-4.3	HSI Application Software v4.3	2
MGC-X42K-AC216-1	Dual Netra X4200 Server (Dual AC PSU), 2 CPU, 16 GB RAM	2

Table A-5 shows a sample BOM for the media gateway.

Table A-5 Media Gateway

Product	Description	Qty
AS54XM-16T1-V-HC	AS5400XM High-Density Voice; 16T1, 16 AS5X-PVDM2-64,IP+ IOS	2

Table A-6 shows a sample BOM for the gatekeeper.

Table A-6 Gatekeeper

Product	Description	Qty
C2851-VSEC-CUBE/K9	2851 VSEC Bundle w/PVDM2-48,FL-CUBE-125,AVS,64F/256D	2

Table A-7 shows a sample BOM for the Gateway.

Table A-7 Gateway

Product	Description	Qty
C2911-VSEC-SRE/K9	Cisco 2911 SRE Bundle, SRE 300, PVDM3-16, UC and SEC License PAK	2

Table A-8 shows a sample BOM for USM provisioning.

Table A-8 USM Provisioning

Product	Description	Qty
VOSS-Server HW	VOSS-Server m2010-FT	4
VUSM-1KUSR-EE	VOSS-USM 1000 User Essential Edition Feature License	5
VUSM-MS-1Y-1K-EE=	VOSS-USM 1000 User License - Essential Ed. 1 Year 24 by 7 Maint. Support	5

Table A-9 shows a sample BOM for the core LAN switch and firewall.

Table A-9 **Core LAN Switch and Firewall**

Product	Description	Qty
WS-C3750G-48TS-S	Catalyst 3750 48 10/100/1000T + 4 SFP + IPB Image	2

Table A-10 shows a sample BOM for various options.

Table A-10 **Options**

Product	Description	Qty
BAMS	Billing and Measurement Server	tbc
SLT	SS7 Signaling Gateway	tbc
Voice mail	Movius Mereon	tbc
Auto Attendant	Movius Auto Attendant	
Ancillary equipment	KMV switch, monitors, keyboards, cabling	tbc
Phones	Cisco phones	tbc
Catalyst 3560	Edge Devices—Ethernet ports (line-powered)	tbc