



Preface

Revised: July 21, 2010, OL-1089-18

This preface describes the objectives of this document and explains how to find additional information on related products and services. It contains the following sections:

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Document Objective

This guide provides billing information for the Cisco PGW 2200 Softswitch software Release 9. You should read the system-level documentation supplied with your system before using this guide. A complete list of these documents is included in the *Cisco PGW 2200 Softswitch Release 9 Installation and Configuration Guide* that ships with your system.

Audience

The audience for this document is network operators and administrators. This audience is assumed to have experience in telecommunications networks, protocols, and equipment, and a familiarity with data communications networks, protocols, and equipment.

Related Documentation

This document contains information that is related to Cisco PGW 2200 Softswitch billing parameters. For additional information on the Cisco PGW 2200 Softswitch, see the documents at this URL:

http://www.cisco.com/en/US/products/hw/vcallcon/ps2027/tsd_products_support_series_home.html

You can find the *Cisco PGW 2200 Softswitch Documentation Map* at the following URL:

http://www.cisco.com/en/US/products/hw/vcallcon/ps2027/products_documentation_roadmaps_list.html

Other useful reference publications include

- Overviews of the related telephony solutions—Describe the Cisco telephony solutions with which the Cisco PGW 2200 Softswitch node is associated
- Provisioning guides for the related telephony solutions—Describe the provisioning steps for the Cisco telephony solutions with which the Cisco PGW 2200 Softswitch node is associated
- Solution gateway installation and configuration guides—Describe the steps for installing and configuring the media gateway for a particular Cisco telephony solution
- *Cisco IP Transfer Point - LinkExtender*—Describes the Cisco IP Transfer Point - LinkExtender (Cisco IPT-L, formerly known as the Cisco Signaling Link Terminal or Cisco SLT) and provides configuration information

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS Version 2.0.

Document Change History

Release Number	Document Number	Change Date	Change Summary
Tag Revision	OL-1089-18		<ul style="list-style-type: none"> • Added tags 4114, 4115, 4116, 4117, 4118, 4119, 4120, 4121, 4122, 4123, 4124, and 4125
Tag revisions	OL-1089-17	May 2010	<ul style="list-style-type: none"> • Modified tag 4081
Tag revisions	OL-1089-16	October 2009	<ul style="list-style-type: none"> • Added tags 4255, 4256, 4257, 4258
Tag revisions	OL-1089-15	August 2009	<ul style="list-style-type: none"> • Added tags 4021 and 4022
Tag revisions	OL-1089-14	June 2009	<ul style="list-style-type: none"> • Modified description of tags 4207 and 4208 • Added tag 4059
Tag revisions	OL-1089-13	June 2009	<ul style="list-style-type: none"> • Modified tags 4052 and 4053 • Added tags 4057 and 4058
Tag revisions	OL-1089-12	February, 2009	<ul style="list-style-type: none"> • Throughout the document—Updated tags for Release 9.8. • Throughout the document—Incorporated editorial comments to improve readability. • In Chapter 2, “MGC Info Sub-fields,” added a clarifying note to indicate that the MGC Info field is disabled as of Release 7.3.x, 7.4.x.

Release Number	Document Number	Change Date	Change Summary
Tag revisions	OL-1089-11	December, 2007	<ul style="list-style-type: none"> Updated tags in Release 9.6, 9.7.
Tag revisions	OL-1089-11	October, 2007	<ul style="list-style-type: none"> Added tags 4246, 4247, and 4248
Tag revisions	OL-1089-11	April 9, 2007	<ul style="list-style-type: none"> Modified information for tags 4201 and 4202. Added tags 4236, 4238, 4239, 4240, 4242, 4243, 4244, and 4245.
Tag revisions	OL-1089-10	March 31, 2006	<ul style="list-style-type: none"> Modified information for tags 4098 and 4099 for the Support for DSP Voice Quality Statistics feature. Modified information for tags 4078, 4080, and 6000.
Tag revisions	OL-1089-10	August 5, 2005	<ul style="list-style-type: none"> Modified information for tags 4011, 4049, 4050, 4087, 4088, 4215, 4221, and 4223–4225. Added tags 2018-2020, 3018-3020, 4227-4233, and 4237. Modified definitions for CDBs 1070 and 1071. Added CDBs 1210 and 1260
Tag revisions	OL-1089-09	September 23, 2004	<ul style="list-style-type: none"> Added the 1071 CDB. Added tags 4234 and 4235. Removed CDB information from individual tag tables.
Tag revisions	OL-1089-09	May 17, 2004	<ul style="list-style-type: none"> Modified the description of the 1060 CDB. Retired tag 4045. Modified information for tags 4044 and 4073. Added tags 4083–4097, 4213–4226, and 6005.
Tag revisions	OL-1089-08	January 9, 2004	<ul style="list-style-type: none"> Restored tags 4046 and 4047.
Tag revisions	OL-1089-08	December 3, 2003	<ul style="list-style-type: none"> Modified the description of the 1060 CDB. Reordered the tags, placing them in numeric order. Modified the retirement information for tag 3004. Modified release information for tags 4052 and 4053. They are now listed as “defined for future use.” Added tags 4098 and 4099, which are part of a Release 9.4(1) patch.
Tag revisions	OL-1089-08	August 18, 2003	<ul style="list-style-type: none"> Added tags 4204–4212. Retired tag 4033.
Tag revisions	OL-1089-07	June 30, 2003	<ul style="list-style-type: none"> Added data value information for tags 4030 and 4044. Modified the release in which the 3004 tag was retired.

Release Number	Document Number	Change Date	Change Summary
Tag revisions	OL-1089-07	June 27, 2003	<ul style="list-style-type: none"> • Modified CDB information for tag 4081. • Modified descriptions for the following tags: <ul style="list-style-type: none"> – 2006, 2009, 2010, and 2014 – 2017, 3001, 3002, and 3006 – 3009, 3010, 4048, and 4060 • Modified data values for the following tags: <ul style="list-style-type: none"> – 2011, 2012, 2014, and 2016 – 4013 and 4038—4040 – 4066—4068 and 4070—4072 – 4074—4077, 6000, and 6004 • Modified information and data values for tags 6100—6104.
Tag revisions	OL-1089-07	March 14, 2003	<ul style="list-style-type: none"> • Modified information for tags 2005, 2007, 3007, and 4014. • Added tags 4034–4037, 4068, and 4072 to the 1110 CBD.
Tag revisions	OL-1089-07	January 20, 2003	<ul style="list-style-type: none"> • Corrected the octet length information for tags 3011, 3012, 4032, and 4033. • Added an appendix that identifies the CDR changes by release.
Tag revisions	OL-1089-07	December 9, 2002	<ul style="list-style-type: none"> • Updated the information for tag 3013. • Changed the CDB information for tag 4081.
Tag revisions	OL-1089-06	October 9, 2002	<ul style="list-style-type: none"> • Added CDE and CDB information for tag 4082. • Expanded data value content of the 3008 tag to include detailed cause code information.
Tag revisions	OL-1089-06	September 19, 2002	<ul style="list-style-type: none"> • Corrected data value information for tags 4032 and 4033.
Tag revision	OL-1089-06	September 5, 2002	<ul style="list-style-type: none"> • Corrected the data value information for tag 4048.
Tag revisions	OL-1089-06	August 20, 2002	<ul style="list-style-type: none"> • Corrected CDB information for tags 3001, 4078, 4079, and 4080.

Release Number	Document Number	Change Date	Change Summary
Tag revisions	OL-1089-06	August 16, 2002	<ul style="list-style-type: none"> Added data value information to the 3000 series tags from Q.763. Identified tags 3002, 3004, 4046, and 4047 as retired. Corrected the CBD information for tags 4052 and 4053. Corrected descriptions for tags 4066–4068, 4070–4072, and 4074–4076. Modified the data value information for the 4100 series tags to indicate Cisco PGW 2200 Softswitch time. Modified the data value information for ANSI Nature of Address tags to indicate that the first value is spare. Modified tags to indicate that the maximum ANSI number is 2¹⁴.
Tag revisions	OL-1089-06	July 10, 2002	<ul style="list-style-type: none"> Updated CDB values for tags 4078, 4079, and 4081. Updated CDB values for tags 4077 and 4080.
New template	OL-1089-06	July 1, 2002	<ul style="list-style-type: none"> Updated this document with the current user documentation template.
Tag revisions	OL-1089-06	July 1, 2002	<ul style="list-style-type: none"> Removed Tag 5000 from the listings for CDBs 1090 and 1100. Replaced Tag 6001 in CDB 1100 with Tag 6002. Added MGCP as a valid interface in Tags 4069 and 4073.
Tag revisions	OL-1089-06	May 15, 2002	<ul style="list-style-type: none"> Added Tags 4078 through 4081.
Revised Table 1-2	OL-1089-05	April 3, 2002	<ul style="list-style-type: none"> Removed references to Tags 4064 and 4065.
Tag revisions	OL-1089-04	March 22, 2002	<ul style="list-style-type: none"> Revised data value and general information for Tags 4034 through 4037.
Tag revisions	OL-1089-03	November 27, 2001	<ul style="list-style-type: none"> Revised text for last bullet on page 1-7 and on page 1-8. Removed “(retired in Release 9.0(1))” for Tag 2017 and Tag 3017. Added Tag 4203. Removed Tag 4064 and Tag 4065.

Release Number	Document Number	Change Date	Change Summary
ASCII output	OL-1089-02	November 16, 2001	<ul style="list-style-type: none"> Removed references to ASCII output on page 1-2 to page 1-4. Removed Table 1-1 on page 1-11. Removed CdrDmpr.callDetail row in Table 1-6 on page 1-11. Removed Trigger Interface section on page 1-18.
—	OL-1089-01	October 18, 2001	Initial release