Preface

This guide describes the alarms issued by the various components of MWTM 6.1.3.

Organization

This guide contains the following chapters:

- Chapter 1, "Common Alarms"
- Chapter 2, "BWG Alarms"
- Chapter 3, "CSG1 Alarms"
- Chapter 4, "CSG2 Alarms"
- Chapter 5, "GGSN Alarms"
- Chapter 6, "HA Alarms"
- Chapter 7, "IP-RAN Alarms"
- Chapter 8, "ITP Alarms"
- Chapter 9, "PCRF Alarms"
- Chapter 10, "PDNGW Alarms"
- Chapter 11, "PDSN Alarms"
- Chapter 12, "SGW Alarms"

Conventions

This document uses the following conventions:

Convention	Indication
bold font	Commands and keywords and user-entered text appear in **bold** font.
italic font	Document titles, new or emphasized terms, and arguments for which you supply values are in *italic* font.
[ ]	Elements in square brackets are optional.

{x	y	z }	Required alternative keywords are grouped in braces and separated by vertical bars.
[x	y	z]	Optional alternative keywords are grouped in brackets and separated by vertical bars.
string	A nonquoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks.
courier font	Terminal sessions and information the system displays appear in courier font.
< >	Nonprinting characters such as passwords are in angle brackets.
[ ]	Default responses to system prompts are in square brackets.
!, #	An exclamation point (!) or a pound sign (#) at the beginning of a line of code indicates a comment line.

Note   Means *reader take note*.

Tip   Means *the following information will help you solve a problem.*

Caution   Means *reader be careful*. In this situation, you might perform an action that could result in equipment damage or loss of data.

Timesaver   Means *the described action saves time*. You can save time by performing the action described in the paragraph.

Warning   **Means *reader be warned*. In this situation, you might perform an action that could result in bodily injury.**

Related Documentation

Related MWTM documentation includes:

- Additional MWTM Documentation
- ITP Documentation
- IP-RAN Documentation
- mSEF Documentation

Additional MWTM Documentation

Additional MWTM documentation can be found on Cisco.com:

http://www.cisco.com/en/US/products/ps6472/tsd_products_support_series_home.html

The MWTM includes a browser-based online help system that is searchable and supports bookmarking of favorite content.

ITP Documentation

Cisco IP Transfer Point (ITP)

Information about Cisco IP Transfer Point (ITP) software, including procedures for configuring ITP nodes, can be found on Cisco.com:

http://www.cisco.com/en/US/products/sw/wirelssw/ps1862/products_feature_guides_list.html

Information about the Cisco ITPs can be found in the documentation that shipped with the ITP.

IP-RAN Documentation

Cisco IP Radio Access Network (IP-RAN)

For information about IP-RAN, visit these websites:

http://www.cisco.com/en/US/netsol/ns675/networking_solutions_solution_category.html

http://www.cisco.com/en/US/products/hw/routers/ps368/tsd_products_support_series_home.html

Information about Cisco IPRAN nodes, including procedures for configuring IPRAN objects, can be found on Cisco.com:

- Cisco MWR 1900 Series:

http://www.cisco.com/en/US/products/hw/optical/ps2006/products_installation_and_configuration_guides_list.html

- Cisco MWR 2900 Series:

http://www.cisco.com/en/US/products/ps9395/prod_installation_guides_list.html

- Cisco 3800 Series:

http://www.cisco.com/en/US/products/hw/optical/ps2006/products_installation_and_configuration_guides_list.html

- Cisco ME 3400 Series:

http://www.cisco.com/en/US/products/ps6580/products_installation_and_configuration_guides_list.html

- Cisco ONS 15454:

http://www.cisco.com/en/US/products/hw/optical/ps2006/products_installation_and_configuration_guides_list.html

- Cisco 7600 Series:

http://www.cisco.com/en/US/products/hw/optical/ps2006/products_installation_and_configuration_guides_list.html

mSEF Documentation

Information about mSEF documentation can be found on Cisco.com:

Cisco Gateway GPRS Support Node (GGSN)

For information about GGSN, visit these websites:

http://www.cisco.com/en/US/products/sw/wirelssw/ps873/index.html

Cisco Home Agent (HA)

For information about HA, visit these websites:

http://www.cisco.com/en/US/products/ps6506/index.html

http://www.cisco.com/en/US/products/ps6506/tsd_products_support_series_home.html

Cisco Content Services Gateway (CSG)

For information about CSG, visit these websites:

http://www.cisco.com/en/US/products/sw/wirelssw/ps779/index.html

Cisco Broadband Wireless Gateway (BWG)

For information about BWG, visit these websites:

http://www.cisco.com/en/US/products/ps8738/index.html

Cisco Packet Data Serving Node (PDSN)

For information about PDSN, visit these websites:

http://www.cisco.com/en/US/products/sw/wirelssw/ps4341/index.html

Server Load-Balancing/Exchange Director

http://www.cisco.com/en/US/products/hw/modules/ps2706/products_installation_and_configuration_guides_list.html

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.