CHAPTER 10

PDNGW Alarms

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This chapter contains a list of the alarms for the Packet Data Network Gateway (PDNGW) that the Cisco Mobile Wireless Transport Manager 6.1.3 supports.

Table 10-1 PDNGW Alarms

Name	Source	Type	Auto Clear	Severity	Message Text
APN-ConfigModified	Trap	Alarm	No	Warning	$NodeDisplayName -- The APN configuration was modified.
APN-UpstreamSecurityViolation	Trap	Alarm	No	Warning	$NodeDisplayName -- Upstream security violation.
APN-DownstreamSecurityViolation	Trap	Alarm	No	Warning	$NodeDisplayName -- Downstream security violation.
APN-ServiceMode	Trap	Alarm	Yes	Major	$NodeDisplayName -- The APN is in maintenance mode.
	Trap	Alarm	Yes	Normal	$NodeDisplayName -- The APN is in service.
	Poll	Alarm	Yes	Major	$NodeDisplayName -- The APN is in maintenance mode.
ChargingGatewayMaintenanceMode	Trap	Alarm	Yes	Normal	$NodeDisplayName -- The charging gateway is in service.
	Trap	Alarm	Yes	Major	$NodeDisplayName -- The charging gateway is in maintenance mode.
	Poll	Alarm	Yes	Normal	$NodeDisplayName -- The charging gateway is in service.
	Poll	Alarm	Yes	Major	$NodeDisplayName -- The charging gateway is in maintenance mode.
ChargingGatewayState	Trap	Alarm	Yes	Critical	$NodeDisplayName -- The charging gateway is down.
	Trap	Alarm	Yes	Normal	$NodeDisplayName -- The charging gateway is up.

Table 10-1 PDNGW Alarms (continued)

Name	Source	Type	Auto Clear	Severity	Message Text
ChargingGatewaySwitchover	Trap	Alarm	No	Major	$NodeDisplayName -- The charging gateway switched from $cgprsCgOldChgGatewayAddress to $cgprsCgActiveChgGatewayAddress
GTPPathFailed	Trap	Alarm	No	Major	$NodeDisplayName -- Peer ($cGtpLastNoRespToEchoGSNIpAddr) failed to respond to the GTP Echo Request.
DCCARatingFail	Trap	Alarm	No	Major	$NodeDisplayName -- The Credit Control Server cannot rate a service request for $cGgsnNotifPdpImsi / $cGgsnNotifPdpMsisdn
DCCAServiceDenied	Trap	Alarm	No	Major	$NodeDisplayName -- The Credit Control Server denied a service request due to service restrictions for $cGgsnNotifPdpImsi / $cGgsnNotifPdpMsisdn
CSGState	Trap	Alarm	Yes	Critical	$NodeDisplayName -- The CSG is down.
	Trap	Alarm	Yes	Normal	$NodeDisplayName -- The CSG is up.
DCCACreditLimitReached	Trap	Alarm	No	Major	$NodeDisplayName -- Credit limit reached for $cGgsnNotifPdpImsi / $cGgsnNotifPdpMsisdn.
DCCAUserUnknown	Trap	Alarm	No	Major	$NodeDisplayName -- User is unknown in the Credit Control Server $cGgsnNotifPdpImsi / $cGgsnNotifPdpMsisdn.
DCCAAuthReject	Trap	Alarm	No	Major	$NodeDisplayName -- The Credit Control Server rejected authorization of user $cGgsnNotifPdpImsi / $cGgsnNotifPdpMsisdn.
GWServiceState	Trap	Alarm	Yes	Critical	$NodeDisplayName -- The gateway service is shutdown. Reason: $cGgsnHistNotifInfo.
	Trap	Alarm	Yes	Normal	$NodeDisplayName -- The gateway service is started. Reason: $cGgsnHistNotifInfo.

Table 10-1 PDNGW Alarms (continued)

Name	Source	Type	Auto Clear	Severity	Message Text
APN-NoResources	Trap	Alarm	No	Major	$NodeDisplayName -- Resources to continue the gateway service have been exhausted because the maximum number of PDP contexts has been reached. Reason: $cGgsnHistNotifInfo
GWMaintenanceMode	Trap	Alarm	Yes	Major	$NodeDisplayName -- The gateway is in maintenance mode.
	Trap	Alarm	Yes	Normal	$NodeDisplayName -- The gateway is in service.
	Poll	Alarm	Yes	Major	$NodeDisplayName -- The gateway is in maintenance mode.
	Poll	Alarm	Yes	Normal	$NodeDisplayName -- The gateway is in service.
APN-NoRadius	Trap	Alarm	No	Major	$NodeDisplayName -- No RADIUS server is configured.
GWMemoryThreshold	Trap	Alarm	Yes	Normal	$NodeDisplayName -- The gateway memory threshold is cleared. The gateway memory overload protection mechanism is disengaged.
	Trap	Alarm	Yes	Critical	$NodeDisplayName -- The gateway memory threshold is reached. The gateway memory overload protection mechanism is engaged.
APN-IpAllocationFail	Trap	Alarm	No	Major	$NodeDisplayName -- IP address allocation failed.
APN-Unreachable	Trap	Alarm	No	Critical	$NodeDisplayName -- Access point is not reachable.
MapSgsnDown	Trap	Alarm	No	Major	$NodeDisplayName -- MAP-SGSN service is shutdown.
MapSgsnUp	Trap	Alarm	No	Normal	$NodeDisplayName -- MAP-SGSN service is started.
NoDHCPServer	Trap	Alarm	No	Major	$NodeDisplayName -- No DHCP server is configured.
APN-AuthenticationFail	Trap	Alarm	No	Minor	APN $ApnDisplayName on gateway $NodeDisplayName -- A PDP activation failed because of an authentication failure.
APN-CCRInitFail	Trap	Alarm	No	Minor	APN $ApnDisplayName on gateway $NodeDisplayName -- The TX timer expired before getting a CCR (initial) response.

Table 10-1 PDNGW Alarms (continued)

Name	Source	Type	Auto Clear	Severity	Message Text
APN-QuotaPushFail	Trap	Alarm	No	Minor	APN $ApnDisplayName on gateway $NodeDisplayName -- Quota Push failed to the CSG quota server. Reason: $cGgsnHistNotifInfo
APN-ConfigCreated	Trap	Alarm	No	Warning	APN $ApnDisplayName on gateway $NodeDisplayName -- The APN configuration was created.
APN-ConfigDeleted	Trap	Alarm	No	Warning	APN $ApnDisplayName on gateway $NodeDisplayName -- The APN configuration was deleted.
ChargingTransferState	Trap	Alarm	Yes	Major	$NodeDisplayName -- The gateway has repeatedly failed to receive responses for the data record transfer request messages from the charging gateway.
	Trap	Alarm	Yes	Normal	$NodeDisplayName -- The gateway has successfully sent data record transfer request messages to the charging gateway.
ChargingCapacityState	Trap	Alarm	Yes	Major	$NodeDisplayName -- The gateway is out of memeory and has failed to buffer a G-CDR internally.
	Trap	Alarm	Yes	Normal	$NodeDisplayName -- The gateway is able to buffer G-CDRs after the failure to buffer G-CDRs.
ChargingGatewayEchoState	Trap	Alarm	Yes	Major	$NodeDisplayName -- The gateway has repeatedly failed to receive the echo response messages from the charging gateway for the echo request message.
	Trap	Alarm	Yes	Normal	$NodeDisplayName -- The gateway received an echo response from the charging gateway.
ChargingCDRBufferState	Trap	Alarm	Yes	Major	$NodeDisplayName -- The gateway has discarded G-CDRs.
	Trap	Alarm	Yes	Normal	$NodeDisplayName -- The gateway has started buffering G-CDRs after G-CDRs have been discarded.
ChargingState	Trap	Alarm	Yes	Major	$NodeDisplayName -- The charging transactions on the gateway are disabled.
	Trap	Alarm	Yes	Normal	$NodeDisplayName -- The charging transactions on the gateway are enabled.

Table 10-1 PDNGW Alarms (continued)

Name	Source	Type	Auto Clear	Severity	Message Text
DiameterPeerConnectionState	Trap	Alarm	Yes	Major	$NodeDisplayName - The diameter peer $cdbpPeerId state is down.
	Trap	Alarm	Yes	Normal	$NodeDisplayName - The diameter peer $cdbpPeerId state is up.
	Poll	Alarm	Yes	Major	$NodeDisplayName - The diameter peer $cdbpPeerId state is down.
	Poll	Alarm	Yes	Normal	$NodeDisplayName - The diameter peer $cdbpPeerId state is up.
	Poll	Alarm	Yes	Normal	$NodeDisplayName - The diameter peer $cdbpPeerId state is up.
	Poll	Event	Yes	Informational	$NodeDisplayName - The diameter peer $cdbpPeerId state is waitConnAck.
	Poll	Event	Yes	Informational	$NodeDisplayName - The diameter peer $cdbpPeerId state is waitICEA.
	Poll	Event	Yes	Informational	$NodeDisplayName - The diameter peer $cdbpPeerId state is elect.
	Poll	Event	Yes	Informational	$NodeDisplayName - The diameter peer $cdbpPeerId state is waitReturns.
	Poll	Event	Yes	Informational	$NodeDisplayName - The diameter peer $cdbpPeerId state is closing.
DiameterPermanentFailure	Trap	Alarm	No	Major	$NodeDisplayName -- The number of protocol permanent failures for the diameter peer $cdbpPeerId has increased.
DiameterProtocolError	Trap	Alarm	No	Major	$NodeDisplayName -- The number of protocol errors returned to the diameter peer $cdbpPeerId has increased.
DiameterTransientFailure	Trap	Alarm	No	Major	$NodeDisplayName -- The number of protocol transient failures for the diameter peer $cdbpPeerId has increased.

Table 10-1 PDNGW Alarms (continued)

Name	Source	Type	Auto Clear	Severity	Message Text
EPC-GW-CongestionState	Trap	Alarm	Yes	Normal	$NodeDisplayName -- The EPC Gateway congestion status is $cegCongestionStatus.
	Trap	Alarm	Yes	Major	$NodeDisplayName -- The EPC Gateway congestion status is $cegCongestionStatus. This gateway is rejecting all new calls.
	Trap	Alarm	Yes	Minor	$NodeDisplayName -- The EPC Gateway congestion status is $cegCongestionStatus. This gateway is rejecting low priority calls.
	Poll	Alarm	Yes	Normal	$NodeDisplayName -- The EPC Gateway congestion status is normal.
	Poll	Alarm	Yes	Major	$NodeDisplayName -- The EPC Gateway congestion status is high. This gateway is rejecting all new calls.
	Poll	Alarm	Yes	Minor	$NodeDisplayName -- The EPC Gateway congestion status is low. This gateway is rejecting low priority calls.
EPC-QOS-MaxPdpExceeded	Trap	Alarm	No	Major	$NodeDisplayName -- The number of pdps on the gateway has reached the user-configured maximum of $cegqCacMaxPdpContext for the CAC policy $cegqCacMaxPdpContext_cegqCacPolicyName.
EPC-QOS-BearerRejected	Trap	Alarm	No	Major	$NodeDisplayName -- The gateway is rejecting bearers because they requested a higher bit rate than the user-configured maximum for a certain QCI class. Rate: $cegqCacQciBitRate
EPC-QOS-BearerDowngraded	Trap	Alarm	No	Minor	$NodeDisplayName -- The gateway is downgrading bearers because they requested a higher bit rate than the user-configured maximum for a certain QCI class. Rate: $cegqCacQciBitRate
EPC-QOS-MaxBandwidthReached	Trap	Alarm	No	Warning	$NodeDisplayName -- The bandwidth available is fully utilized. No more bearers can be admitted for this QCI class.

Table 10-1 PDNGW Alarms (continued)

Name	Source	Type	Auto Clear	Severity	Message Text
GTPReceivedMsgsRateThreshold	Poll	Alarm	Yes	Major	$NodeDisplayName - The rate of signalling messages received is $GGSNThresholdValue percent of the signalling throughput limit which is above the high threshold of $GGSNHighThreshold percent of the signalling throughput limit.
	Poll	Alarm	Yes	Warning	$NodeDisplayName - The rate of signalling messages received is $GGSNThresholdValue percent of the signalling throughput limit which is between the high threshold of $GGSNHighThreshold percent and the low threshold of $GGSNLowThreshold percent of the signalling throughput limit.
	Poll	Alarm	Yes	Normal	$NodeDisplayName - The rate of signalling messages received is $GGSNThresholdValue percent of the signalling throughput limit which is below the low threshold of $GGSNLowThreshold percent of the signalling throughput limit.

Table 10-1 PDNGW Alarms (continued)

Name	Source	Type	Auto Clear	Severity	Message Text
GTPUnexpectedMsgsThreshold	Poll	Alarm	Yes	Major	$NodeDisplayName - The number of unexpected signalling messages received is $GGSNThresholdValue percent of total signalling messages received which is above the high threshold of $GGSNHighThreshold percent of total signalling messages received.
	Poll	Alarm	Yes	Warning	$NodeDisplayName - The number of unexpected signalling messages received is $GGSNThresholdValue percent of total signalling messages received which is between the high threshold of $GGSNHighThreshold percent and the low threshold of $GGSNLowThreshold percent of total signalling messages received.
	Poll	Alarm	Yes	Normal	$NodeDisplayName - The number of unexpected signalling messages received is $GGSNThresholdValue percent of total signalling messages received which is below the low threshold of $GGSNLowThreshold percent of the total signalling messages received.

Table 10-1 PDNGW Alarms (continued)

Name	Source	Type	Auto Clear	Severity	Message Text
GPDUBytesSentRateThreshold	Poll	Alarm	Yes	Major	$NodeDisplayName - The rate of G-PDU bytes sent is $GGSNThresholdValue percent of the G-PDU bytes sent throughput limit which is above the high threshold of $GGSNHighThreshold percent of the G-PDU bytes sent throughput limit.
	Poll	Alarm	Yes	Warning	$NodeDisplayName - The rate of G-PDU bytes sent is $GGSNThresholdValue percent of the G-PDU bytes sent throughput limit which is between the high threshold of $GGSNHighThreshold percent and the low threshold of $GGSNLowThreshold percent of the G-PDU bytes sent throughput limit.
	Poll	Alarm	Yes	Normal	$NodeDisplayName - The rate of G-PDU bytes sent is $GGSNThresholdValue percent of the G-PDU bytes sent throughput limit which is below the low threshold of $GGSNLowThreshold percent of the G-PDU bytes sent throughput limit.

Table 10-1 PDNGW Alarms (continued)

Name	Source	Type	Auto Clear	Severity	Message Text
GPDUBytesReceivedRateThreshold	Poll	Alarm	Yes	Major	$NodeDisplayName - The rate of G-PDU bytes received is $GGSNThresholdValue percent of the G-PDU bytes received throughput limit which is above the high threshold of $GGSNHighThreshold percent of the G-PDU bytes received throughput limit.
	Poll	Alarm	Yes	Warning	$NodeDisplayName - The rate of G-PDU bytes received is $GGSNThresholdValue percent of the G-PDU bytes received throughput limit which is between the high threshold of $GGSNHighThreshold percent and the low threshold of $GGSNLowThreshold percent of the G-PDU bytes received throughput limit.
	Poll	Alarm	Yes	Normal	$NodeDisplayName - The rate of G-PDU bytes received is $GGSNThresholdValue percent of the G-PDU bytes received throughput limit which is below the low threshold of $GGSNLowThreshold percent of the G-PDU bytes received throughput limit.

Table 10-1 PDNGW Alarms (continued)

Name	Source	Type	Auto Clear	Severity	Message Text
RejectedPDPContextsThreshold	Poll	Alarm	Yes	Major	$NodeDisplayName - The number of rejected PDP contexts is $GGSNThresholdValue percent of total PDP contexts created which is above the high threshold of $GGSNHighThreshold percent of total PDP contexts created.
	Poll	Alarm	Yes	Warning	$NodeDisplayName - The number of rejected PDP contexts is $GGSNThresholdValue percent of total PDP contexts created which is between the high threshold of $GGSNHighThreshold percent and the low threshold of $GGSNLowThreshold percent of total PDP contexts created.
	Poll	Alarm	Yes	Normal	$NodeDisplayName - The number of rejected PDP contexts is $GGSNThresholdValue percent of total PDP contexts created which is below the low threshold of $GGSNLowThreshold percent of total PDP contexts created.
DroppedPDPContextsThreshold	Poll	Alarm	Yes	Major	$NodeDisplayName - The number of dropped PDP contexts is $GGSNThresholdValue percent of total PDP contexts created which is above the high threshold of $GGSNHighThreshold percent of total PDP contexts created.
	Poll	Alarm	Yes	Warning	$NodeDisplayName - The number of dropped PDP contexts is $GGSNThresholdValue percent of total PDP contexts created which is between the high threshold of $GGSNHighThreshold percent and the low threshold of $GGSNLowThreshold percent of total PDP contexts created.
	Poll	Alarm	Yes	Normal	$NodeDisplayName - The number of dropped PDP contexts is $GGSNThresholdValue percent of total PDP contexts created which is below the low threshold of $GGSNLowThreshold percent of total PDP contexts created.

Table 10-1 PDNGW Alarms (continued)

Name	Source	Type	Auto Clear	Severity	Message Text
ActiveGTPVersion0PDPsThreshold	Poll	Alarm	Yes	Major	$NodeDisplayName - The number of active GTP version 0 PDP contexts is $GGSNThresholdValue percent of the active GTP version 0 PDP contexts limit which is above the high threshold of $GGSNHighThreshold percent of the active GTP version 0 PDP contexts limit.
	Poll	Alarm	Yes	Warning	$NodeDisplayName - The number of active GTP version 0 PDP contexts is $GGSNThresholdValue percent of the active GTP version 0 PDP contexts limit which is between the high threshold of $GGSNHighThreshold percent and the low threshold of $GGSNLowThreshold percent of the active GTP version 0 PDP contexts limit.
	Poll	Alarm	Yes	Normal	$NodeDisplayName - The number of active GTP version 0 PDP contexts is $GGSNThresholdValue percent of the active GTP version 0 PDP contexts limit which is below the low threshold of $GGSNLowThreshold percent of the active GTP version 0 PDP contexts limit.

Table 10-1 PDNGW Alarms (continued)

Name	Source	Type	Auto Clear	Severity	Message Text
ActiveGTPVersion1PDPsThreshold	Poll	Alarm	Yes	Major	$NodeDisplayName - The number of active GTP version 1 PDP contexts is $GGSNThresholdValue percent of the active GTP version 1 PDP contexts limit which is above the high threshold of $GGSNHighThreshold percent of the active GTP version 1 PDP contexts limit.
	Poll	Alarm	Yes	Warning	$NodeDisplayName - The number of active GTP version 1 PDP contexts is $GGSNThresholdValue percent of the active GTP version 1 PDP contexts limit which is between the high threshold of $GGSNHighThreshold percent and the low threshold of $GGSNLowThreshold percent of the active GTP version 1 PDP contexts limit.
	Poll	Alarm	Yes	Normal	$NodeDisplayName - The number of active GTP version 1 PDP contexts is $GGSNThresholdValue percent of the active GTP version 1 PDP contexts limit which is below the low threshold of $GGSNLowThreshold percent of the active GTP version 1 PDP contexts limit.

Table 10-1 PDNGW Alarms (continued)

Name	Source	Type	Auto Clear	Severity	Message Text
G-CDRMessagesPendingThreshold	Poll	Alarm	Yes	Major	$NodeDisplayName - The number of G-CDR messages pending is $GGSNThresholdValue percent of the G-CDR messages pending limit which is above the high threshold of $GGSNHighThreshold percent of the G-CDR messages pending limit.
	Poll	Alarm	Yes	Warning	$NodeDisplayName - The number of G-CDR messages pending is $GGSNThresholdValue percent of the G-CDR messages pending limit which is between the high threshold of $GGSNHighThreshold percent and the low threshold of $GGSNLowThreshold percent of the G-CDR messages pending limit.
	Poll	Alarm	Yes	Normal	$NodeDisplayName - The number of G-CDR messages pending is $GGSNThresholdValue percent of the G-CDR messages pending limit which is below the low threshold of $GGSNLowThreshold percent of the G-CDR messages pending limit.
IPLocalPoolThreshold	Trap	Event	No	Informational	$NodeDisplayName - IP local pool threshold exceeded. Used addresses = $cIpLocalPoolStatInUseAddrs. Available addresses = $cIpLocalPoolStatFreeAddrs .
	Trap	Event	No	Informational	$NodeDisplayName - IP local pool threshold abated. Used addresses = $cIpLocalPoolStatInUseAddrs. Available addresses = $cIpLocalPoolStatFreeAddrs .
	Trap	Event	No	Informational	$NodeDisplayName - IP local pool threshold exceeded. Used addresses = $cIpLocalPoolStatInUseAddrs. Available addresses = $cIpLocalPoolStatFreeAddrs .

Table 10-1 PDNGW Alarms (continued)

Name	Source	Type	Auto Clear	Severity	Message Text
ApnInstanceState	Poll	Event	No	Normal	APN $ApnDisplayName on gateway $NodeDisplayName added in state Active/$ApnInstanceStateReason.
	Poll	Event	No	Informational	APN $ApnDisplayName on gateway $NodeDisplayName added in state $ApnInstanceState/$ApnInstanceStateReason.
	Poll	Event	No	Normal	APN $ApnDisplayName on gateway $NodeDisplayName changed state from $ApnInstanceLastState to Active/$ApnInstanceStateReason.
	Poll	Event	No	Informational	APN $ApnDisplayName on gateway $NodeDisplayName changed state from $ApnInstanceLastState to $ApnInstanceState/$ApnInstanceStateReason.
ApnState	Poll	Event	No	Normal	APN $ApnDisplayName added in state Active/$ApnStateReason.
	Poll	Event	No	Informational	APN $ApnDisplayName added in state $ApnState/$ApnStateReason.
	Poll	Event	No	Normal	APN $ApnDisplayName changed state from $ApnLastState to Active/$ApnStateReason..
	Poll	Event	No	Informational	APN $ApnDisplayName changed state from $ApnLastState to $ApnState/$ApnStateReason.
ApnInstanceIgnoredSet	User Action	Event	No	Informational	APN $ApnDisplayName on gateway $NodeDisplayName ignore flag is set to $IgnoredFlag by $User.
ApnIgnoredSet	User Action	Event	No	Informational	APN $ApnDisplayName ignore flag is set to $IgnoredFlag by $User.
ApnInstanceUserDataUpdated	User Action	Event	No	Informational	APN $ApnDisplayName on gateway $NodeDisplayName edited by user $User.
ApnUserDataUpdated	User Action	Event	No	Informational	APN $ApnDisplayName edited by user $User.
ApnInstanceDeleted	User Action	Event	No	Informational	APN $ApnDisplayName on gateway $NodeDisplayName deleted by user $User.
ApnDeleted	User Action	Event	No	Informational	APN $ApnDisplayName deleted by user $User.

Table 10-1 PDNGW Alarms (continued)

Name	Source	Type	Auto Clear	Severity	Message Text
SlbVirtualServerStateChange	Trap	Alarm	Yes	Major	$NodeDisplayName -- SLB Virtual Server $slbVirtualServerState_slbEntity:$slbVirtualServerState_slbVirtualServerName -- This virtual server is not active and is not affecting client traffic.
SlbVirtualServerStateChange	Trap	Alarm	Yes	Normal	$NodeDisplayName -- SLB Virtual Server $slbVirtualServerState_slbEntity:$slbVirtualServerState_slbVirtualServerName -- This virtual server is active and is load-balancing client traffic to available real servers.
SlbVirtualServerStateChange	Trap	Alarm	Yes	Warning	$NodeDisplayName -- SLB Virtual Server $slbVirtualServerState_slbEntity:$slbVirtualServerState_slbVirtualServerName -- This virtual server is in standby mode and is acting as a backup for a virtual server on another SLB device.
SlbVirtualServerStateChange	Trap	Alarm	Yes	Warning	$NodeDisplayName -- SLB Virtual Server $slbVirtualServerState_slbEntity:$slbVirtualServerState_slbVirtualServerName -- The real server associated with this redirect virtual server is not operational.
SlbVirtualServerStateChange	Trap	Alarm	Yes	Warning	$NodeDisplayName -- SLB Virtual Server $slbVirtualServerState_slbEntity:$slbVirtualServerState_slbVirtualServerName -- The real server associated with this virtual server is not operational and this virtual server is in standby state.
SlbVirtualServerStateChange	Trap	Alarm	Yes	Warning	$NodeDisplayName -- SLB Virtual Server $slbVirtualServerState_slbEntity:$slbVirtualServerState_slbVirtualServerName -- The real server associated with this virtual server is being tested.

Table 10-1 PDNGW Alarms (continued)

Name	Source	Type	Auto Clear	Severity	Message Text
SlbVirtualServerStateChange	Trap	Alarm	Yes	Warning	$NodeDisplayName -- SLB Virtual Server $slbVirtualServerState_slbEntity:$slbVirtualServerState_slbVirtualServerName -- This virtual server is not enabled because it does not have enough memory to hold the configured matching policy information.
SlbVirtualServerStateChange	Poll	Alarm	Yes	Major	$NodeDisplayName -- SLB Virtual Server $slbEntity:$slbVirtualServerName -- This virtual server is not active and is not affecting client traffic.
SlbVirtualServerStateChange	Poll	Alarm	Yes	Normal	$NodeDisplayName -- SLB Virtual Server $slbEntity:$slbVirtualServerName -- This virtual server is active and is load-balancing client traffic to available real servers.
SlbVirtualServerStateChange	Poll	Alarm	Yes	Warning	$NodeDisplayName -- SLB Virtual Server $slbEntity:$slbVirtualServerName -- This virtual server is in standby mode and is acting as a backup for a virtual server on another SLB device.
SlbVirtualServerStateChange	Poll	Alarm	Yes	Warning	$NodeDisplayName -- SLB Virtual Server $slbEntity:$slbVirtualServerName -- The real server associated with this redirect virtual server is not operational.
SlbVirtualServerStateChange	Poll	Alarm	Yes	Warning	$NodeDisplayName -- SLB Virtual Server $slbEntity:$slbVirtualServerName --The real server associated with this virtual server is not operational and this virtual server is in standby state.
SlbVirtualServerStateChange	Poll	Alarm	Yes	Warning	$NodeDisplayName -- SLB Virtual Server $slbEntity:$slbVirtualServerName -- The real server associated with this virtual server is being tested.

Table 10-1 PDNGW Alarms (continued)

Name	Source	Type	Auto Clear	Severity	Message Text
SlbVirtualServerStateChange	Poll	Alarm	Yes	Warning	$NodeDisplayName -- SLB Virtual Server $slbEntity:$slbVirtualServerName -- This virtual server is not enabled because it does not have enough memory to hold the configured matching policy information.
SlbRealServerStateChange	Trap	Alarm	Yes	Major	$NodeDisplayName -- SLB Real Server $slbRealState_slbEntity:$slbRealState_slbRealServerFarmName:$slbRealState_slbRealIpAddress:$slbRealState_slbRealPort -- This real server is out of service and is not in use as a destination for client connections.
SlbRealServerStateChange	Trap	Alarm	Yes	Normal	$NodeDisplayName -- SLB Real Server $slbRealState_slbEntity:$slbRealState_slbRealServerFarmName:$slbRealState_slbRealIpAddress:$slbRealState_slbRealPort -- This real server is in service and is a destination for SLB client connections.
SlbRealServerStateChange	Trap	Alarm	Yes	Major	$NodeDisplayName -- SLB Real Server $slbRealState_slbEntity:$slbRealState_slbRealServerFarmName:$slbRealState_slbRealIpAddress:$slbRealState_slbRealPort -- This real server has failed.
SlbRealServerStateChange	Trap	Alarm	Yes	Warning	$NodeDisplayName -- SLB Real Server $slbRealState_slbEntity:$slbRealState_slbRealServerFarmName:$slbRealState_slbRealIpAddress:$slbRealState_slbRealPort -- This server has received a test probe from the SLB.
SlbRealServerStateChange	Trap	Alarm	Yes	Warning	$NodeDisplayName -- SLB Real Server $slbRealState_slbEntity:$slbRealState_slbRealServerFarmName:$slbRealState_slbRealIpAddress:$slbRealState_slbRealPort -- This server has failed and been given a test connection.

Table 10-1 PDNGW Alarms (continued)

Name	Source	Type	Auto Clear	Severity	Message Text
SlbRealServerStateChange	Trap	Alarm	Yes	Warning	$NodeDisplayName -- SLB Real Server $slbRealState_slbEntity:$slbRealState_slbRealServerFarmName:$slbRealState_slbRealIpAddress:$slbRealState_slbRealPort -- This real server has reached its maximum number of connections.
SlbRealServerStateChange	Trap	Alarm	Yes	Warning	$NodeDisplayName -- SLB Real Server $slbRealState_slbEntity:$slbRealState_slbRealServerFarmName:$slbRealState_slbRealIpAddress:$slbRealState_slbRealPort -- This real server has reached its maximum number of clients.
SlbRealServerStateChange	Trap	Alarm	Yes	Warning	$NodeDisplayName -- SLB Real Server $slbRealState_slbEntity:$slbRealState_slbRealServerFarmName:$slbRealState_slbRealIpAddress:$slbRealState_slbRealPort -- DFP has lowered the weight of this server to throttle level, so that no new connections will be assigned to it until DFP raises its weight.
SlbRealServerStateChange	Trap	Alarm	Yes	Warning	$NodeDisplayName -- SLB Real Server $slbRealState_slbEntity:$slbRealState_slbRealServerFarmName:$slbRealState_slbRealIpAddress:$slbRealState_slbRealPort -- The probe to this server has failed. No new connections will be assigned to this server until a probe to this server succeeds.
SlbRealServerStateChange	Trap	Alarm	Yes	Warning	$NodeDisplayName -- SLB Real Server $slbRealState_slbEntity:$slbRealState_slbRealServerFarmName:$slbRealState_slbRealIpAddress:$slbRealState_slbRealPort -- This server has received a test probe from the SLB.

Table 10-1 PDNGW Alarms (continued)

Name	Source	Type	Auto Clear	Severity	Message Text
SlbRealServerStateChange	Trap	Alarm	Yes	Warning	$NodeDisplayName -- SLB Real Server $slbRealState_slbEntity:$slbRealState_slbRealServerFarmName:$slbRealState_slbRealIpAddress:$slbRealState_slbRealPort -- This real server is ready to go operational, but is waiting for the associated virtual server to be in service.
SlbRealServerStateChange	Trap	Alarm	Yes	Warning	$NodeDisplayName -- SLB Real Server $slbRealState_slbEntity:$slbRealState_slbRealServerFarmName:$slbRealState_slbRealIpAddress:$slbRealState_slbRealPort -- This server is ready to be tested. This state is applicable only when the server is used for http redirect load balancing.
SlbRealServerStateChange	Trap	Alarm	Yes	Warning	$NodeDisplayName -- SLB Real Server $slbRealState_slbEntity:$slbRealState_slbRealServerFarmName:$slbRealState_slbRealIpAddress:$slbRealState_slbRealPort -- This real server has failed the inband health probe agent.
SlbRealServerStateChange	Trap	Alarm	Yes	Warning	$NodeDisplayName -- SLB Real Server $slbRealState_slbEntity:$slbRealState_slbRealServerFarmName:$slbRealState_slbRealIpAddress:$slbRealState_slbRealPort -- This server has been disabled because it returned an HTTP code that matched a configured value.
SlbRealServerStateChange	Poll	Alarm	Yes	Major	$NodeDisplayName -- SLB Real Server $slbEntity:$slbRealServerFarmName:$slbRealIpAddress:$slbRealPort -- This real server is out of service and is not in use as a destination for client connections.

Table 10-1 PDNGW Alarms (continued)

Name	Source	Type	Auto Clear	Severity	Message Text
SlbRealServerStateChange	Poll	Alarm	Yes	Normal	$NodeDisplayName -- SLB Real Server $slbEntity:$slbRealServerFarmName:$slbRealIpAddress:$slbRealPort -- This real server is in service and is a destination for SLB client connections.
SlbRealServerStateChange	Poll	Alarm	Yes	Major	$NodeDisplayName -- SLB Real Server $slbEntity:$slbRealServerFarmName:$slbRealIpAddress:$slbRealPort -- This real server has failed.
SlbRealServerStateChange	Poll	Alarm	Yes	Warning	$NodeDisplayName -- SLB Real Server $slbEntity:$slbRealServerFarmName:$slbRealIpAddress:$slbRealPort -- This server has received a test probe from the SLB.
SlbRealServerStateChange	Poll	Alarm	Yes	Warning	$NodeDisplayName -- SLB Real Server $slbEntity:$slbRealServerFarmName:$slbRealIpAddress:$slbRealPort -- This server has failed and been given a test connection.
SlbRealServerStateChange	Poll	Alarm	Yes	Warning	$NodeDisplayName -- SLB Real Server $slbEntity:$slbRealServerFarmName:$slbRealIpAddress:$slbRealPort -- This real server has reached its maximum number of connections.
SlbRealServerStateChange	Poll	Alarm	Yes	Warning	$NodeDisplayName -- SLB Real Server $slbEntity:$slbRealServerFarmName:$slbRealIpAddress:$slbRealPort -- This real server has reached its maximum number of clients.
SlbRealServerStateChange	Poll	Alarm	Yes	Warning	$NodeDisplayName -- SLB Real Server $slbEntity:$slbRealServerFarmName:$slbRealIpAddress:$slbRealPort -- DFP has lowered the weight of this server to throttle level, so that no new connections will be assigned to it until DFP raises its weight.

Table 10-1 PDNGW Alarms (continued)

Name	Source	Type	Auto Clear	Severity	Message Text
SlbRealServerStateChange	Poll	Alarm	Yes	Warning	$NodeDisplayName -- SLB Real Server $slbEntity:$slbRealServerFarmName:$slbRealIpAddress:$slbRealPort -- The probe to this server has failed. No new connections will be assigned to this server until a probe to this server succeeds.
SlbRealServerStateChange	Poll	Alarm	Yes	Warning	$NodeDisplayName -- SLB Real Server $slbEntity:$slbRealServerFarmName:$slbRealIpAddress:$slbRealPort -- This server has received a test probe from the SLB.
SlbRealServerStateChange	Poll	Alarm	Yes	Warning	$NodeDisplayName -- SLB Real Server $slbEntity:$slbRealServerFarmName:$slbRealIpAddress:$slbRealPort -- This real server is ready to go operational, but is waiting for the associated virtual server to be in service.
SlbRealServerStateChange	Poll	Alarm	Yes	Warning	$NodeDisplayName -- SLB Real Server $slbEntity:$slbRealServerFarmName:$slbRealIpAddress:$slbRealPort -- This server is ready to be tested. This state is applicable only when the server is used for http redirect load balancing.
SlbRealServerStateChange	Poll	Alarm	Yes	Warning	$NodeDisplayName -- SLB Real Server $slbEntity:$slbRealServerFarmName:$slbRealIpAddress:$slbRealPort -- This real server has failed the inband health probe agent.
SlbRealServerStateChange	Poll	Alarm	Yes	Warning	$NodeDisplayName -- SLB Real Server $slbEntity:$slbRealServerFarmName:$slbRealIpAddress:$slbRealPort -- This server has been disabled because it returned an HTTP code that matched a configured value.
SlbFaultToleranceStateChange	Trap	Alarm	Yes	Major	$NodeDisplayName -- SLB Entity: $cslbxFtState_slbEntity -- SLB fault tolerance is not configured.

Table 10-1 PDNGW Alarms (continued)

Name	Source	Type	Auto Clear	Severity	Message Text
SlbFaultToleranceStateChange	Trap	Alarm	Yes	Warning	$NodeDisplayName -- SLB Entity: $cslbxFtState_slbEntity -- SLB fault tolerance is initializing.
SlbFaultToleranceStateChange	Trap	Alarm	Yes	Normal	$NodeDisplayName -- SLB Entity: $cslbxFtState_slbEntity -- SLB fault tolerance is active.
SlbFaultToleranceStateChange	Trap	Alarm	Yes	Major	$NodeDisplayName -- SLB Entity: $cslbxFtState_slbEntity -- SLB fault tolerance is in standby mode.
SlbFaultToleranceStateChange	Poll	Alarm	Yes	Major	$NodeDisplayName -- SLB Entity: $slbEntity -- SLB fault tolerance is not configured.
SlbFaultToleranceStateChange	Poll	Alarm	Yes	Warning	$NodeDisplayName - SLB Entity: $slbEntity - SLB fault tolerance is initializing.
SlbFaultToleranceStateChange	Poll	Alarm	Yes	Normal	$NodeDisplayName - SLB Entity: $slbEntity - SLB fault tolerance is active.
SlbFaultToleranceStateChange	Poll	Alarm	Yes	Major	$NodeDisplayName - SLB Entity: $slbEntity - SLB fault tolerance is in standby mode.