



Alarm Troubleshooting

This chapter describes the alarms and conditions associated with the unified control plane (UCP). For procedures that clear UCP alarms, refer to Release 3.4 or later of the *Cisco ONS 15454 Troubleshooting Guide* or the *Cisco ONS 15454 SDH Troubleshooting Guide*.

3.1 UCP Alarms

Table 3-1 lists the UCP alarms.

Table 3-1 Alarm Descriptions

Alarm	Severity	Description
CKTDOWN	Critical Service affecting	The UCP Circuit Down alarm applies to logical circuits created within the UCP between devices. It occurs when a signaling failure occurs across a UCP interface. The failure can be caused by a number of things, such as failure to route the call within the core network. In that case, the alarm cannot be resolved from the ONS 15454 because the node serves as an edge device.
RSVP-HELLODOWN	Minor Non-service affecting	The RSVP Hello Down alarm occurs when the hello protocol, which monitors UCP control channel status, is not available for reserving resources. The lack of availability can be caused by misconfiguration or loss of connectivity between the reporting node and its neighbor.
LMP-HELLODOWN	Minor Non-service affecting	The LMP Hello Down alarm occurs when the hello protocol, which monitors UCP control channel status, is not available for link management. Unavailability can be caused by physical layer errors (such as cabling) or by control channel misconfiguration.
LMP-NDFAIL	Minor Non-service affecting	The LMP Neighbor Detection Fail alarm occurs when neighbor detection within the UCP has failed. LMP-NDFAIL can be caused by physical failure (such as cabling) between the neighbors or by control channel misconfiguration.

3.2 UCP Conditions

Table 3-2 lists the UCP alarm conditions.

Table 3-2 Alarm Conditions

Condition	Raised When...	Cleared When...
UCP_CKT_DOWN	A provisioned circuit is temporarily or permanently down	The circuit becomes available.
UCP_NBR_DOWN	The Resource Reservation Protocol (RSVP) hello procedure indicates that a neighbor is down	The RSVP hello procedure declares that the neighbor is available.
UCP_CC_DOWN	The link management protocol (LMP) hello procedure indicates that the control channel is down	The LMP hello procedure indicates that the control channel is available.
UCP_ND_FAILED	The LMP neighbor discovery procedure fails	The control channel resets and the neighbor discovery procedure completes.
UCP_UNAUTH_CKTREQ	A node receives an unauthorized signaling request	This condition is not cleared (transient event).