



# APPENDIX A

## High Availability Events

This appendix provides a list of the high availability events displayed inEventVision and provides the defaults for the failover parameters. (For more information see the Cisco Active Network Abstraction EventVision User Guide.)

Cisco ANA has the following pre-configured defaults for failover:

| # | Description                                                            | Measured in milliseconds                                                                                                                                                                                                                   | Entry Name in Registry                        |
|---|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| 1 | Grace period (time from system startup in which events are not raised) | 1800000 (30 minutes)                                                                                                                                                                                                                       | Delay                                         |
| 2 | Timeout for AVMs                                                       | 300000 (5 minutes)                                                                                                                                                                                                                         | Timeout                                       |
| 3 | Timeout for units                                                      | 300000 (5 minutes)<br><b>Note</b> This is the initial recovery period defined in minutes, which includes device polling and inventory build-up. End-to-end services such as RCA and topology may take longer before they become available. | Timeout                                       |
| 4 | AVMs repeatedly not responding                                         | Tries a maximum of 5 times to restart the AVM within 10800000 ms (180 minutes) (if more will suspend the AVM).                                                                                                                             | maxTimeoutReloadTime<br>maxTimeoutReloadTries |

The grace period defines the amount of time that the system will not perform any high availability operations on the configured target (either the AVM, or the unit). There is one exception to this, namely, when the configured target responds for the first time with ping, then the grace period is over.

A list of the high availability events is provided in the following table:

| Event                                                                                                   | Message                                                                      | Severity |
|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------|
| <b>Watchdog Protection</b>                                                                              |                                                                              |          |
| The AVM times out (see # 2 in the above Pre-configured default table)                                   | AVM 107 not responding: ANA Unit = 1.1.1.1<br>AVM = 107                      | Major    |
|                                                                                                         | This is followed by:                                                         |          |
|                                                                                                         | AVM 107 is shutting down. ANA Unit = 1.1.1.1                                 | Minor    |
|                                                                                                         | AVM 107 is starting. ANA Unit = 1.1.1.1                                      | Minor    |
| The AVM repeatedly does not respond (see # 4 in the Pre-configured default table)                       | AVM 107 suppressed: ANA Unit = 1.1.1.1 AVM = 107                             | Major    |
| <b>Unit Protection</b>                                                                                  |                                                                              |          |
| The unit times out (when a standby unit is available) (see # 3 in the Pre-configured default table)     | Server 1.1.1.1 not responding. Raising Redundant machine = 3.3.3.3           | Major    |
| A unit times out (without a standby unit being available) (see # 3 in the Pre-configured default table) | Server 1.1.1.1 not responding. No Redundant machine available                | Major    |
| Manually switching to the standby unit                                                                  | Server 1.1.1.1 manual failover initiated No Redundant machine available      | Major    |
|                                                                                                         | Server 1.1.1.1 manual failover initiated Raising Redundant machine = 3.3.3.3 | Major    |