

Clarification Request

References: BTL Specified Tests-5.0.final test 9.1.2.6

Background / Proposed Solution:

Current BTL Specified Test 9.1.2.6 reads:

9.1.2.6 Unsuccessful Alarm Acknowledgment of Unconfirmed Event Notifications Because the 'Event State Acknowledged' is Invalid

Reason for Change: This test was updated to account for revision 5 specifications. There is no new SSPC proposal.

Purpose: To verify that an alarm remains unacknowledged if the 'Event State Acknowledged' is inconsistent with the other parameters that define the alarm being acknowledged.

Test Concept: An alarm is triggered that causes the IUT to notify the TD and at least one other device. The TD acknowledges the alarm using an invalid event state and verifies that the acknowledgment is not accepted by the IUT and that the IUT does not notify other devices that the alarm was acknowledged. The TD then acknowledges the alarm using the proper event state and verifies that the acknowledgment is properly noted by the IUT. The IUT notifies all other recipients that the alarm was acknowledged.

Configuration Requirements: The IUT shall be configured with at least one object that can detect alarm conditions and send confirmed notifications. The Acked_Transitions property shall have the value B'111' indicating that all transitions have been acknowledged. The TD and at least one other BACnet device shall be recipients of the alarm notification.

Test Steps: The test steps defined in 9.1.2.1 shall be followed except that in the first AcknowledgeAlarm request the 'Time Stamp' shall have the same value as the 'Time Stamp' from the event notification, *the 'To State' in the notification shall be any offnormal transition* and the 'Event State Acknowledged' shall have *an offnormal* value that is different from the 'To State' in the event notification *and shall not be OFFNORMAL*.

Notes to Tester: A passing result is the same message sequence described in 9.1.2.1 except that the Error Code in step 7 shall be *INVALID_EVENT_STATE*. *For devices claiming a Protocol Revision less than 5, an Error Code of INCONSISTENT_PARAMETERS shall also be allowed.*

But since the 135.1 - 2007 test is

Unsuccessful Alarm Acknowledgment of Unconfirmed Event Notifications Because the Referenced Object Does Not Exist

Purpose: To verify that an alarm remains unacknowledged if the 'Event Object Identifier' represents an object that does not exist.

The current BTL Specified Test 9.1.2.6 appears to be a cut&paste error. There is no revision needed relative to the 135.1 - 2007 test, since the 135.1 - 2007 test contains no test steps and

makes reference to 9.1.2.5. The BTL Specified Test 9.1.2.5 does have correct updates to account for revision 5 specifications.

Question:

Should the test be stricken from BTL Specified Tests?

Response:

The BTL Specified Test 9.1.2.6 section derives from the wrong underlying test, and the Test Plan refers to the wrong document, and also the wrong test name since that changed in 135.1-2007. The 9.1.2.6 test is correct in 135.1-2007:

9.1.2.6 Unsuccessful Alarm Acknowledgment of Unconfirmed Event Notifications Because the Referenced Object Does Not Exist

Purpose: To verify that an alarm remains unacknowledged if the 'Event Object Identifier' represents an object that does not exist.

Test Concept: An alarm is triggered that causes the IUT to notify the TD and at least one other device. The TD acknowledges the alarm using an invalid event object identifier and verifies that the acknowledgment is not accepted by the IUT and that the IUT does not notify other devices that the alarm was acknowledged. The TD then acknowledges the alarm using the proper event object identifier and verifies that the acknowledgment is properly noted by the IUT. The IUT notifies all other recipients that the alarm was acknowledged.

Configuration Requirements: The IUT shall be configured with at least one object that can detect alarm conditions and send unconfirmed notifications. The Acked_Transitions property shall have the value B'111' indicating that all transitions have been acknowledged. The TD and at least one other BACnet device shall be recipients of the alarm notification.

Test Steps: The test steps defined in 9.1.2.5 shall be followed except that in the first AcknowledgeAlarm request the 'Time Stamp' shall have the same value as the 'Time Stamp' from the event notification and the 'Event Object Identifier' shall have a value that is different from the 'Event Object Identifier' in the event notification and for which no object exists in the IUT.

Notes to Tester: A passing result is the same message sequence described as the passing result in 9.1.2.5 except that the Error Class in step 7 shall be OBJECT and the Error Code in step 7 shall be UNKNOWN_OBJECT. For devices that claim a Protocol_Revision of 5 or prior, an Error Class of SERVICES with an Error Code of INCONSISTENT_PARAMETERS shall also be accepted.

135.1-2007BTL - 9.1.2.6 - Unsuccessful Alarm Acknowledgment of Unconfirmed Event Notifications Because the 'Event Object Identifier' is Invalid-Referenced Object Does Not Exist		
	Test Method	Manual
	Configuration	As per <i>BTL Specified Tests</i> .
	Test Conditionality	Must be executed.
	Test Directives	
	Testing Hints	
	Notes & Results	

All unneeded tests in BTL Specified Tests will be removed in preparation of the next Test Package where the corrected test has been migrated to 135.1 - 2009. The release notes, and the Change Log at the bottom of BTL Specified Tests, will describe in detail these changes in each Test Package edition.