Clarification Request

References: 135-1-2019.pdf

Date of BTL-WG Response: May 27, 2021

⊠All actions necessitated have been completed

Background:

The BTL Test Package requires that test 7.3.1.11 from 135.1-2019 be applied to Life Safety controller device profiles. This test requires a sequence of event state transitions and acknowledgment that conflicts with applicable international and regional regulations for fire panels.

For example, where life safety objects latch their offnormal or fault states, the state may need to be acknowledged before the object can be reset (via LifeSafetyOperation) and allowed to transition to a new state. In contrast, the Acked_Transitions test expects that the object transition through OFFNORMAL, NORMAL, and FAULT before the transitions are acknowledged.

In addition, some acknowledgments and reset operations may need to be performed by the panel itself on specific state transitions. This is to maintain consistency of the panel's BACnet interface with the state displayed on regulated UIs of fire panels.

For example, minor faults notified through the same Notification Class as the alarms from the life safety object must be automatically acknowledged by the panel when the fault situation disappears, allowing the object goes back to NORMAL event state. In contrast, the TO_NORMAL transition does not require an acknowledgement.

The distribution of ACK-Notifications is expected for such internal acknowledgments of course.

Question:

Can test 7.3.1.11 be skipped for life safety objects which latch their event states?

Should an alternate test be applied which tests Acked_Transitions for each bit independently for latching life safety objects?

Response:

1) **Yes**
2) **Yes. BTL Working Group will extend the Test Package for latching life safety objects.**