

Clarification Request

References: ASHRAE 135.1-2009

Background / Proposed Solution:

When test 9.10.1.7 is automated, the speed at which it executes can make step 6 invalid:

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6. IF (the subscription was for confirmed notifications) THEN
    RECEIVE ConfirmedCOVNotification-Request,
        'Subscriber Process Identifier' = (the same identifier used in the subscription),
        'Initiating Device Identifier' = IUT,
        'Monitored Object Identifier' = (the same object used in the subscription),
        'Time Remaining' = (a value greater than 0 and less than the requested subscription
                           lifetime),
        'List of Values' = (values appropriate to the object type of the monitored object)
    ELSE
        RECEIVE UnconfirmedCOVNotification-Request,
            'Subscriber Process Identifier' = (the same identifier used in the subscription),
            'Initiating Device Identifier' = IUT,
            'Monitored Object Identifier' = (the same object used in the subscription),
            'Time Remaining' = (a value greater than 0 and less than the requested subscription
                              lifetime),
            'List of Values' = (values appropriate to the object type of the monitored object
                              including the changed value of that triggered the notification)

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The requirement that the 'Time Remaining' parameter be less than the subscription lifetime only works if the IUTs timer is such that the test takes more than a second between step 2 and step 6, and that the resolution of the device's timer is small enough to indicate the amount of time that has passed.

Question:

Should the test allow a lifetime in step 6 that is equal to the subscription lifetime?

Response:

The BTL-WG agrees that the restriction on the time remaining is overly stringent, and the test shall be modified to accommodate this situation. The test as written shall allow a lifetime in the Notification at step 6, equal to the lifetime of the original subscription. In reviewing this test, the BTL-WG noted that this test is not checking that the lifetime is accurately reflected in the Notifications as time counts down. The BTL-WG will be reviewing this test in the future with the intent of adding that check.