

Clarification Request

References: ASHRAE 135.1-2025, ASHRAE 135-2024, Test Package 26.1.

Date of BTL-WG Response: December 4, 2025

Background:

7.3.2.46.3.6.2 RESTART_AUTONEGOTIATION Command Failure Test

Reason for Change: Updated to make the Link_Speed_Autonegotiate check optional.

Purpose: To verify that Network Port objects respond to the RESTART_AUTONEGOTIATION command with the correct error codes when the command is not supported / enabled.

Test Concept: Starting with a Network Port object which is not configured to auto-negotiate its link speed or which does not support the RESTART_AUTONEGOTIATION, command it to restart auto-negotiation. Verify that the correct error code is returned.

Configuration Requirements: **If the network port support auto-negotiation, disable it.** If the IUT does not support the Command property, or all Network Port object support auto-negotiation and it cannot be disabled, then this test shall be skipped.

Test Steps:

-- make sure our initial conditions are good

1. *IF Link_Speed_Autonegotiate is present THEN*
~~VERIF~~~~Y~~ Link_Speed_Auto_negotiate = TRUE
2. **VERIF****Y** Link_Speed_Autonegotiate = TRUE

-- request the renewal, and wait for it to timeout

23. TRANSMIT WriteProperty-Request,
 'Object Identifier' = (the Network Port object),
 'Property Identifier' = Command,
 'Property Value' = RESTART_AUTONEGOTIATION
34. IF the port does not support auto-negotiation THEN
5. RECEIVE BACnet-Error-PDU
 'Error Class' = PROPERTY,
 'Error Code' = OPTIONAL_FUNCTIONALITY_NOT_SUPPORTED
- ELSE
6. RECEIVE BACnet-Error-PDU
 'Error Class' = PROPERTY,
 'Error Code' = VALUE_OUT_OF_RANGE

Problem:

Link_Speed_Autonegotiate should be FALSE.

Question:

In Step #2, should Link_Speed_Autonegotiate be FALSE?

Response:

Yes.