

BACnet Errata
ANSI/ASHRAE STANDARD 135.1-2025
BACnet® - Method of Test for Conformance to BACnet®
 June 28, 2026

This document lists all known *errata* to ANSI/ASHRAE Standard 135.1-2025 as of the above date. Each entry is cited first by clause, then page number, except where an erratum covers more than one clause. The back page marking identifying the electronic publication of Standard 135.1-2025.

Changes are indicated by using ~~strikeout~~ for text to be removed and *italics* for text to be added, unless noted otherwise. Grey highlighting is used for marking small corrections.

- 1) **Clause 7.3.2.46.3.4 RESTART_SLAVE_DISCOVERY Command Tests** references the word “slave” which was changed to “Subordinate”.

7.3.2.46.3.4 RESTART_SLAVE SUBORDINATE_DISCOVERY Command Tests

7.3.2.46.3.4.1 RESTART_SLAVE SUBORDINATE_DISCOVERY Command Test

Purpose: To verify that the Network Port restarts the subordinate discovery process when commanded to.

Test Concept: Starting with a Network Port object which is configured as an MS/TP Subordinate Proxy, command the Network Port to RESTART_SLAVE SUBORDINATE_DISCOVERY. Verify that the IUT restarts subordinate discovery.

Test Configuration Configure an MSTP Network Port object to act as an MS/TP Subordinate Proxy with Auto_Subordinate_Discovery set to TRUE. Configure the TD to act as an MS/TP subordinate. Delay the start of the test until after the IUT has completed its initial subordinate confirmation. If the IUT does not support automatic subordinate discovery, or the IUT does not support the RESTART_SLAVE SUBORDINATE_DISCOVERY command, then this test shall be skipped.

Notes to Tester: The IUT may interrogate the subordinate addresses in any order. The IUT is allowed to generate any other traffic during the test, including, and is not limited to reading property values from the devices it finds.

Test Steps:

- make sure our initial conditions are good
 - VERIFY Network_Type = MSTP
 - VERIFY Subordinate_Proxy_Enable = TRUE
- request the renewal, and wait for it to timeout
- 3. WRITE Command = RESTART_SLAVE_DISCOVERY
- 4. BEFORE Subordinate Proxy Confirm Interval
 - REPEAT addr=(all MS/TP addresses excluding the IUT's MAC address) DO {
 - RECEIVE DESTINATION=addr, SRC=IUT
 - ReadProperty-Request,
 - 'Object Identifier' = (DEVICE,4194303), 'Property
 - Identifier' = Protocol_Services_Supported
- 5. VERIFY Command = IDLE

7.3.2.46.3.4.2 RESTART_SLAVE SUBORDINATE_DISCOVERY Command Failure Test

Purpose: To verify that Network Port object respond to RESTART_SLAVE SUBORDINATE_DISCOVERY commands when the command is not supported / enabled.

Test Concept: Attempt to command a Network Port which is not acting as a subordinate proxy to RESTART_SLAVE SUBORDINATE_DISCOVERY. Verify that the attempt fails with an Error Class of PROPERTY and an error code of VALUE_OUT_OF_RANGE.

Configuration Requirements: Select a Network Port which is not configured to be a subordinate proxy. If the IUT supports subordinate proxy functionality, this test shall be skipped as the standard does not specify how the IUT should respond when subordinate proxy is supported but not enabled. If the IUT does not support the Command property, then this test shall be skipped.

Test Steps:

- TRANSMIT WriteProperty-Request,
 'Object Identifier' = (the Network Port object),
 'Property Identifier' = Command,
 'Property Value' = RESTART_SLAVE SUBORDINATE_DISCOVERY
- IF Network_Type is MSTP THEN
 RECEIVE BACnet-Error-
 PDU
 'Error Class' = PROPERTY,
 'Error Code' = OPTIONAL_FUNCTIONALITY_SUPPORTED