

Clarification Request

References: “e.g” 135.1-2019 8.21.8

Date of BTL-WG Response: 2022-12-01

Background: “e.g” 135.1-2019 8.21.8 Reading a Range of Items Using Any Valid Range

8.21.8 Reading a Range of Items Using Any Valid Range

Purpose: To verify that the IUT can initiate one or more ReadRange requests that access a **tester-specified portion** of log records, using any valid range.

Test Concept: The TD contains a Trend Log object that has a logical set of log records, S1. The tester selects a portion of S1 to be returned, and causes the IUT to request those records, using any valid range. The test then verifies that the IUT can display the records in a manner consistent with those that the TD returns.

Configuration Requirements: The TD contains a log object, L1, which has a set of records, S1. The IUT is configured to display the returned set of log records.

Test Steps:

1. MAKE (L1 contain the set of records S1)
2. MAKE (the IUT request **a range of samples** from L1)
3. WHILE (not all records from the tester-selected range have been requested)
 - RECEIVE ReadRange-Request,
 - 'Object Identifier' = (L1),
 - 'Property Identifier' = (Log_Buffer),
 - 'Range' = (any valid range)
 - TRANSMIT ReadRange-Ack,
 - 'Object Identifier' = (L1),
 - 'Property Identifier' = (Log_Buffer),
 - 'ItemData' = (a set of records appropriate for this response)
4. CHECK (the records returned in step 3 include the tester-selected range)
5. MAKE (the IUT display the tester-selected range)
6. CHECK (the records in step 5 are consistent with the records returned in step 3)

Note to Tester: The IUT is not required to display records containing log-status values.

Problem:

The ‘Purpose’ of this test suggests that the tester must have control over the set of records requested by the IUT while the corresponding BIBB requirements do not impose such a requirement.

We see this test (8.21.8) called out for T-V-A, AR-V-A, and AE-ELV-A. All of these BIBBS state similarly that the A device uses ReadRange to retrieve and display the contents of the Log_Buffer property. There is no requirement that the A device can be configured to read a subset of the Log_Buffer. It should be sufficient that the A device can read the entire Log_Buffer and display any portion (or all) of the contents.

Question:

- 1) **Is the IUT required to provide functionality that allows the tester to control parameters of the ReadRange request such that he or she can specify which portion of the log buffer will be retrieved from the TD?**

Response:

- 1) **No. The tester does not have direct control over the parameters to the service. The tester has indirect control by requesting a particular range be displayed. How the IUT retrieves that range is up to the IUT.**