Generic Object Exchange Profile (GOEP)

***Bluetooth*® Test Suite**

- **Revision:** GOEP.TS.p8
- **Revision Date:** 2024-07-01
- **Prepared By:** BTI
- **Prepared during TCRL:** TCRL.2024-1

Contents

1 Scope

This Bluetooth document contains the Test Suite Structure (TSS) and test cases to test the implementation of the Bluetooth GOEP and IrDA Interoperability profiles with the objective to provide a high probability of air interface interoperability between the tested implementation and other manufacturers' Bluetooth devices.

2 References, definitions, and abbreviations

2.1 References

This document incorporates provisions from other publications by dated or undated reference. These references are cited at the appropriate places in the text, and the publications are listed hereinafter. Additional definitions and abbreviations can be found in [1], [2], and [3].

[1] Bluetooth Core Specification, Version 2.0 or later

[2] Test Strategy and Terminology Overview

[3] Bluetooth GOEP Specification

[4] Bluetooth GOEP-based Application Profile ICS

[5] Bluetooth Specification Guidelines

[6] ITU-T X.290 series, OSI CONFORMANCE TESTING METHODOLOGY AND FRAMEWORK PROTOCOL RECOMMENDATIONS FOR ITU-T APPLICATIONS, ITU Recommendation X.290 series (equivalent to ISO 9646)

[7] ITU-T Z.120, Formal description techniques (FDT) – Message Sequence Chart

[8] IrDA Interoperability

2.2 Definitions

In this Bluetooth document, the definitions from [1], [2], and [3] apply.

2.3 Acronyms and abbreviations

In this Bluetooth document, the definitions, acronyms, and abbreviations in [1], [2], and [3] apply.

3 Test Suite Structure (TSS)

3.1 Test Strategy

This specification consists of test cases to test features within the GOEP v2.0 or later specification.

The test cases cover the use of OBEX over L2CAP and enhancements to the IrOBEX protocol.

To allow efficient testing of many OBEX profiles this Test Suite contains the common test cases. The test case mappings of the application profiles, and the associated ICS, cause certain tests within this document to be run.

Note that the Backwards Compatibility test cases are mapped in only from the application profiles that require backwards compatibility with their previous versions based on earlier versions of GOEP. Future Application profiles will exclude these tests.

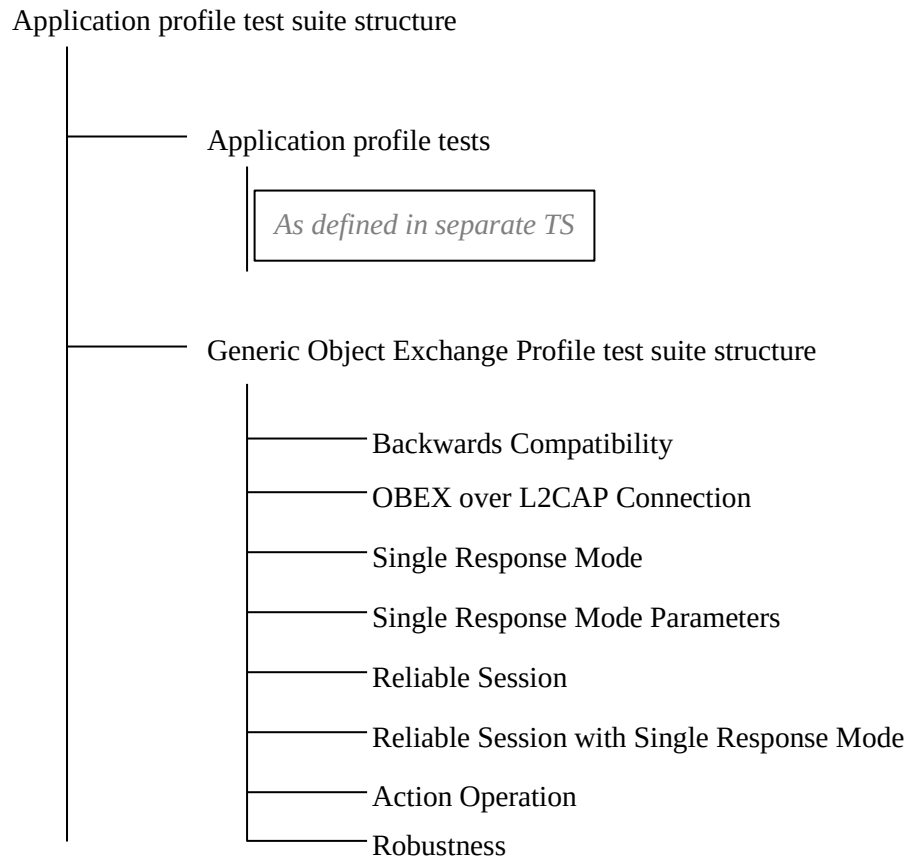

Figure 3.1: GOEP Test Suite Structure representation

4 Test cases (TC)

4.1 Introduction

4.1.1 Test case identification conventions

Test cases are assigned unique identifiers per the conventions in [2]. The convention used here is: **<spec abbreviation>/<IUT role>/**<class>/**<feat>**/<func>/<subfunc>**/**<cap>**/<xx>-<nn>-<y>**.

Note: The IUT role is defined by a higher-level profile incorporating these generic tests.

Identifier Abbreviation	**Spec Identifier <spec abbreviation>**
GOEP	Generic Object Exchange Profile
Identifier Abbreviation	**Feature Identifier <feat>**
ACT	Action Operation
BC	Backwards Compatibility
CON	OBEX over L2CAP Connection
RLS	Reliable Session
ROB	Robustness
SRM	Single Response Mode
SRMP	Single Response Mode Parameters
SRS	Reliable Session with Single Response Mode

Table 4.1: GOEP TC feature naming conventions

4.1.2 Conformance

When conformance is claimed for a particular specification, all capabilities are to be supported in the specified manner. The mandated tests from this Test Suite depend on the capabilities to which conformance is claimed.

The Bluetooth Qualification Program may employ tests to verify implementation robustness. The level of implementation robustness that is verified varies from one specification to another and may be revised for cause based on interoperability issues found in the market.

Such tests may verify:

- That claimed capabilities may be used in any order and any number of repetitions not excluded by the specification
- That capabilities enabled by the implementations are sustained over durations expected by the use case
- That the implementation gracefully handles any quantity of data expected by the use case
- That in cases where more than one valid interpretation of the specification exists, the implementation complies with at least one interpretation and gracefully handles other interpretations
- That the implementation is immune to attempted security exploits

A single execution of each of the required tests is required to constitute a Pass verdict. However, it is noted that to provide a foundation for interoperability, it is necessary that a qualified implementation consistently and repeatedly pass any of the applicable tests.

In any case, where a member finds an issue with the test plan generated by the Bluetooth SIG qualification tool, with the test case as described in the Test Suite, or with the test system utilized, the

member is required to notify the responsible party via an erratum request such that the issue may be addressed.

4.1.3 Pass/Fail verdict conventions

Each test case has an Expected Outcome section. The IUT is granted the Pass verdict when all the detailed pass criteria conditions within the Expected Outcome section are met.

The convention in this Test Suite is that, unless there is a specific set of fail conditions outlined in the test case, the IUT fails the test case as soon as one of the pass criteria conditions cannot be met. If this occurs, then the outcome of the test is a Fail verdict.

4.2 Backwards Compatibility

GOEP/BC/BV-01-C [Process an incoming PUT request from a legacy device (OBEX over RFCOMM is used)]

- Test Purpose

  Verify that the IUT is able to accept and process an incoming PUT request from a legacy device.

- Reference

  [3] 8.2

- Initial Condition

  - An OBEX Connection and an OBEX Transport Connection (using RFCOMM channel) exists.
  - The PUT object is large enough to span multiple OBEX packets.

- Test Procedure

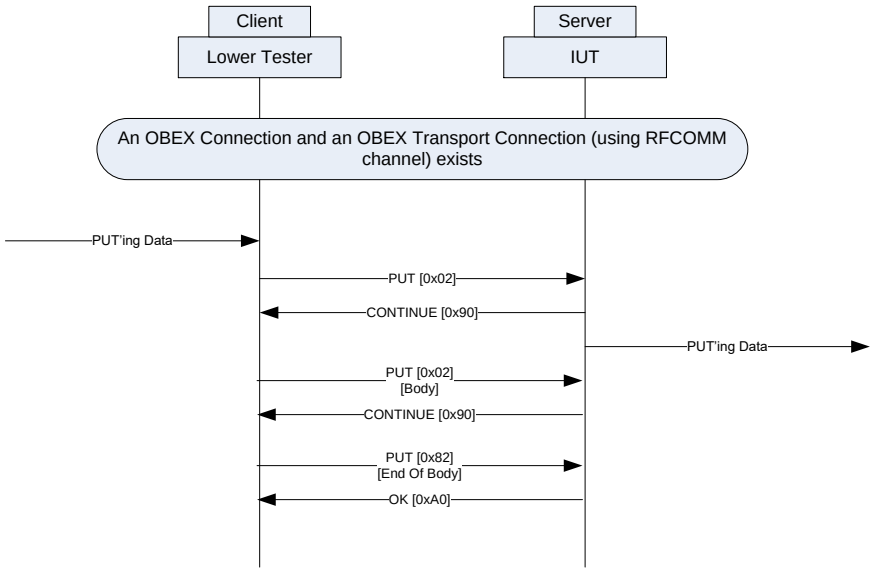

Figure 4.1: GOEP/BC/BV-01-C [Process an incoming PUT request from a legacy device (OBEX over RFCOMM is used)]

- Expected Outcome

  Pass verdict

  On receiving the PUT requests from the Lower Tester, the IUT responds with CONTINUE messages and does not try to enable SRM.

  The PUT operation completes successfully.

GOEP/BC/BV-02-C [Initiate a PUT request to a legacy device (OBEX over RFCOMM is used)]

- Test Purpose

  Verify that the IUT is able to initiate and process a PUT request to a legacy device.

- Reference

  [3] 8.2

- Initial Condition

  - An OBEX Connection and an OBEX Transport Connection (using RFCOMM channel) exists.
  - The PUT object is large enough to span multiple OBEX packets.

- Test Procedure

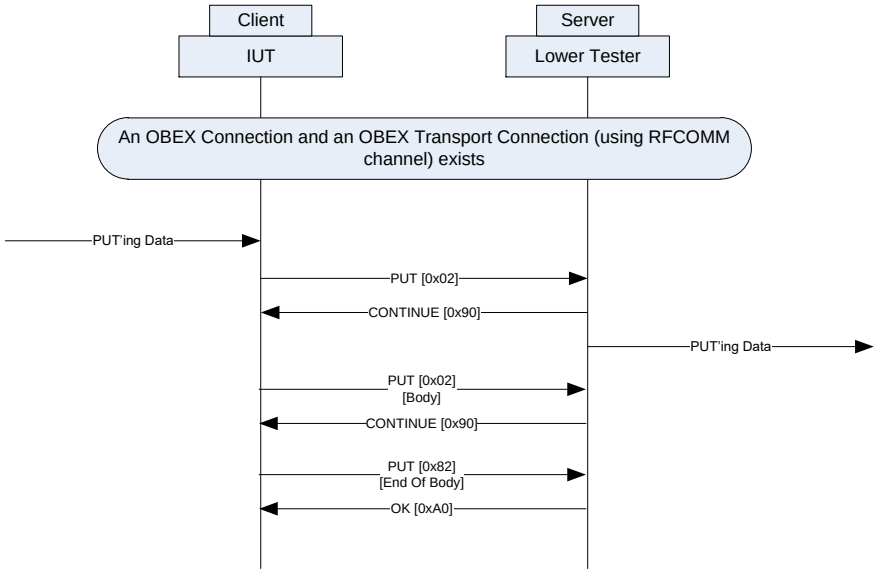

Figure 4.2: GOEP/BC/BV-02-C [Initiate a PUT request to a legacy device (OBEX over RFCOMM is used)]

- Expected Outcome

  Pass verdict

  The IUT sends *one or more PUT [0x02* or 0x82] requests to the Lower Tester.

  The PUT operation completes successfully.

GOEP/BC/BV-03-C [Process an incoming GET request from a legacy device (OBEX over RFCOMM is used)]

- Test Purpose

  Verify that the IUT is able to accept and process an incoming GET request from a legacy device.

- Reference

  [3] 8.2

- Initial Condition

  - An OBEX Connection and an OBEX Transport Connection (using RFCOMM channel) exists.

- Test Procedure

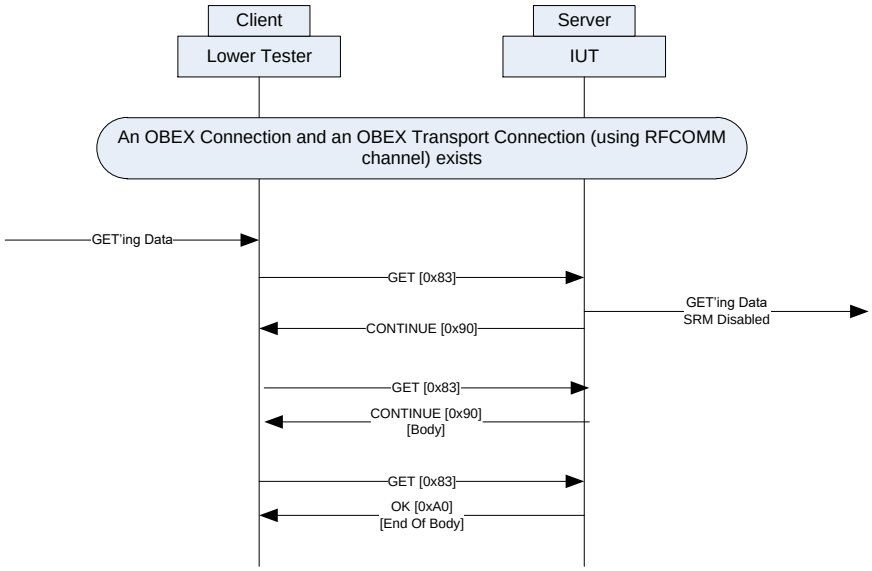

Figure 4.3: GOEP/BC/BV-03-C [Process an incoming GET request from a legacy device (OBEX over RFCOMM is used)]

- Expected Outcome

  Pass verdict

  On receiving the GET requests from the Lower Tester, the IUT responds with CONTINUE messages.

  The GET operation completes successfully.

GOEP/BC/BV-04-C [Initiate a GET request to a legacy device (OBEX over RFCOMM is used)]

- Test Purpose

  Verify that the IUT is able to initiate and process a GET request to a legacy device.

- Reference

  [3] 8.2

- Initial Condition

  - An OBEX Connection and an OBEX Transport Connection (using RFCOMM channel) exists.

- Test Procedure

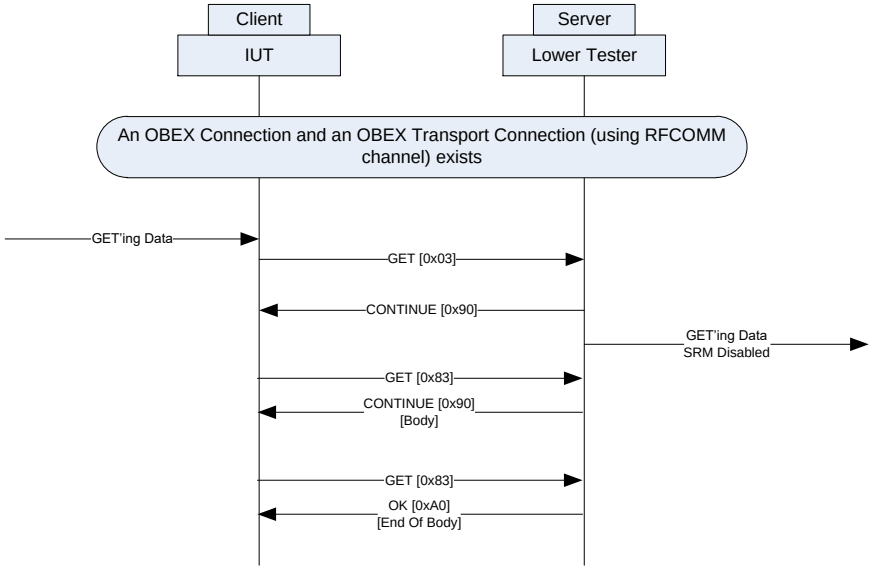

Figure 4.4: GOEP/BC/BV-04-C [Initiate a GET request to a legacy device (OBEX over RFCOMM is used)]

- Expected Outcome

  Pass verdict

  The IUT sends GET [0x03] requests to the Lower Tester and does not try to enable SRM.

  The GET operation completes successfully.

4.3 OBEX over L2CAP Connection

GOEP/CON/BV-01-C [IUT issues an OBEX CONNECT request]

- Test Purpose

  Verify that the Client issues an OBEX Connection request to the Server.

- Reference

  [8] 3

- Initial Condition

  - None

- Test Procedure

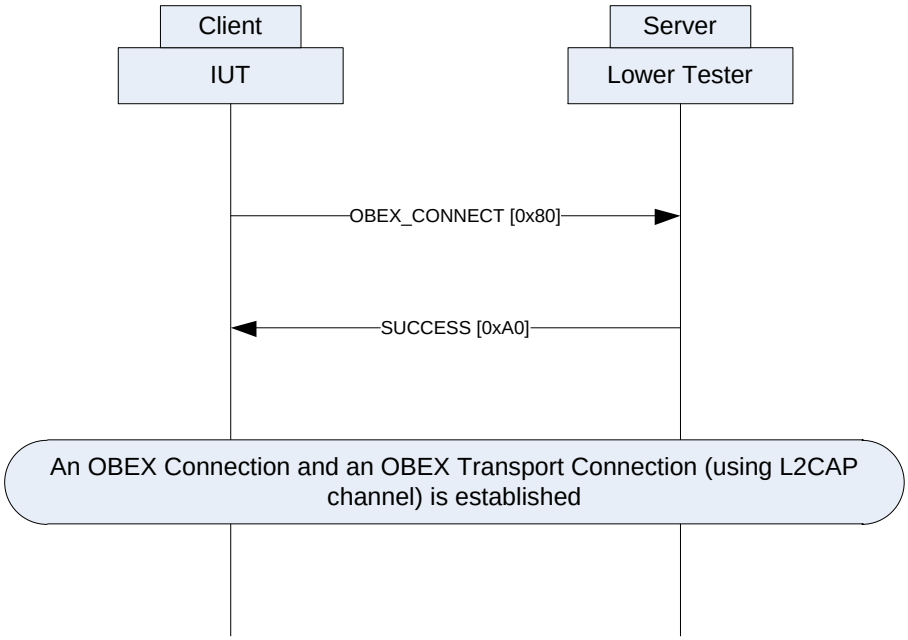

Figure 4.5: GOEP/CON/BV-01-C [IUT issues an OBEX CONNECT request]

- Expected Outcome

  Pass verdict

  The IUT sends an OBEX_CONNECT [0x80] request without a SRM header to the Lower Tester.

  On receiving a SUCCESS response from the Lower Tester, the IUT establishes an OBEX connection with the Lower Tester.

GOEP/CON/BV-02-C [GoepL2CapPsm attribute id present in the SDP record]

- Test Purpose

  Verify that the GoepL2CapPsm attribute is present in IUT's SDP record.

- Reference

  [8] 3.3

- Initial Condition

  - None

- Test Procedure

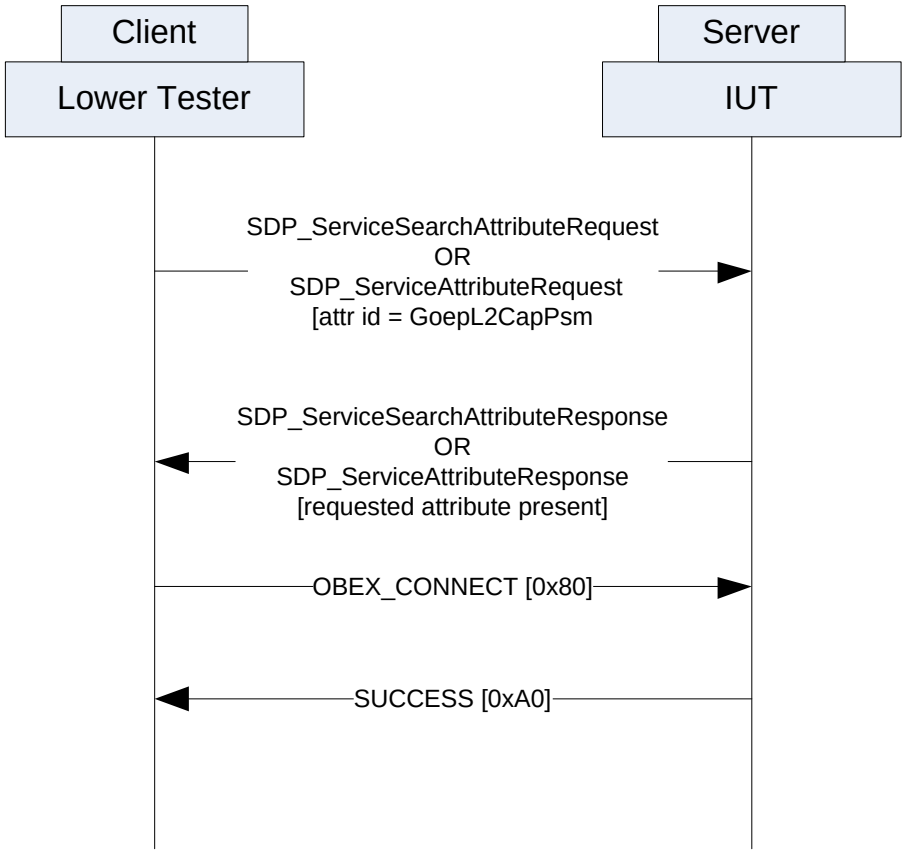

Figure 4.6: GOEP/CON/BV-02-C [GoepL2CapPsm attribute id present in the SDP record]

- Expected Outcome

  Pass verdict

  On receiving either the SDP_ServiceSearchAttributeRequest or SDP_ServiceAttributeRequest PDU (refer the SDP Test Suite) from the Lower Tester with attribute id=GoepL2CapPsm, the IUT responds with an appropriate SDP response which contains the requested attribute containing the L2CAP PSM.

  On receiving an OBEX Connect [0x80] request, the IUT does not include a SRM header in the Connect response.

4.4 Single Response Mode

GOEP/SRM/BV-01-C [Server does not wish to use SRM during a PUT request]

- Test Purpose

  Verify that Single Response Mode (SRM) is not used during a PUT request if the Server does not wish to use SRM.

- Reference

  [3] 4.6

- Initial Condition
  - The IUT supports Single Response Mode (SRM).
  - An OBEX Connection and an OBEX Transport Connection (using L2CAP channel) exists.
  - The PUT object is large enough to span multiple OBEX packets.
- Test Procedure

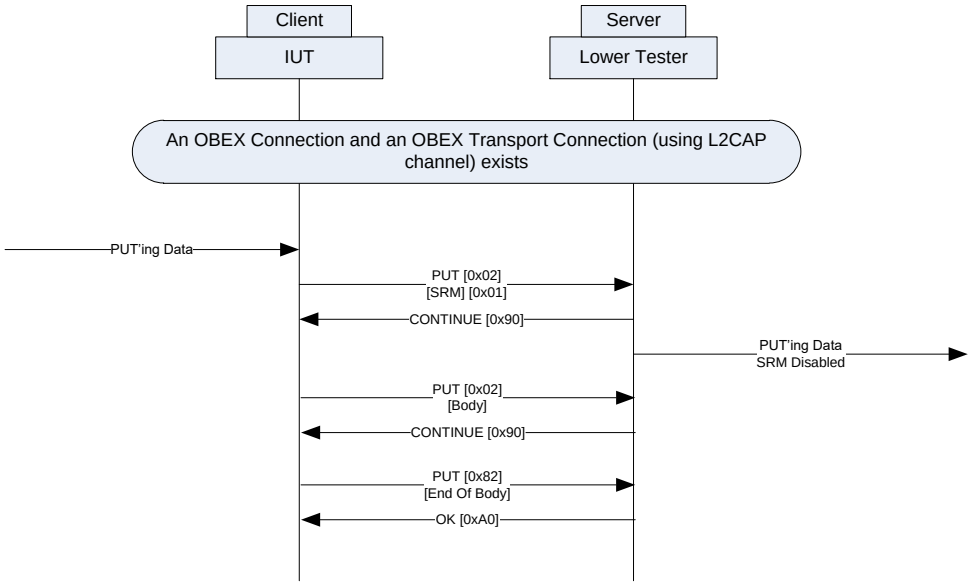

Figure 4.7: GOEP/SRM/BV-01-C [Server does not wish to use SRM during a PUT request]

- Expected Outcome

  Pass verdict

  The IUT sends a PUT [0x02] request and a SRM header [0x01] indicating SRM to be enabled for the PUT request.

  On receiving the CONTINUE response from Lower Tester without a SRM header, the IUT proceeds with the PUT request with SRM disabled (assuming the object to be transferred is large enough to span multiple OBEX packets).

  The PUT operation completes successfully.

GOEP/SRM/BV-03-C [IUT issues a PUT request with SRM enabled – Initiate PUT]

- Test Purpose

  Verify that the Client issues a PUT request with a valid SRM header value, i.e. 0x01, wanting SRM to be enabled for the PUT transaction.

- Reference

  [3] 4.6, 5.5.1

- Initial Condition
  - The IUT supports Single Response Mode (SRM).
  - An OBEX Connection and an OBEX Transport Connection (using L2CAP channel) exists.
  - The PUT object is large enough to span multiple OBEX packets.

- Test Procedure

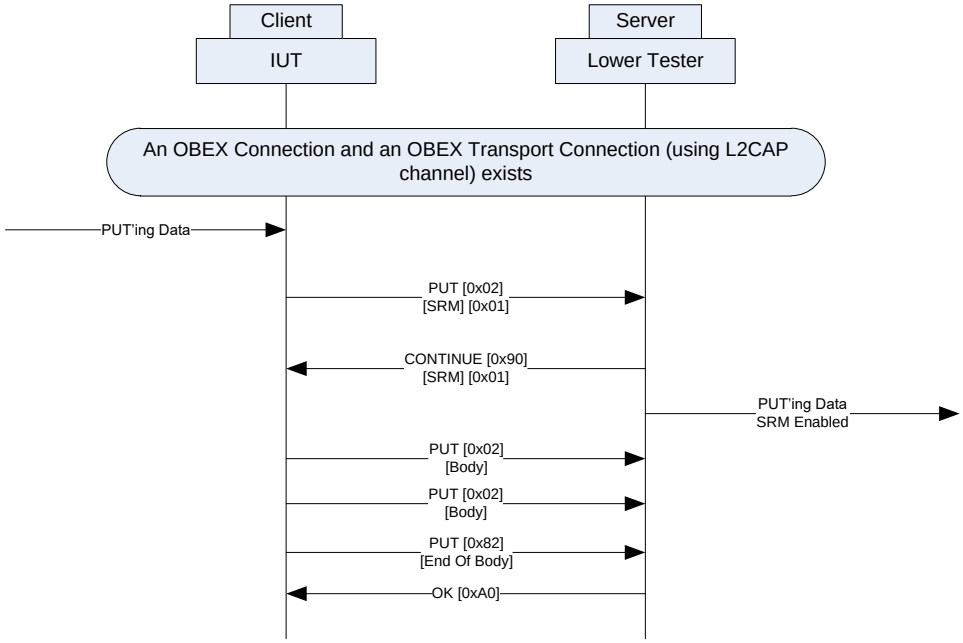

Figure 4.8: GOEP/SRM/BV-03-C [IUT issues a PUT request with SRM enabled – Initiate PUT]

- Expected Outcome

  Pass verdict

  The IUT sends a PUT [0x02] request with a SRM [0x01] header indicating SRM to be enabled for the PUT request.

  On receiving the CONTINUE response from the Lower Tester with a SRM [0x01] header, the IUT proceeds with the PUT request with SRM enabled (assuming the object to be transferred is large enough to span multiple OBEX packets).

  The PUT operation completes successfully.

GOEP/SRM/BV-04-C [IUT issues a PUT response with SRM enabled – Receive PUT]

- Test Purpose

  Verify that the Server issues a PUT response with a valid SRM header value, i.e. 0x01, wanting SRM to be enabled for the PUT transaction.

- Reference

  [3] 4.6, 5.5.1

- Initial Condition

  - The IUT supports Single Response Mode (SRM).
  - An OBEX Connection and an OBEX Transport Connection (using L2CAP channel) exists.
  - The PUT object is large enough to span multiple OBEX packets.

- Test Procedure

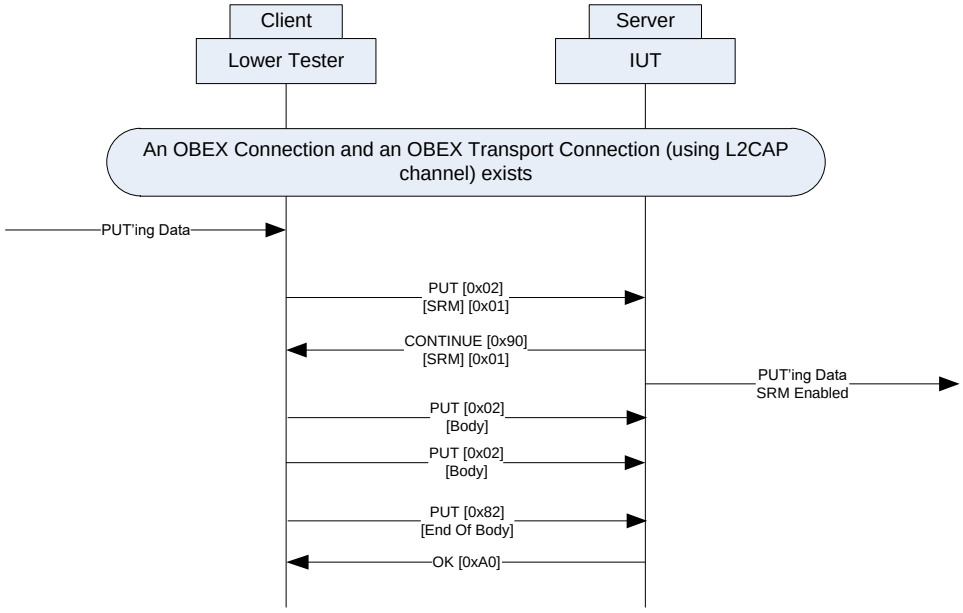

Figure 4.9: GOEP/SRM/BV-04-C [IUT issues a PUT response with SRM enabled – Receive PUT]

- Expected Outcome

  Pass verdict

  On receiving the PUT request from the Lower Tester with SRM [0x01] header value, the IUT sends a CONTINUE [0x90] response with a SRM [0x01] header.

  The IUT proceeds with the PUT request with SRM enabled.

  The PUT operation completes successfully.

GOEP/SRM/BV-05-C [Server does not wish to use SRM during a GET request]

- Test Purpose

  Verify that Single Response Mode (SRM) is not used during a GET request if the Server does not wish to use SRM.

- Reference

  [3] 4.6

- Initial Condition

  - The IUT supports Single Response Mode (SRM).
  - An OBEX Connection and an OBEX Transport Connection (using L2CAP channel) exists.

- Test Procedure

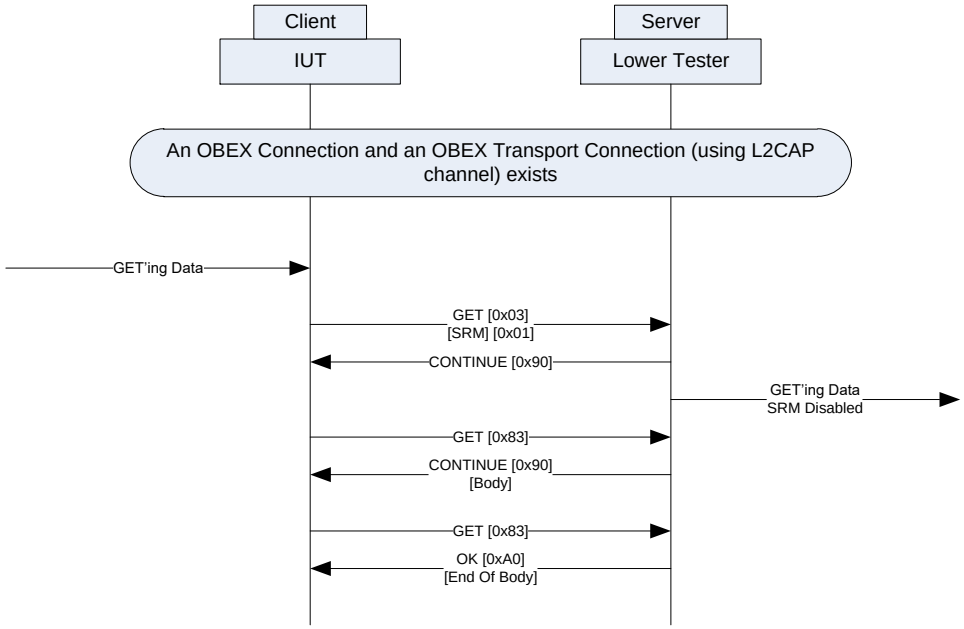

Figure 4.10: GOEP/SRM/BV-05-C [Server does not wish to use SRM during a GET request]

- Expected Outcome

  Pass verdict

  The IUT sends a GET [0x03] request and a SRM header [0x01] indicating SRM to be enabled for the GET request.

  On receiving the CONTINUE response from the Lower Tester without a SRM header, the IUT proceeds with the GET request with SRM disabled.

  The GET operation completes successfully.

GOEP/SRM/BV-07-C [IUT issues a GET request with SRM enabled – Initiate GET]

- Test Purpose

  Verify that the Client issues a GET request with a valid SRM header value, i.e. 0x01, wanting SRM to be enabled for the GET transaction.

- Reference

  [3] 4.6, 5.6.1

- Initial Condition

  - The IUT supports Single Response Mode (SRM).
  - An OBEX Connection and an OBEX Transport Connection (using L2CAP channel) exists.

- Test Procedure

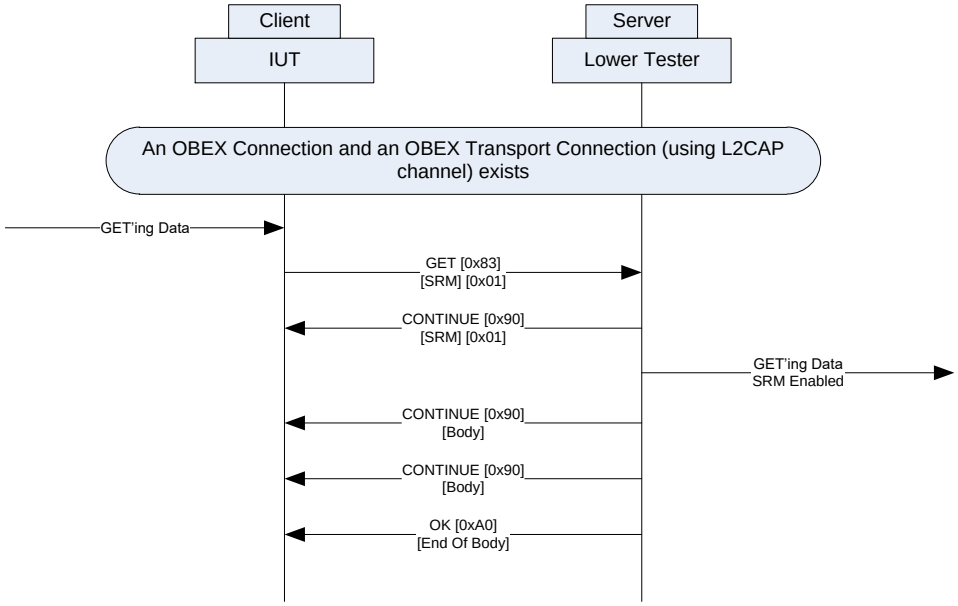

Figure 4.11: GOEP/SRM/BV-07-C [IUT issues a GET request with SRM enabled – Initiate GET]

- Expected Outcome

  Pass verdict

  The IUT sends a GET [0x83] request with a SRM [0x01] header requesting SRM to be enabled for the GET request.

  On receiving the CONTINUE response from the Lower Tester with a SRM [0x01] header, the IUT proceeds with the GET request with SRM enabled.

  The GET operation completes successfully.

GOEP/SRM/BV-08-C [IUT issues a GET response w/ SRM enabled – Receive GET]

- Test Purpose

  Verify that the Server issues a GET response with a valid SRM header value, i.e. 0x01, wanting SRM to be enabled for the GET transaction.

- Reference

  [3] 4.6, 5.6.1

- Initial Condition
  - The IUT supports Single Response Mode (SRM).
  - An OBEX Connection and an OBEX Transport Connection (using L2CAP channel) exists.

- Test Procedure

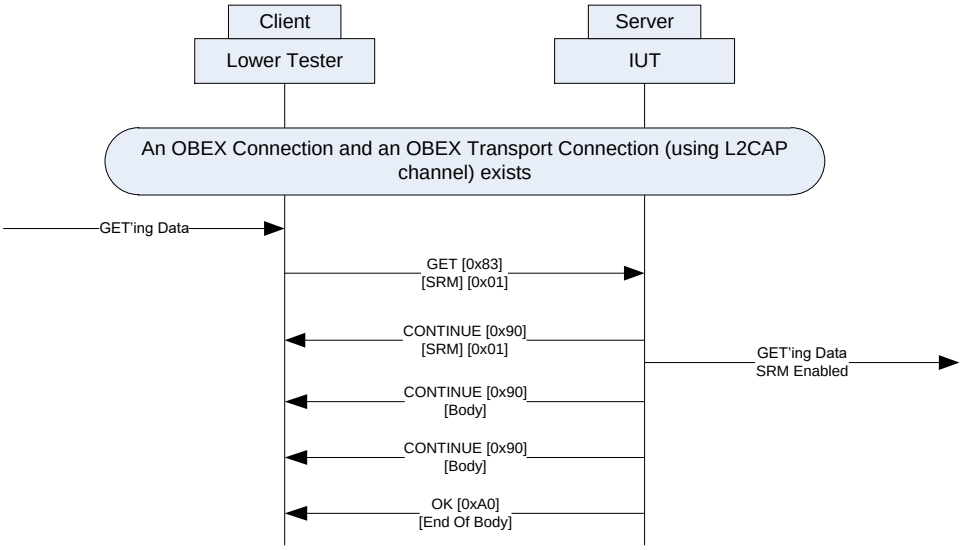

Figure 4.12: GOEP/SRM/BV-08-C [IUT issues a GET response w/ SRM enabled – Receive GET]

- Expected Outcome

  Pass verdict

  On receiving the GET request from the Lower Tester with SRM [0x01] header value, the IUT sends a CONTINUE [0x90] response with a SRM [0x01] header.

  The IUT proceeds with the GET operation with SRM enabled (assuming the object to be transferred is large enough to span multiple OBEX packets).

  The GET operation completes successfully.

GOEP/SRM/BI-02-C [Process a PUT request with an invalid SRM header]

- Test Purpose

  Verify that the Server ignores a SRM header with an invalid value in the PUT request and carries on with the PUT operation with SRM disabled.

- Reference

  [3] 4.6

- Initial Condition
  - The IUT supports Single Response Mode (SRM).
  - An OBEX Connection and an OBEX Transport Connection (using L2CAP channel) exists.
  - The PUT object is large enough to span multiple OBEX packets.

- Test Procedure

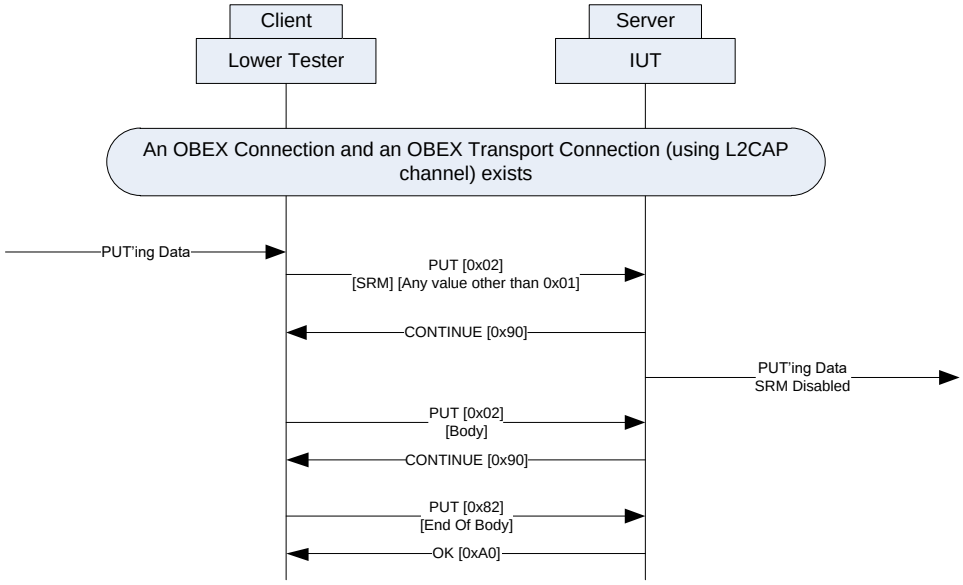

Figure 4.13: GOEP/SRM/BI-02-C [Process a PUT request with an invalid SRM header]

- Expected Outcome

  Pass verdict

  On receiving the PUT request from the Lower Tester with an invalid SRM header value, the IUT proceeds with the PUT request with SRM disabled.

  The PUT operation completes successfully.

GOEP/SRM/BI-03-C [Process an OBEX CONNECT request (incorrectly) containing a SRM header]

- Test Purpose

  Verify that the Server accepts an OBEX Connection request from the Client that (incorrectly) includes a SRM header.

- Reference

  [3] 4.6

- Initial Condition

  - None

- Test Procedure

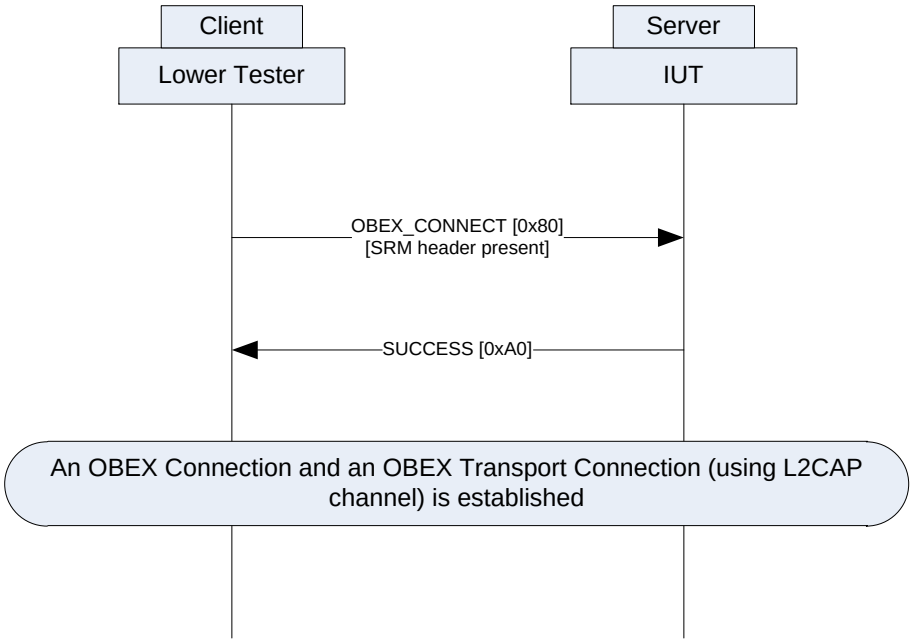

Figure 4.14: GOEP/SRM/BI-03-C [Process an OBEX CONNECT request (incorrectly) containing a SRM header]

- Expected Outcome

  Pass verdict

  On receiving the invalid SRM header in the OBEX_CONNECT request, the IUT responds with a SUCCESS without a SRM header.

  OBEX/L2CAP channel is established.

GOEP/SRM/BI-05-C [Process a GET request with an invalid SRM header]

- Test Purpose

  Verify that the Server ignores a SRM header with an invalid value in the GET request and carries on with the GET operation with SRM disabled.

- Reference

  [3] 4.6

- Initial Condition
  - The IUT supports Single Response Mode (SRM).
  - An OBEX Connection and an OBEX Transport Connection (using L2CAP channel) exists.

- Test Procedure

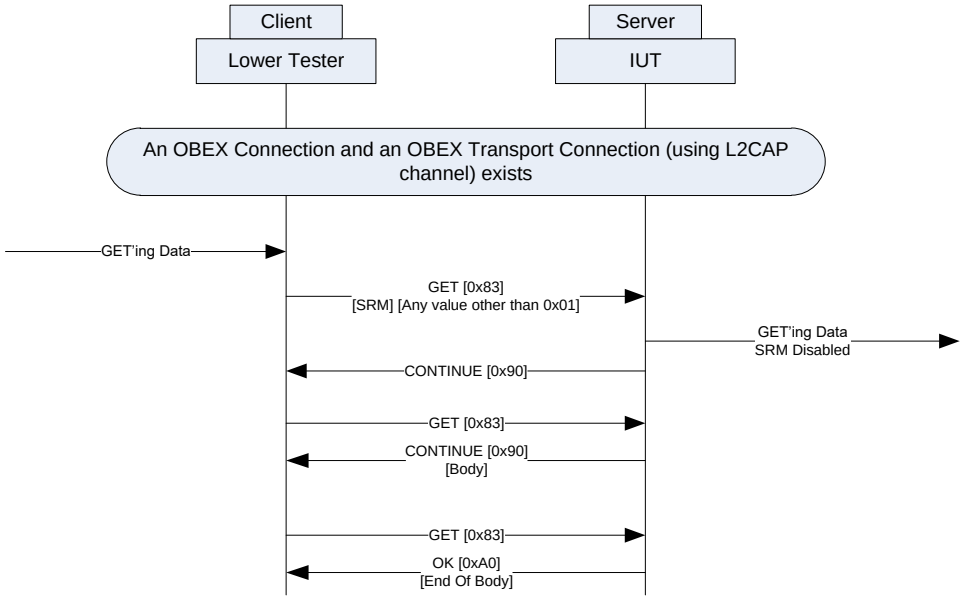

Figure 4.15: GOEP/SRM/BI-05-C [Process a GET request with an invalid SRM header]

- Expected Outcome

  Pass verdict

  On receiving the GET request from the Lower Tester with an invalid SRM header value, the IUT proceeds with the GET request with SRM disabled.

  The GET operation completes successfully.

4.5 Single Response Mode Parameters

GOEP/SRMP/BV-01-C [IUT receives a PUT response with SRM enabled and a SRMP wait header]

- Test Purpose

  Verify that the Client keeps issuing PUT requests until the remote device stops sending SRMP wait headers.

- Reference

  [3] 4.6.1, 4.6.2

- Initial Condition

  - The IUT supports Single Response Mode (SRM) and Single Response Mode Parameters (SRMP).
  - An OBEX Connection and an OBEX Transport Connection (using L2CAP channel) exists.
  - The PUT object is large enough to span multiple OBEX packets.

- Test Procedure

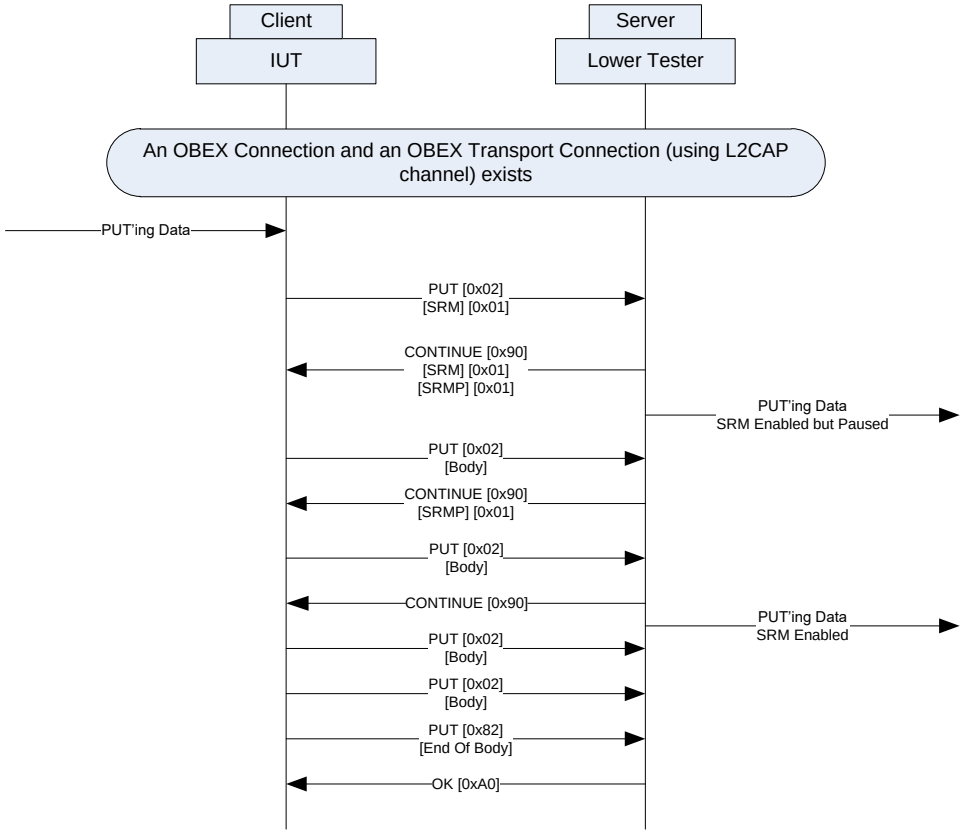

Figure 4.16: GOEP/SRMP/BV-01-C [IUT receives a PUT response with SRM enabled and a SRMP wait header]

- Expected Outcome

  Pass verdict

  The IUT sends a PUT [0x02] request with a SRM [0x01] header.

  The IUT keeps sending PUT requests until the response from the Lower Tester does not contain a SRMP header; meaning that SRM is now enabled and can be used. Henceforth, the IUT sends remaining body/end-of-body headers without waiting for a response from the Lower Tester.

  The PUT operation completes successfully with SRM enabled.

GOEP/SRMP/BV-02-C [IUT receives a GET request with SRM enabled and a SRMP wait header]

- Test Purpose

  Verify that the Server keeps waiting for GET requests until the remote device stops sending SRMP wait headers.

- Reference

  [3] 4.6.1, 4.6.2

- Initial Condition

  - The IUT supports Single Response Mode (SRM) and Single Response Mode Parameters (SRMP).

- An OBEX Connection and an OBEX Transport Connection (using L2CAP channel) exists.

- Test Procedure

  The test procedure below is derived from Table 4.3 in GOEP section 4.6.1 and represents how the SRMP “wait” header may be used.

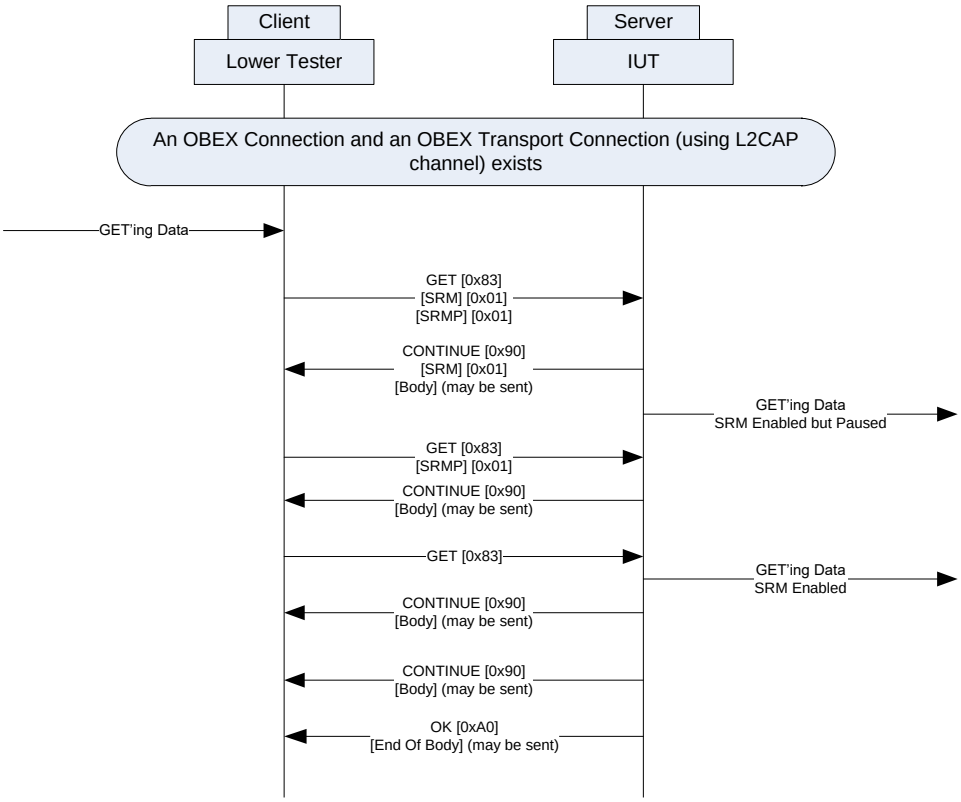

Figure 4.17: GOEP/SRMP/BV-02-C [IUT receives a GET request with SRM enabled and a SRMP wait header]

- Expected Outcome

  Pass verdict

  On receiving the GET [0x83] request from the Lower Tester with a SRM [0x01] header and a SRMP [0x01] header, the IUT responds with a CONTINUE [0x90] message with a SRM [0x01] header.

  The IUT keeps waiting for GET requests until the request from the Lower Tester does not contain a SRMP header; meaning that SRM is now enabled and can be used. Body data may be included and the IUT may send remaining body/end-of-body headers without waiting for a request from the Lower Tester.

  The GET operation completes successfully with SRM enabled.

GOEP/SRMP/BV-03-C [IUT does not include an invalid SRMP header in the PUT response]

- Test Purpose

  Verify that the Server does not issue a PUT response containing a SRMP header with some value other than 0x01.

- Reference

  [3] 4.6.1

- Initial Condition
  - The IUT supports Single Response Mode (SRM) and Single Response Mode Parameters (SRMP).
  - The IUT supports sending a SRMP header, through its UI, when required.
  - An OBEX Connection and an OBEX Transport Connection (using L2CAP channel) exists.
  - The PUT object is large enough to span multiple OBEX packets.
- Test Procedure

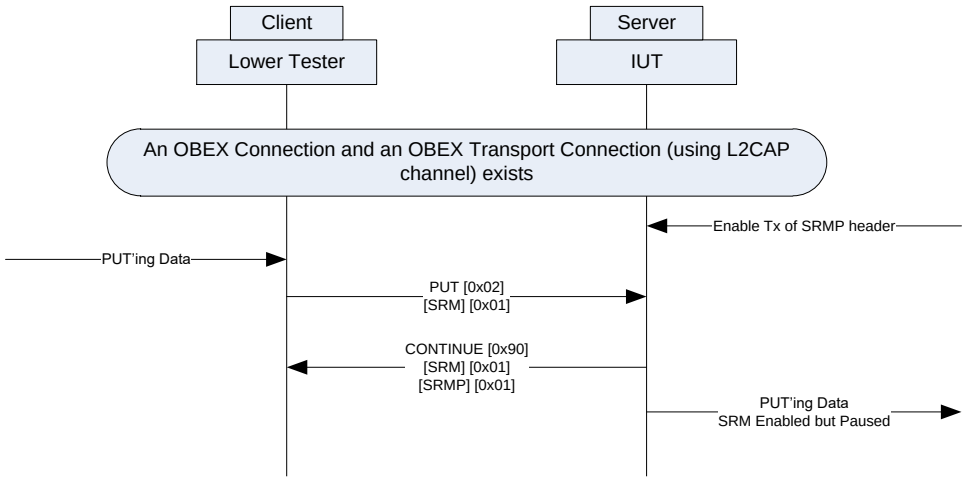

Figure 4.18: GOEP/SRMP/BV-03-C [IUT does not include an invalid SRMP header in the PUT response]

- Expected Outcome

  Pass verdict

  On receiving the PUT [0x02] request with a SRM [0x01] header from the Lower Tester, the IUT sends a CONTINUE [0x90] response with a SRM [0x01] header. It also includes a SRMP header (through its UI) with a value of 0x01 asking the Lower Tester to hold off on starting SRM.

GOEP/SRMP/BV-04-C [IUT does not include an invalid SRMP header in the GET request]

- Test Purpose

  Verify that the Client does not issue a GET request containing a SRMP header with some value other than 0x01.

- Reference

  [3] 4.6.1

- Initial Condition
  - The IUT supports Single Response Mode (SRM) and Single Response Mode Parameters (SRMP).
  - The IUT supports sending a SRMP header, through its UI, when required.
  - An OBEX Connection and an OBEX Transport Connection (using L2CAP channel) exists.

- Test Procedure

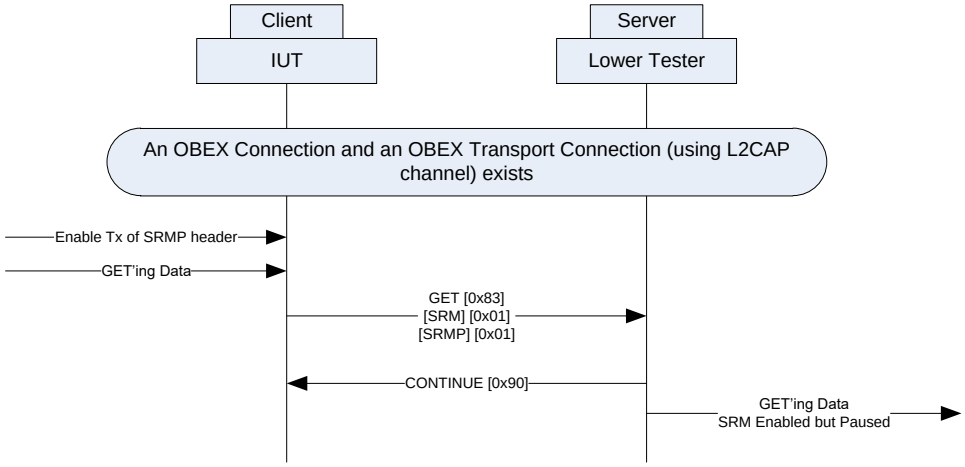

Figure 4.19: GOEP/SRMP/BV-04-C [IUT does not include an invalid SRMP header in the GET request]

- Expected Outcome

  Pass verdict

  The IUT sends a GET [0x83] request with a SRM [0x01] header. It also includes a SRMP header (through its UI) with a value of 0x01 asking the Lower Tester to hold off on starting SRM.

GOEP/SRMP/BV-05-C [IUT and Lower Tester include a SRMP header during the GET operation]

- Test Purpose

  Verify that the Client can GET an object when both devices use SRMP.

- Reference

  [3] 4.6.1

- Initial Condition

  - The IUT supports Single Response Mode (SRM) and Single Response Mode Parameters (SRMP).
  - The IUT supports sending a SRMP header, through its UI, when required.
  - An OBEX Connection and an OBEX Transport Connection (using L2CAP channel) exists.

- Test Procedure

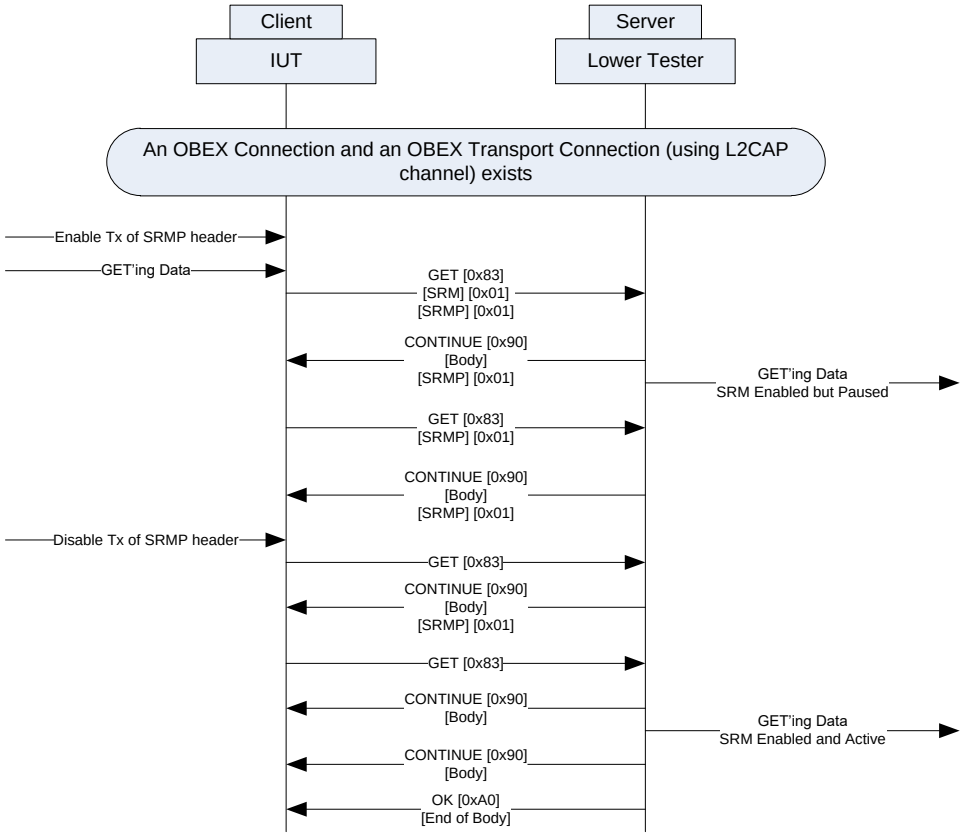

Figure 4.20: GOEP/SRMP/BV-05-C [IUT and Lower Tester include a SRMP header during the GET operation]

- Expected Outcome

  Pass verdict

  The IUT sends a GET [0x83] request with a SRM [0x01] header and a SRMP [0x01] header.

  The IUT issues additional GET requests as long as the Lower Tester sends GET responses with a SRMP [0x01] header.

  The IUT transmits a GET request with an SRMP header after the IUT is commanded to enable transmission of SRMP headers.

  The GET operation completes successfully.

GOEP/SRMP/BV-06-C [IUT receives a GET response with SRM enabled and a SRMP wait header]

- Test Purpose

  Verify that the Client keeps sending GET requests until the remote device stops sending SRMP wait headers in GET responses.

- Reference

  [3] 4.6.1, 4.6.2

- Initial Condition
  - The IUT supports Single Response Mode (SRM) and Single Response Mode Parameters (SRMP).
  - An OBEX Connection and an OBEX Transport Connection (using L2CAP channel) exists.
- Test Procedure

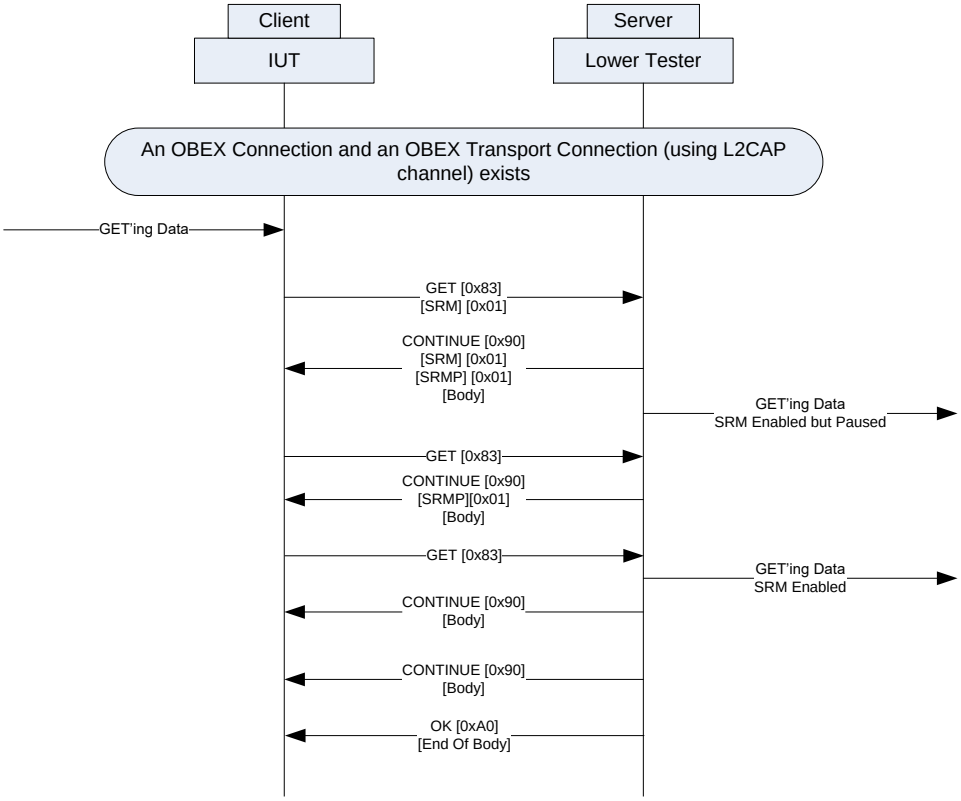

Figure 4.21: GOEP/SRMP/BV-06-C [IUT receives a GET response with SRM enabled and a SRMP wait header]

- Expected Outcome

  Pass verdict

  On receiving the Continue [0x90] response from Lower Tester with a SRM [0x01] header and a SRMP [0x01] header, the IUT responds with a GET request message without an SRM [0x01] header.

  The IUT keeps issuing GET requests until the response from Lower Tester does not contain a SRMP header; meaning that SRM is now enabled and can be used. Henceforth, the Lower Tester sends remaining body/end-of-body headers without waiting for a request from the IUT.

  The GET operation completes successfully with SRM enabled.

GOEP/SRMP/BI-01-C [IUT ignores an invalid SRMP header from Server during a GET operation (SRM enabled)]

- Test Purpose

  Verify that the IUT ignores an invalid SRMP header received from the Lower Tester while a GET operation (SRM enabled) is in progress and continues with the GET operation.

- Reference

  [3] 4.6.1

- Initial Condition

  - The IUT supports Single Response Mode (SRM) and Single Response Mode Parameters (SRMP).
  - An OBEX Connection and an OBEX Transport Connection (using L2CAP channel) exists.

- Test Procedure

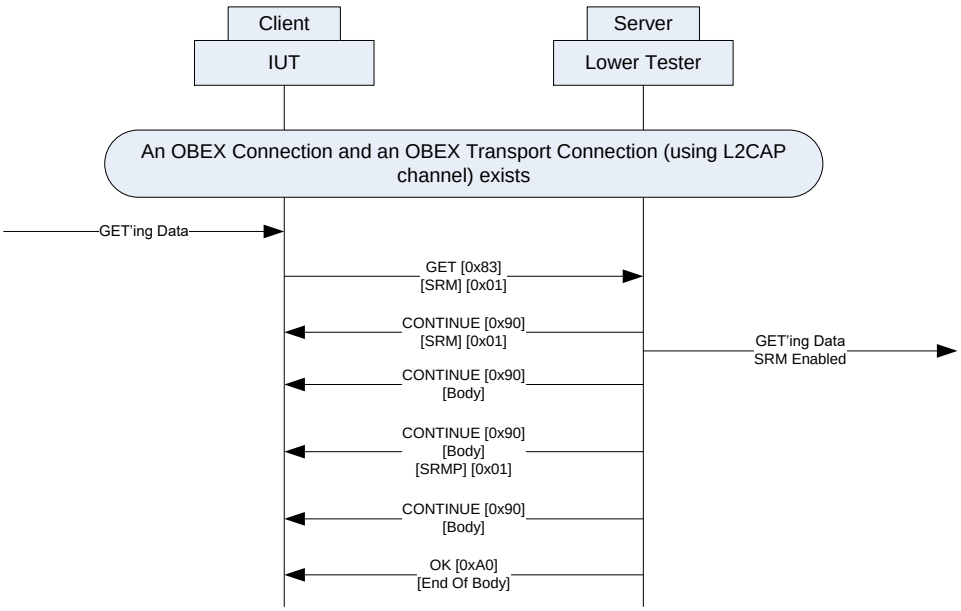

Figure 4.22: GOEP/SRMP/BI-01-C [IUT ignores an invalid SRMP header from Server during a GET operation (SRM enabled)]

- Expected Outcome

  Pass verdict

  The IUT sends a GET [0x83] request with a SRM [0x01] header indicating SRM to be enabled for the GET operation.

  On receiving the CONTINUE response from Lower Tester with a SRM [0x01] header, the IUT proceeds with the GET operation with SRM enabled (assuming the object to be transferred is large enough to span multiple OBEX packets).

  On receiving a CONTINUE response from Lower Tester with an invalid SRMP [0x01] header, the IUT ignores the misplaced SRMP header and the GET operation completes successfully.

GOEP/SRMP/BI-02-C [IUT ignores an invalid SRMP header from the Client during a GET operation (SRM enabled)]

- Test Purpose

  Verify that the IUT ignores an invalid SRMP header from the Lower Tester received while a GET operation (SRM enabled) is in progress and continues with the GET operation.

- Reference

  [3] 4.6.1

- Initial Condition

  - The IUT supports Single Response Mode (SRM) and Single Response Mode Parameters (SRMP).
  - An OBEX Connection and an OBEX Transport Connection (using L2CAP channel) exists.

- Test Procedure

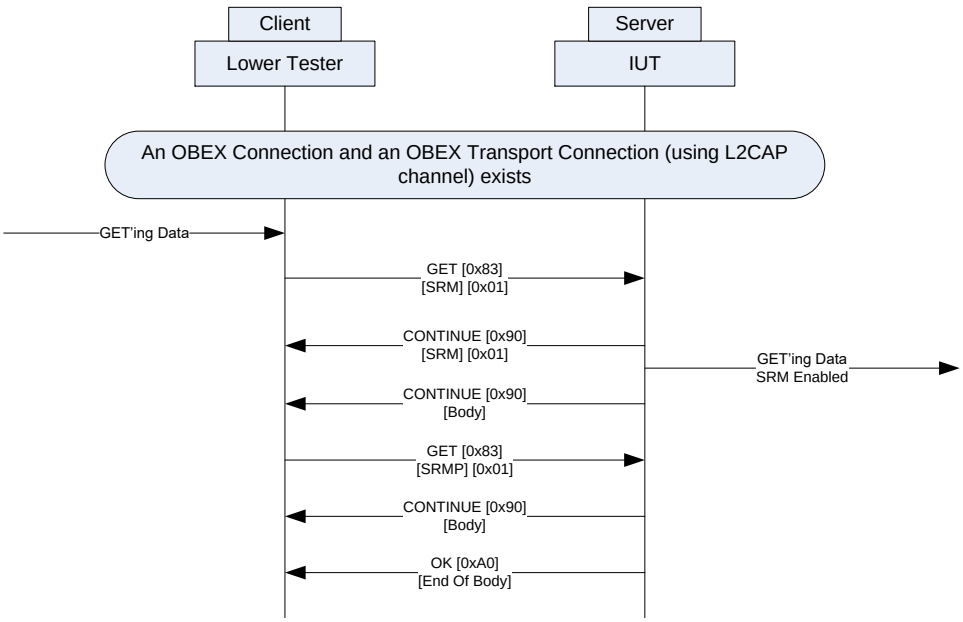

Figure 4.23: GOEP/SRMP/BI-02-C [IUT ignores an invalid SRMP header from the Client during a GET operation (SRM enabled)]

- Expected Outcome

  Pass verdict

  On receiving the GET request from Lower Tester with SRM [0x01] header value, the IUT sends a CONTINUE [0x90] response with a SRM [0x01] header.

  The IUT proceeds with the GET operation with SRM enabled (assuming the object to be transferred is large enough to span multiple OBEX packets).

  On receiving a GET request from Lower Tester with an invalid SRMP [0x01] header, the IUT ignores the misplaced SRMP request and the GET operation completes successfully.

4.6 Reliable Session

GOEP/RLS/BV-01-C [IUT is able to create a Reliable OBEX Session]

- Test Purpose

  Verify that the IUT is able to create a Reliable OBEX Session to the remote device.

- Reference

  [3] 4.8

- Initial Condition
  - The IUT supports Reliable Sessions.
  - L2CAP transport connection has been established.
- Test Procedure

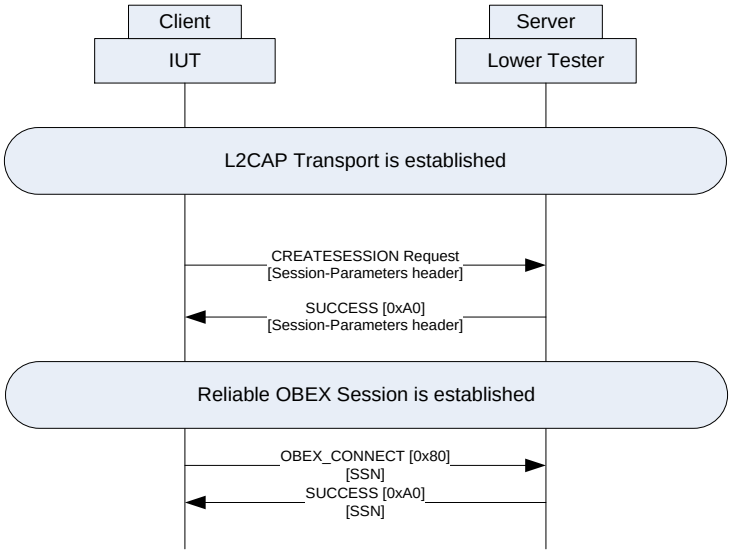

Figure 4.24: GOEP/RLS/BV-01-C [IUT is able to create a Reliable OBEX Session]

- Expected Outcome

  Pass verdict

  The IUT issues a CREATESESSION request containing the Session Parameters header, as the very first header, to the Lower Tester.

  On receiving a SUCCESS [0xA0] for the CREATESESSION request, the IUT sends an OBEX_CONNECT [0x80] request with the SSN header, as the very first header, to be established within the Reliable Session.

GOEP/RLS/BV-02-C [IUT is able to accept a Reliable OBEX Create Session request]

- Test Purpose

  Verify that the IUT is able to accept a Reliable OBEX Create Session request from the remote device.

- Reference

  [3] 4.8, 5.9

- Initial Condition
  - The IUT supports Reliable Sessions.
  - L2CAP transport connection has been established.

- Test Procedure

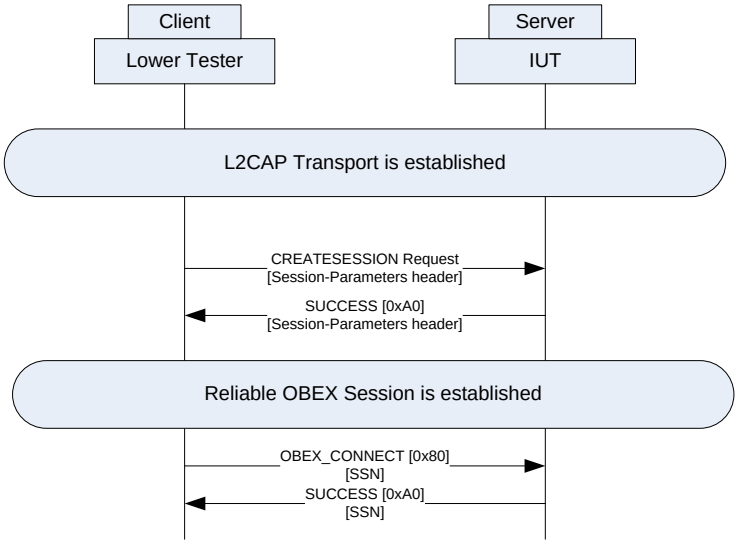

Figure 4.25: GOEP/RLS/BV-02-C [IUT is able to accept a Reliable OBEX Create Session request]

- Expected Outcome

  Pass verdict

  On receiving a CREATESESSION request from Lower Tester, the IUT sends a SUCCESS [0xA0] response containing the Session Parameters header, as the very first header.

  On receiving an OBEX_CONNECT [0x80] request with the SSN header, as the very first header, from the Lower Tester, the IUT sends a SUCCESS [0xA0] response with the SSN header, as the very first header, and the OBEX Connection is established within the Reliable Session.

GOEP/RLS/BV-03-C [IUT rejects a Reliable OBEX Session request when an Active Session exists]

- Test Purpose

  Verify that the IUT rejects a Reliable OBEX Session request when an Active Session already exists on the same transport.

- Reference

  [3] 4.8, 5.9

- Initial Condition

  - The IUT supports Reliable Sessions.
  - L2CAP transport connection has been established.

- Test Procedure

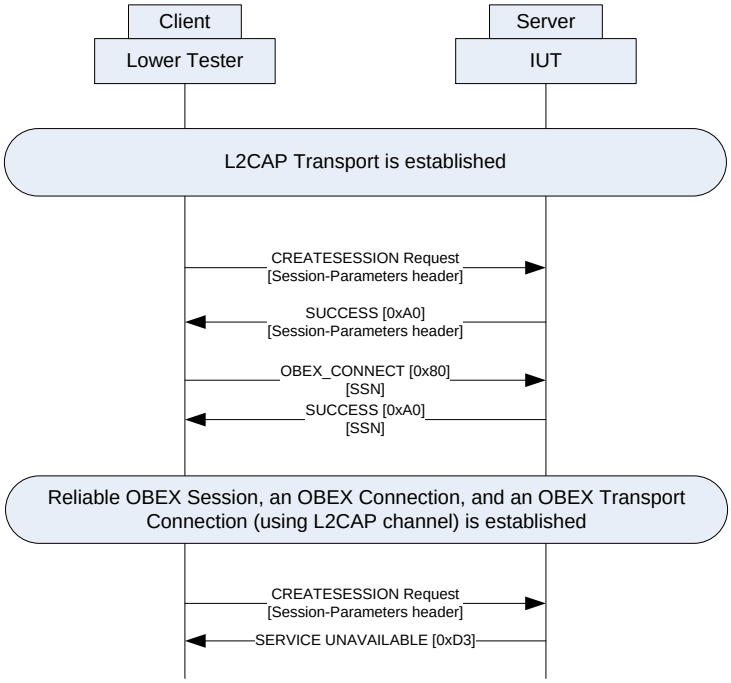

Figure 4.26: GOEP/RLS/BV-03-C [IUT rejects a Reliable OBEX Session request when an Active Session exists]

- Expected Outcome

  Pass verdict

  On receiving a CREATESESSION request when an Active Session already exists, the IUT sends a SERVICE UNAVAILABLE [0xD3] response disallowing the second active Reliable Session to be created.

GOEP/RLS/BV-04-C [IUT is able to close a Reliable OBEX Session]

- Test Purpose

  Verify that the IUT is able to close a Reliable OBEX Session to the remote device.

- Reference

  [3]4.8

- Initial Condition

  - The IUT supports Reliable Sessions.
  - Reliable OBEX Session, an OBEX Connection, and an OBEX Transport Connection (using L2CAP channel) exists.

- Test Procedure

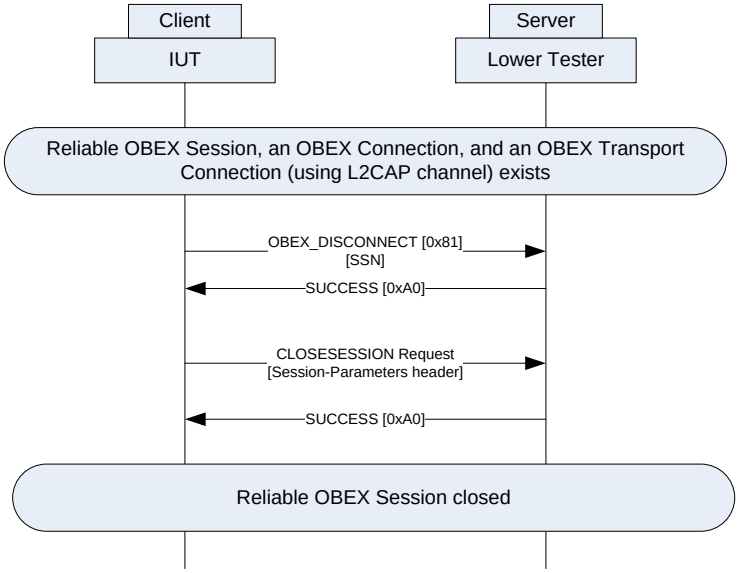

Figure 4.27: GOEP/RLS/BV-04-C [IUT is able to close a Reliable OBEX Session]

- Expected Outcome

  Pass verdict

  The IUT issues an OBEX_DISCONNECT [0x81] request with the SSN header, as the very first header, to Lower Tester.

  On receiving a SUCCESS [0xA0] for the OBEX_DISCONNECT request, the IUT sends a CLOSESESSION request containing the Session Parameters header, as the very first header, to the Lower Tester.

  On receiving a SUCCESS [0xA0] for the CLOSESESSION request, the Reliable OBEX Session is closed.

GOEP/RLS/BV-05-C [IUT is able to Suspend/Resume a Reliable OBEX Session (no OBEX operation)]

- Test Purpose

  Verify that the IUT is able to Suspend/Resume a Reliable OBEX Session without any ongoing OBEX operation.

- Reference

  [3] 4.8, 5.9, 5.10

- Initial Condition

  - The IUT supports Reliable Sessions.
  - Reliable OBEX Session, an OBEX Connection, and an OBEX Transport Connection (using L2CAP channel) exists.

- Test Procedure

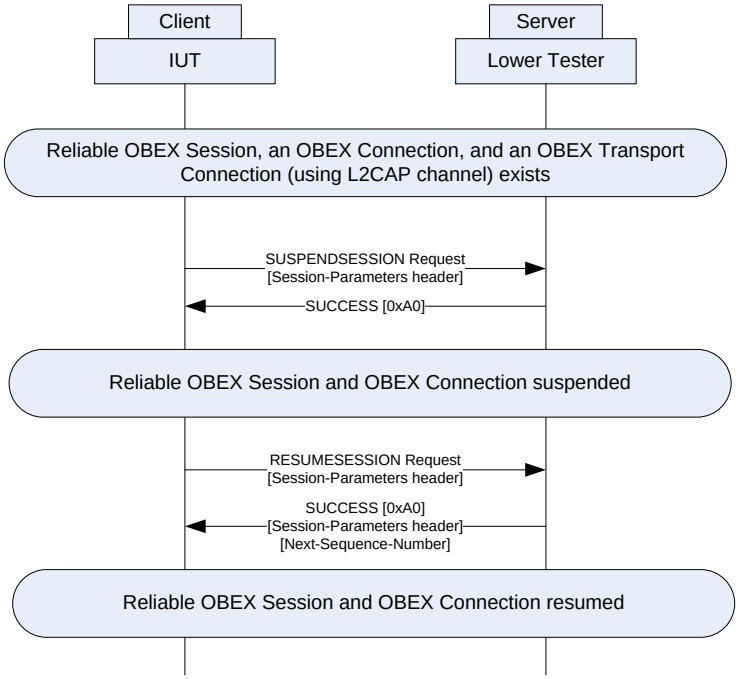

Figure 4.28: GOEP/RLS/BV-05-C [IUT is able to Suspend/Resume a Reliable OBEX Session (no OBEX operation)]

- Expected Outcome

  Pass verdict

  The IUT issues *a SUSPENDSESSION* request containing the Session Parameters header, as the very first header, to the Lower Tester.

  On receiving a SUCCESS [0xA0] for the SUSPENDSESSION request, the Reliable OBEX Session and the OBEX Connection are suspended.

  The IUT issues a RESUMESESSION request containing the Session Parameters header, as the very first header, to the Lower Tester.

  On receiving a SUCCESS [0xA0] for the RESUMESESSION request, the Reliable OBEX Session and the OBEX Connection are resumed.

GOEP/RLS/BV-06-C [IUT is able to accept Suspend/Resume of Reliable OBEX Session (no OBEX operation)]

- Test Purpose

  Verify that the IUT is able to accept a Suspend/Resume of Reliable OBEX Session without any ongoing OBEX operation.

- Reference

  [3] 4.8, 5.9, 5.10

- Initial Condition

  - The IUT supports Reliable Sessions.

- Reliable OBEX Session, an OBEX Connection, and an OBEX Transport Connection (using L2CAP channel) exists.

- Test Procedure

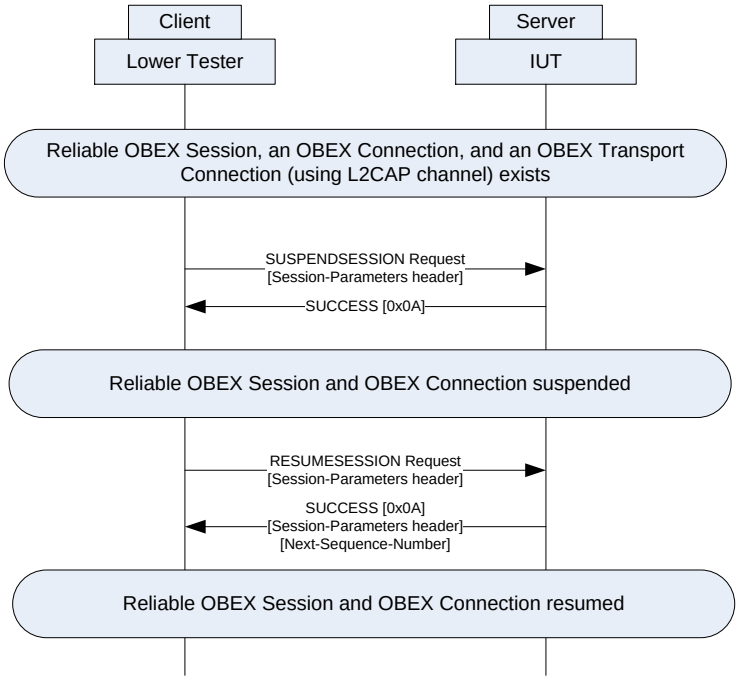

Figure 4.29: GOEP/RLS/BV-06-C [IUT is able to accept Suspend/Resume of Reliable OBEX Session (no OBEX operation)]

- Expected Outcome

  Pass verdict

  On receiving a SUSPENDSESSION request containing the Session Parameters header, as the very first header, from the Lower Tester, the IUT sends a SUCCESS [0xA0] response and the Reliable OBEX Session and OBEX Connection is suspended.

  On receiving a RESUMESESSION request from the Lower Tester, the IUT sends a SUCCESS [0xA0] response containing the Session Parameters header, as the very first header, and the Reliable OBEX Session and OBEX Connection is correctly resumed.

GOEP/RLS/BV-08-C [IUT is able to accept a Reliable OBEX Close Session request]

- Test Purpose

  Verify that the IUT is able to accept a Reliable OBEX Close Session request from the remote device.

- Reference

  [3] 4.8, 5.11

- Initial Condition

  - The IUT supports Reliable Sessions.
  - Reliable OBEX Session, an OBEX Connection, and an OBEX Transport Connection (using L2CAP channel) exists.

- Test Procedure

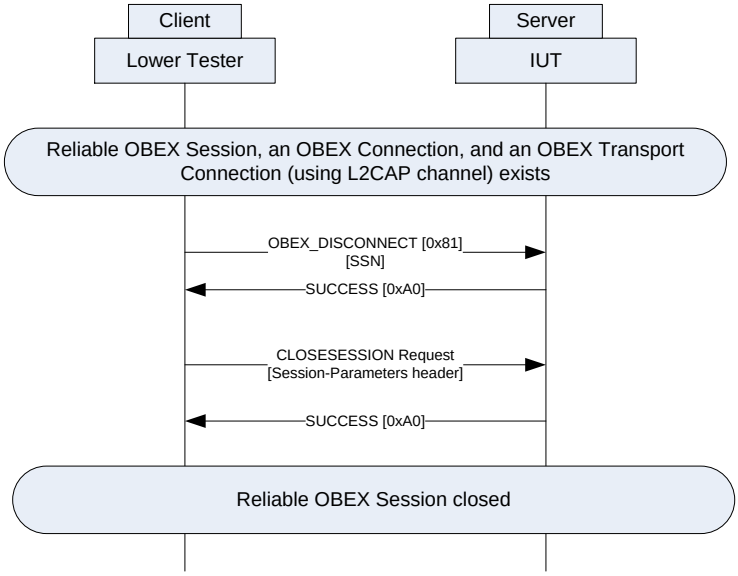

Figure 4.30: GOEP/RLS/BV-08-C [IUT is able to accept a Reliable OBEX Close Session request]

- Expected Outcome

  Pass verdict

  On receiving a CLOSESESSION request from Lower Tester, the IUT sends a SUCCESS [0xA0] response followed by a Session-Parameters header.

  On receiving an OBEX_DISCONNECT [0x81] request with the SSN header, as the very first header, from Lower Tester, the IUT sends a SUCCESS [0xA0] response.

GOEP/RLS/BV-09-C [IUT is able to Suspend/Resume a PUT operation when SRM is disabled]

- Test Purpose

  Verify that the IUT is able to Suspend/Resume a PUT operation (SRM disabled) to the remote device.

- Reference

  [3] 4.8, 5.9, 5.10

- Initial Condition

  - The IUT supports Reliable Sessions and Single Response Mode (SRM).
  - Reliable OBEX Session, an OBEX Connection, and an OBEX Transport Connection (using L2CAP channel) exists.
  - The PUT object is large enough to span multiple OBEX packets.

- Test Procedure

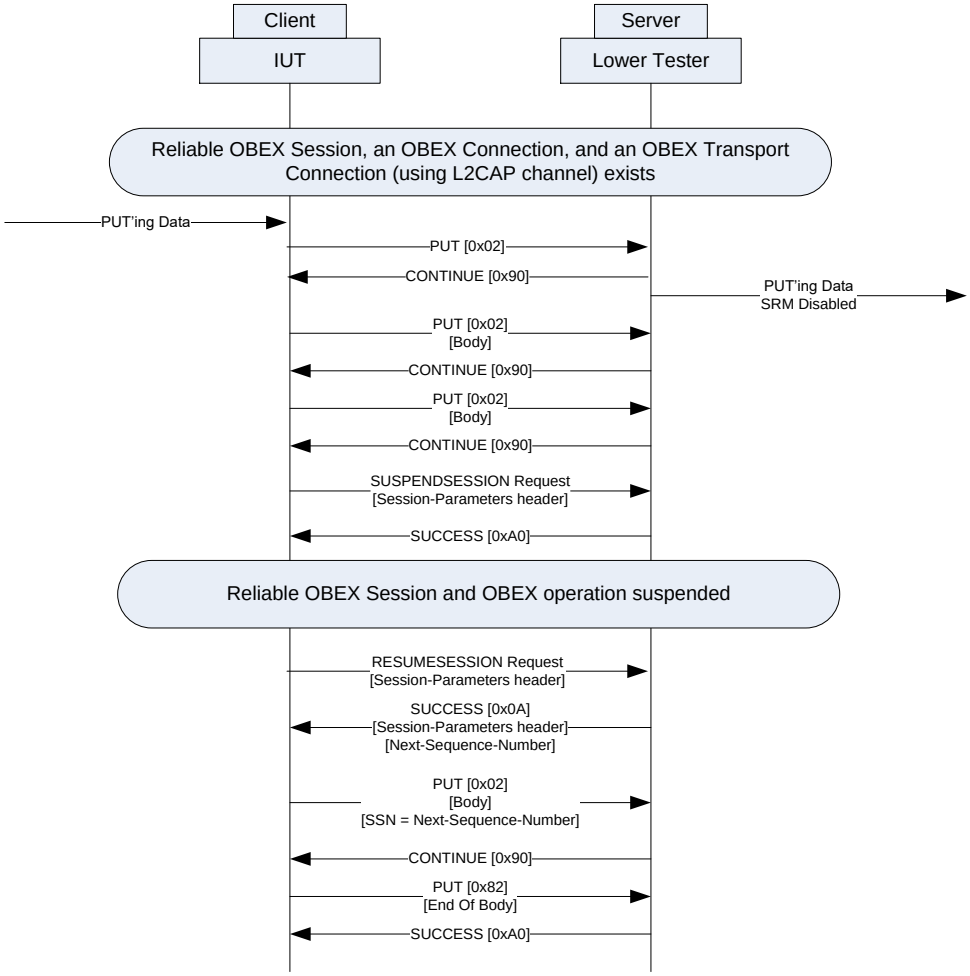

Figure 4.31: GOEP/RLS/BV-09-C [IUT is able to Suspend/Resume a PUT operation when SRM is disabled]

- Expected Outcome

  Pass verdict

  When the PUT operation (with SRM disabled) is in progress, the IUT issues a SUSPENDSESSION request containing the Session Parameters header, as the very first header, to the Lower Tester.

  On receiving a SUCCESS [0xA0] for the SUSPENDSESSION request, the Reliable OBEX Session, OBEX Connection and the OBEX operation are suspended.

  In order to resume the interrupted session, the IUT issues a RESUMESESSION request containing the Session Parameters header, as the very first header, to the Lower Tester.

  On receiving a SUCCESS [0xA0] for the RESUMESESSION request, the Reliable OBEX Session, OBEX Connection and the PUT operation (with SRM disabled) are correctly resumed i.e., the IUT uses the Next-Sequence-Number as the SSN in the immediately-following PUT request.

GOEP/RLS/BV-10-C [IUT is able to Suspend/Resume a GET operation when SRM is disabled]

- Test Purpose

  Verify that the IUT is able to Suspend/Resume a GET operation (SRM disabled) to the remote device.

- Reference

  [3] 4.8, 5.9, 5.10

- Initial Condition

  - The IUT supports Reliable Sessions and Single Response Mode (SRM).
  - Reliable OBEX Session, an OBEX Connection, and an OBEX Transport Connection (using L2CAP channel) exists.

- Test Procedure

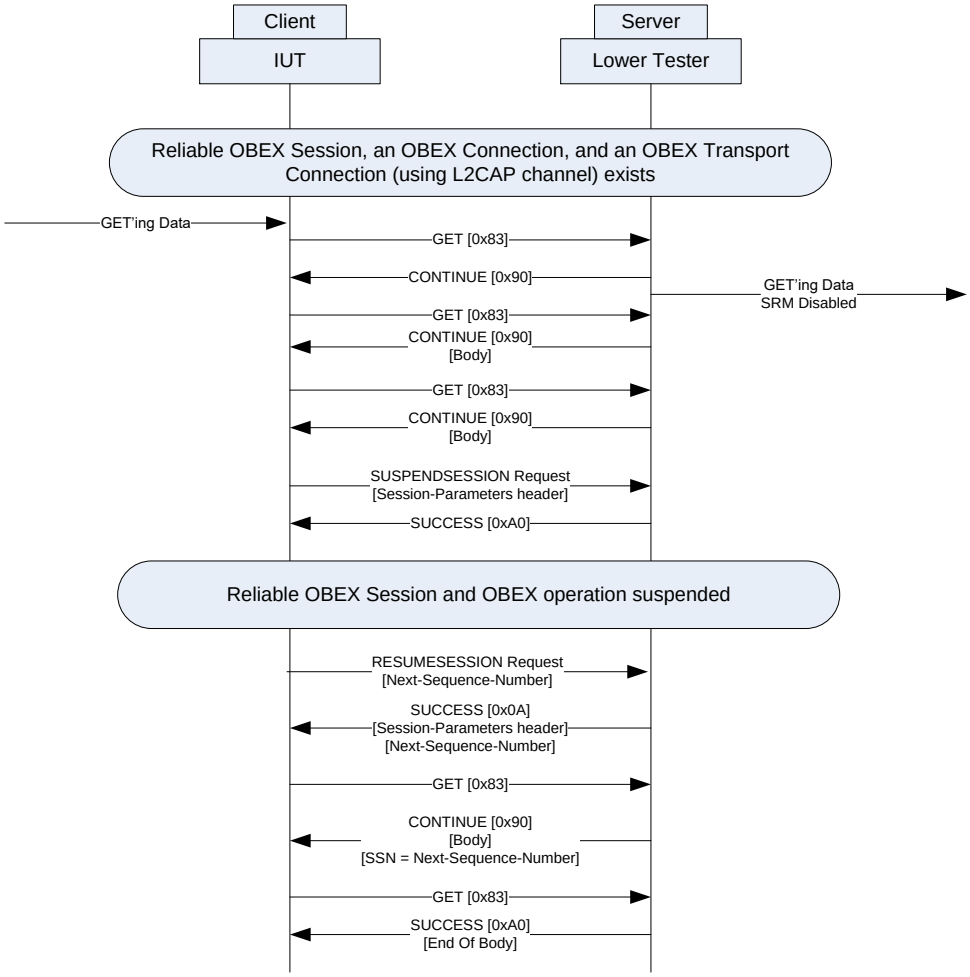

Figure 4.32: GOEP/RLS/BV-10-C [IUT is able to Suspend/Resume a GET operation when SRM is disabled]

- Expected Outcome

  Pass verdict

  When the GET operation (with SRM disabled) is in progress, the IUT issues a SUSPENDSESSION request containing the Session Parameters header, as the very first header, to the Lower Tester.

  On receiving a SUCCESS [0xA0] for the SUSPENDSESSION request, the Reliable OBEX Session, OBEX Connection and the OBEX operation are suspended.

  In order to resume the interrupted session, the IUT issues a RESUMESESSION request containing the Next-Sequence-Number to the Lower Tester.

  The Reliable OBEX Session, OBEX Connection and the GET operation (with SRM disabled) are correctly resumed.

GOEP/RLS/BV-11-C [IUT is able to accept a Suspend/Resume of PUT operation with SRM disabled]

- Test Purpose

  Verify that the IUT is able to accept a Suspend/Resume of PUT operation (SRM disabled) from the remote device.

- Reference

  [3] 4.8, 5.9, 5.10

- Initial Condition

  - The IUT supports Reliable Sessions and Single Response Mode (SRM).
  - Reliable OBEX Session, an OBEX Connection, and an OBEX Transport Connection (using L2CAP channel) exists.
  - The PUT object is large enough to span multiple OBEX packets.

- Test Procedure

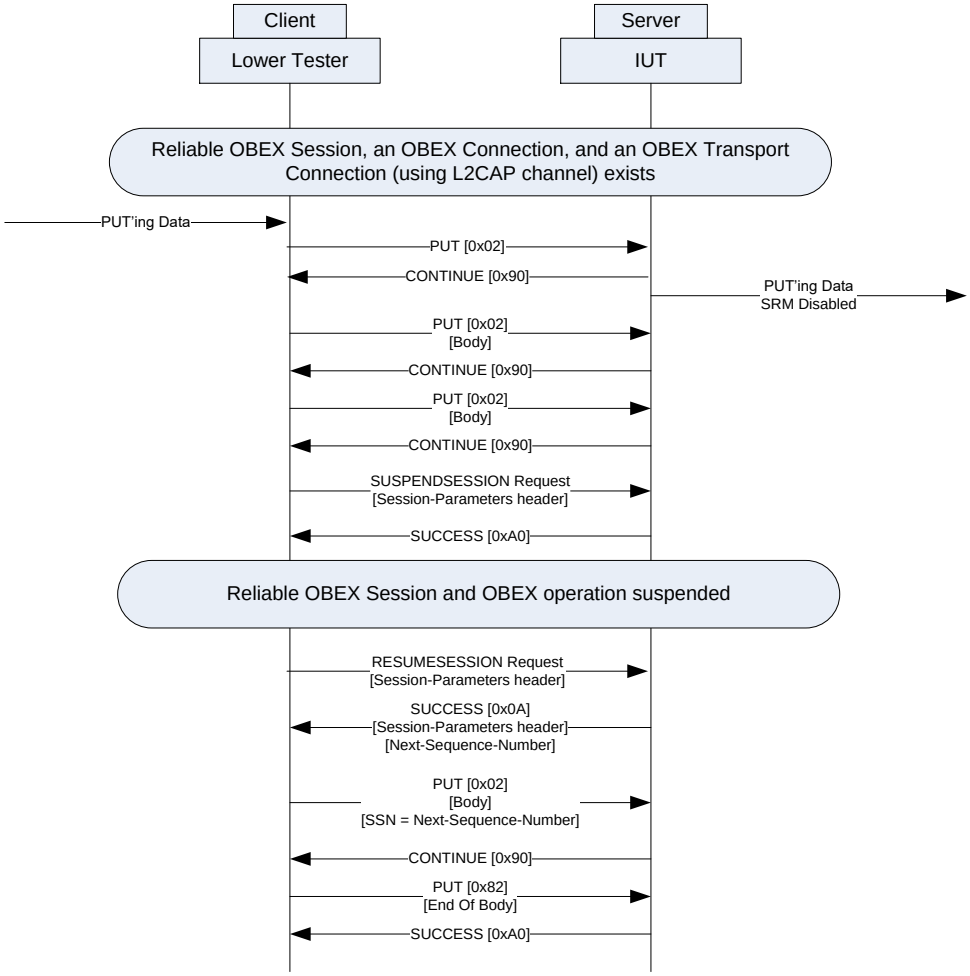

Figure 4.33: GOEP/RLS/BV-11-C [IUT is able to accept a Suspend/Resume of PUT operation with SRM disabled]

- Expected Outcome

  Pass verdict

  On receiving a SUSPENDSESSION request containing the Session Parameters header, as the very first header, from the Lower Tester, the IUT sends a SUCCESS [0xA0] response and the Reliable OBEX Session, OBEX Connection and the OBEX operation are suspended.

  On receiving a RESUMESESSION request from the Lower Tester, the IUT sends a SUCCESS [0xA0] response containing the Session Parameters header, as the very first header, (that includes the Next-Sequence-Number) and the Reliable OBEX Session, OBEX Connection and the OBEX operation are resumed.

  The PUT operation completes successfully.

GOEP/RLS/BV-12-C [IUT is able to accept a Suspend/Resume of GET operation with SRM disabled]

- Test Purpose

  Verify that the IUT is able to accept a Suspend/Resume of GET operation (SRM disabled) from the remote device.

- Reference

  [3] 4.8, 5.9, 5.10

- Initial Condition

  - The IUT supports Reliable Sessions and Single Response Mode (SRM).
  - Reliable OBEX Session, an OBEX Connection, and an OBEX Transport Connection (using L2CAP channel) exists.

- Test Procedure

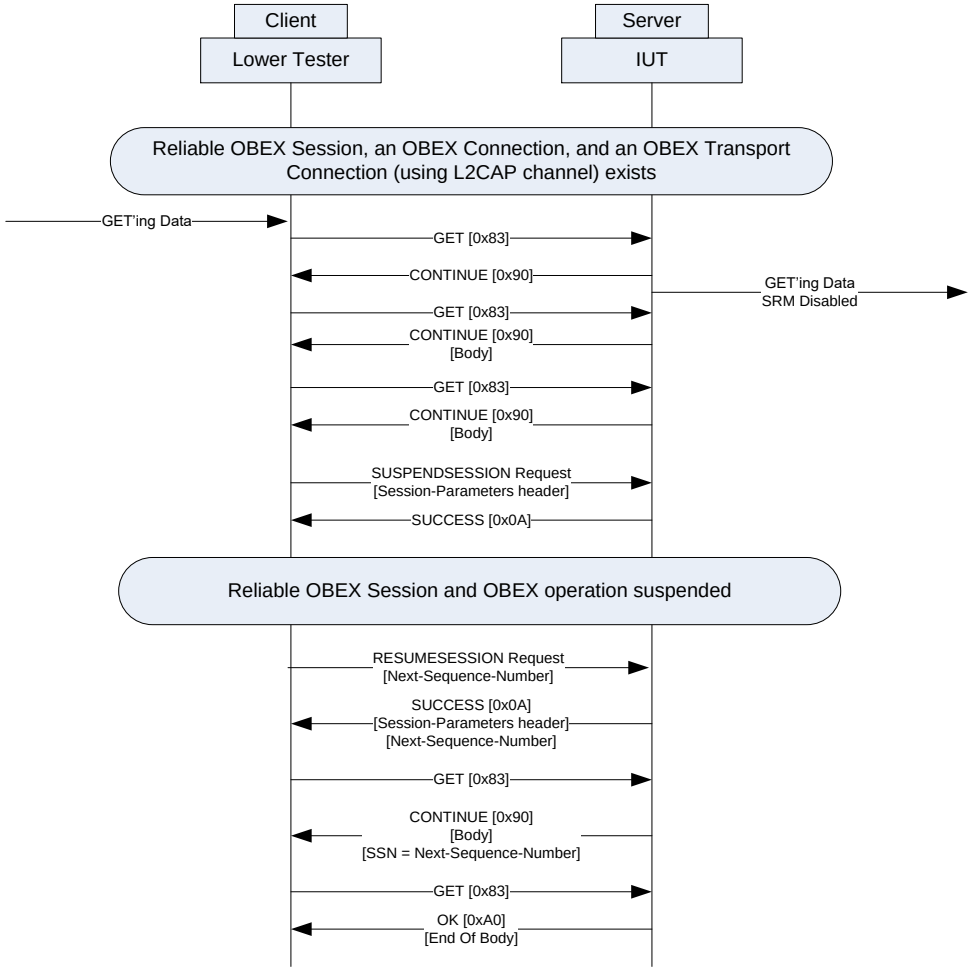

Figure 4.34: GOEP/RLS/BV-12-C [IUT is able to accept a Suspend/Resume of GET operation with SRM disabled]

- Expected Outcome

  Pass verdict

  On receiving a SUSPENDSESSION request containing the Session Parameters header, as the very first header, from the Lower Tester, the IUT sends a SUCCESS [0xA0] response and the Reliable OBEX Session, OBEX Connection and the OBEX operation are suspended.

  On receiving a RESUMESESSION request from the Lower Tester, the IUT sends a SUCCESS [0xA0] response containing the Session Parameters header, as the very first header, (that includes the Next-Sequence-Number that was received in the RESUMESESSION request) and the Reliable OBEX Session, OBEX Connection and the OBEX operation are resumed.

  The GET operation of the large object completes successfully.

4.7 Reliable Session with Single Response Mode

GOEP/SRS/BV-01-C [IUT is able to Suspend/Resume a PUT operation when SRM is enabled]

- Test Purpose

  Verify that the IUT is able to Suspend/Resume a PUT operation (SRM enabled) to the remote device.

- Reference

  [3] 4.6, 4.8, 5.9, 5.10

- Initial Condition

  - The IUT supports Reliable Sessions.
  - Reliable OBEX Session, an OBEX Connection, and an OBEX Transport Connection (using L2CAP channel) exists.
  - The PUT object is large enough to span multiple OBEX packets.

- Test Procedure

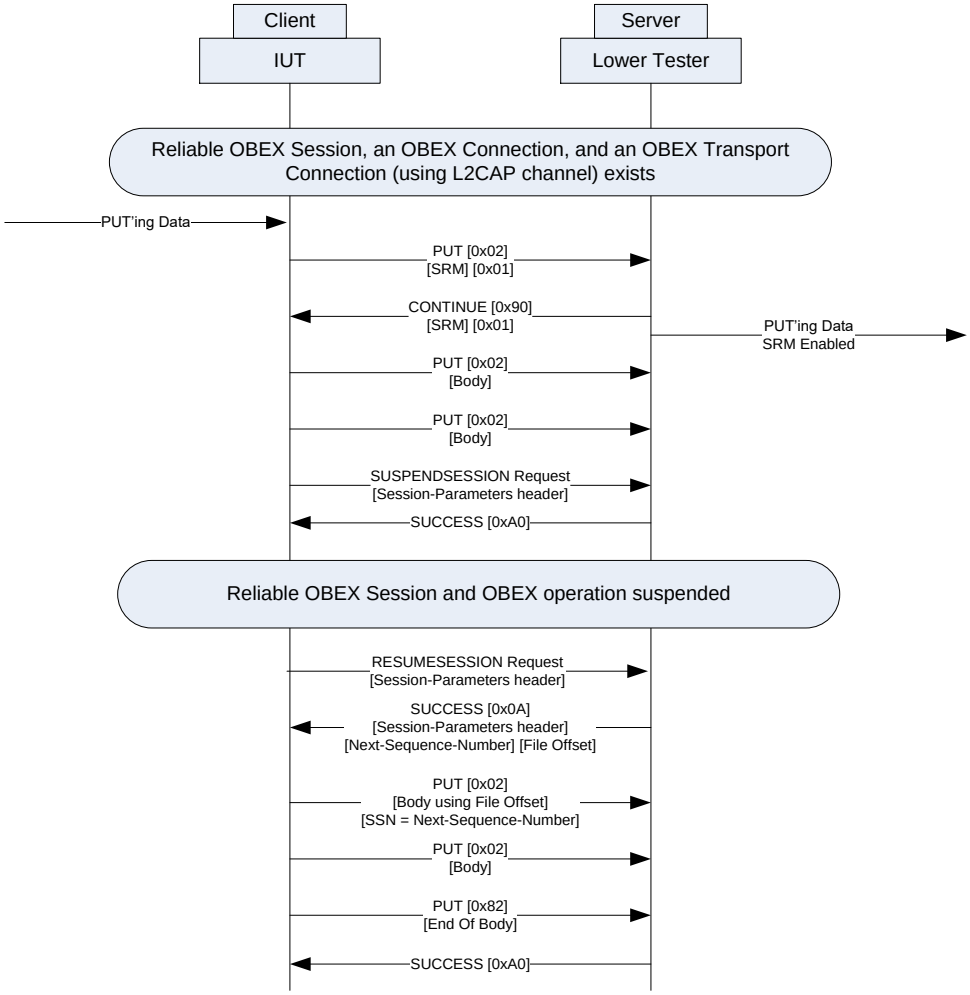

Figure 4.35: GOEP/SRS/BV-01-C [IUT is able to Suspend/Resume a PUT operation when SRM is enabled]

- Expected Outcome

  Pass verdict

  When the PUT operation of a large object (with SRM enabled) is in progress, the IUT issues a SUSPENDSESSION request containing the Session Parameters header, as the very first header, to the Lower Tester.

  On receiving a SUCCESS [0xA0] for the SUSPENDSESSION request, the Reliable OBEX Session, OBEX Connection and the OBEX operation are suspended.

  In order to resume the interrupted session, the IUT issues a RESUMESESSION request containing the Session Parameters header, as the very first header, to the Lower Tester.

  On receiving a SUCCESS [0xA0] for the RESUMESESSION request, the Reliable OBEX Session, OBEX Connection and the PUT operation (with SRM enabled) are correctly resumed i.e. the IUT uses the Next-Sequence-Number as the SSN in the immediately-following PUT request and the File Offset is used to trigger the next body headers' data.

GOEP/SRS/BV-02-C [IUT is able to Suspend/Resume a GET operation when SRM is enabled]

- Test Purpose

  Verify that the IUT is able to Suspend/Resume a GET operation (SRM enabled) to the remote device.

- Reference

  [3] 4.6, 4.8, 5.9, 5.10

- Initial Condition

  - The IUT supports Reliable Sessions and Single Response Mode (SRM).
  - Reliable OBEX Session, an OBEX Connection, and an OBEX Transport Connection (using L2CAP channel) exists.

- Test Procedure

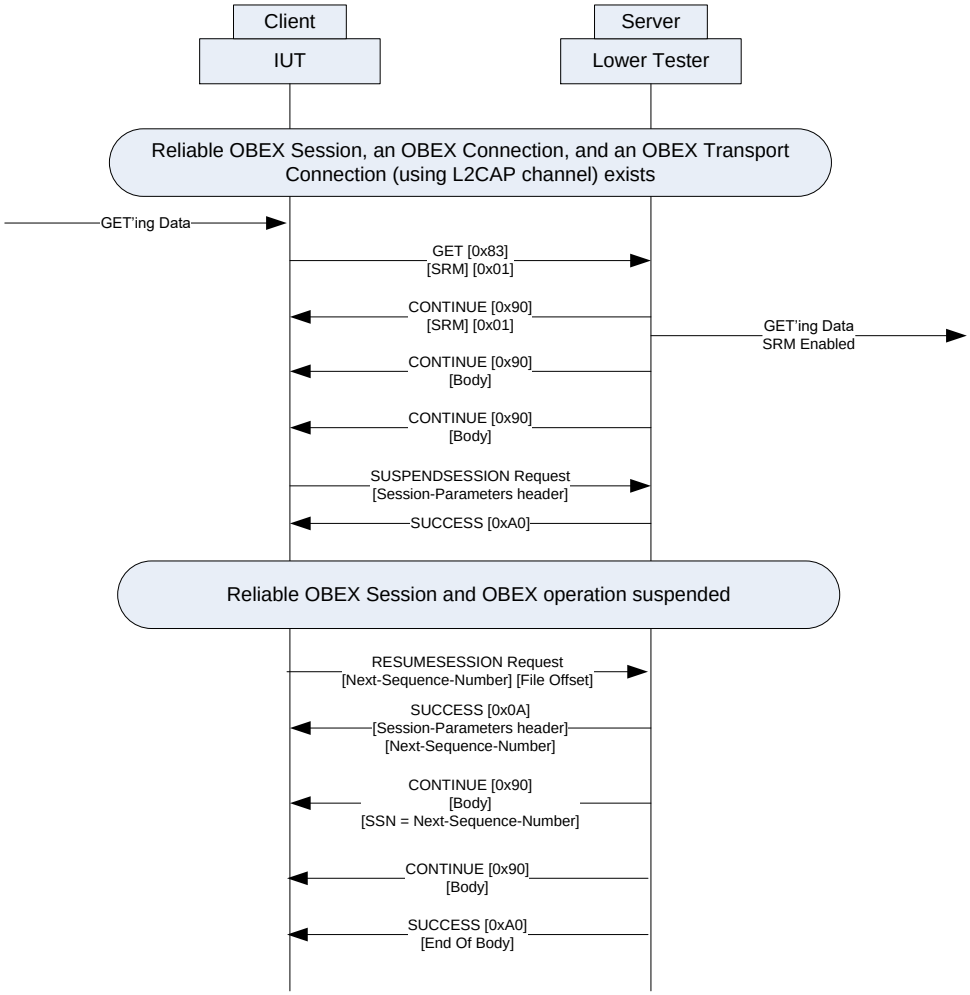

Figure 4.36: GOEP/SRS/BV-02-C [IUT is able to Suspend/Resume a GET operation when SRM is enabled]

- Expected Outcome

  Pass verdict

  When the GET operation (with SRM enabled) is in progress, the IUT issues a SUSPENDSESSION request containing the Session Parameters header, as the very first header, to the Lower Tester.

  On receiving a SUCCESS [0xA0] for the SUSPENDSESSION request, the Reliable OBEX Session, OBEX Connection and the OBEX operation are suspended.

  In order to resume the interrupted session, the IUT issues a RESUMESESSION request containing the Next-Sequence-Number and File Offset to the Lower Tester.

  The Reliable OBEX Session, OBEX Connection and the GET operation (with SRM enabled) are correctly resumed.

GOEP/SRS/BV-03-C [IUT is able to accept a Suspend/Resume of PUT operation with SRM enabled]

- Test Purpose

  Verify that the IUT is able to accept a Suspend/Resume of PUT operation (SRM enabled) from the remote device.

- Reference

  [3] 4.6, 4.8, 5.9, 5.10

- Initial Condition

  - The IUT supports Reliable Sessions and Single Response Mode (SRM).
  - Reliable OBEX Session, an OBEX Connection, and an OBEX Transport Connection (using L2CAP channel) exists.
  - The PUT object is large enough to span multiple OBEX packets.

- Test Procedure

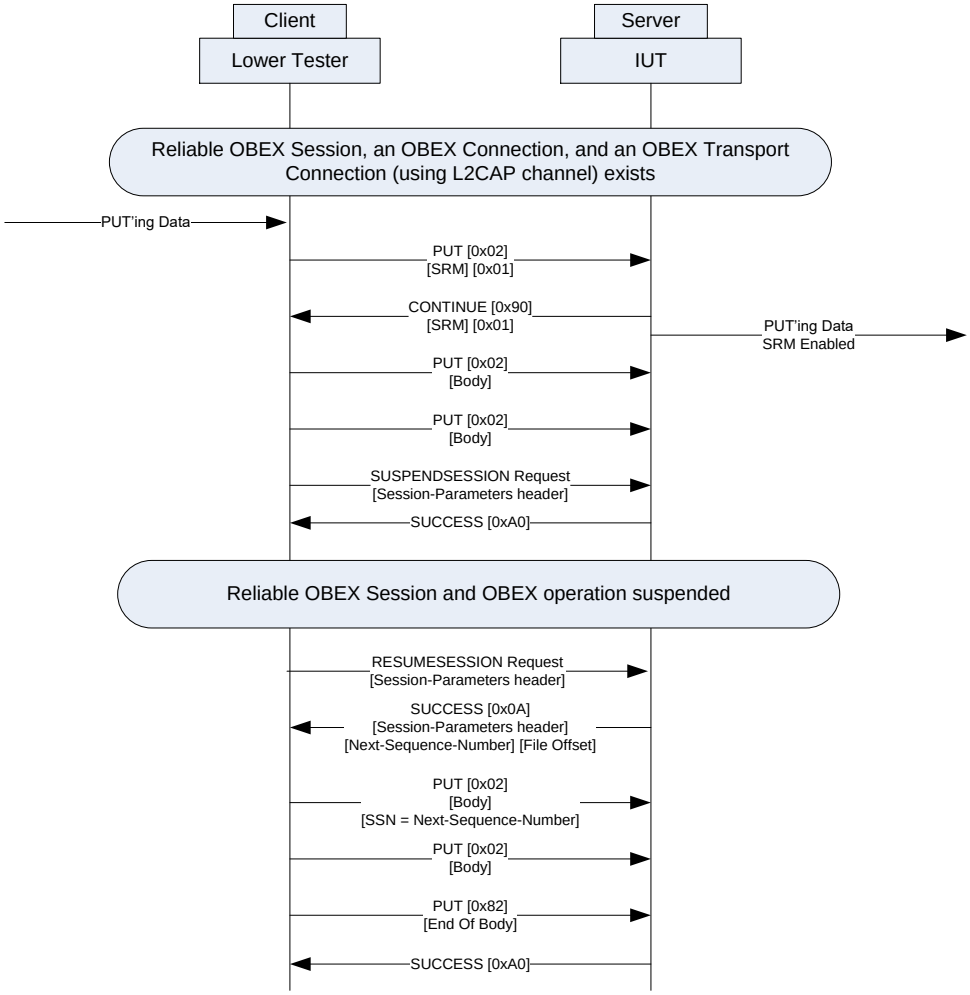

Figure 4.37: GOEP/SRS/BV-03-C [IUT is able to accept a Suspend/Resume of PUT operation with SRM enabled]

- Expected Outcome

  Pass verdict

  On receiving a SUSPENDSESSION request containing the Session Parameters header, as the very first header, from the Lower Tester, the IUT sends a SUCCESS [0xA0] response and the Reliable OBEX Session, OBEX Connection and the OBEX operation are suspended.

  On receiving a RESUMESESSION request from the Lower Tester, the IUT sends a SUCCESS [0xA0] response containing the Session Parameters header, as the very first header, (that includes the Next-Sequence-Number and File Offset) and the Reliable OBEX Session, OBEX Connection and the OBEX operation are resumed.

  The PUT operation completes successfully.

GOEP/SRS/BV-04-C [IUT is able to accept a Suspend/Resume of GET operation with SRM enabled]

- Test Purpose

  Verify that the IUT is able to accept a Suspend/Resume of GET operation (SRM enabled) from the remote device.

- Reference

  [3] 4.6, 4.8, 5.9, 5.10

- Initial Condition

  - The IUT supports Reliable Sessions and Single Response Mode (SRM).
  - Reliable OBEX Session, an OBEX Connection, and an OBEX Transport Connection (using L2CAP channel) exists.

- Test Procedure

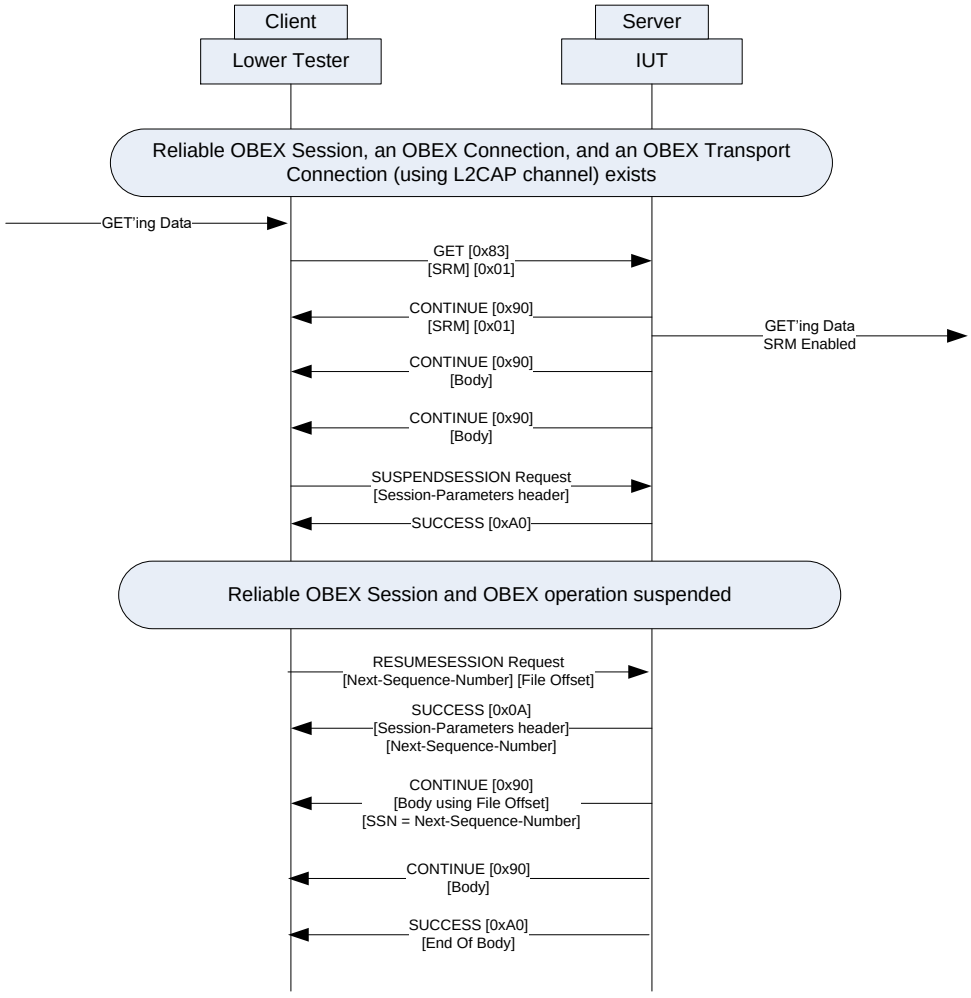

Figure 4.38: GOEP/SRS/BV-04-C [IUT is able to accept a Suspend/Resume of GET operation with SRM enabled]

- Expected Outcome

  Pass verdict

  On receiving a SUSPENDSESSION request containing the Session Parameters header, as the very first header, from the Lower Tester, the IUT sends a SUCCESS [0xA0] response and the Reliable OBEX Session, OBEX Connection and the OBEX operation are suspended.

  On receiving a RESUMESESSION request from the Lower Tester, the IUT sends a SUCCESS [0xA0] response containing the Session Parameters header, as the very first header, (that includes the Next-Sequence-Number that was received in the RESUMESESSION request and the File Offset is used to trigger the next body headers' data) and the Reliable OBEX Session, OBEX Connection and the OBEX operation are resumed.

  The GET operation of the large object completes successfully.

4.8 Action Operation

GOEP/ACT/BV-01-C [IUT is able to issue a COPY command]

- Test Purpose

  Verify that the IUT is able to issue a COPY command to the Lower Tester.

- Reference

  [3] 4.5, 5.7

- Initial Condition

  - The IUT supports Action commands.
  - An OBEX Connection and an OBEX Transport Connection (using L2CAP channel) exists.

- Test Procedure

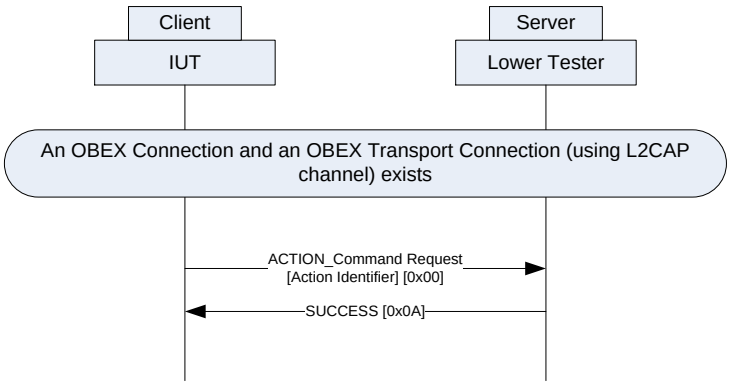

Figure 4.39: GOEP/ACT/BV-01-C [IUT is able to issue a COPY command]

- Expected Outcome

  Pass verdict

  The IUT sends a COPY command including an Action Identifier [0x00], as the very first header to the Lower Tester.

  The COPY command gets performed successfully.

GOEP/ACT/BV-02-C [IUT is able to process a COPY command]

- Test Purpose

  Verify that the IUT is able to process a COPY command from the Lower Tester.

- Reference

  [3] 4.5, 5.7

- Initial Condition

  - The IUT supports Action commands.
  - An OBEX Connection and an OBEX Transport Connection (using L2CAP channel) exists.

- Test Procedure

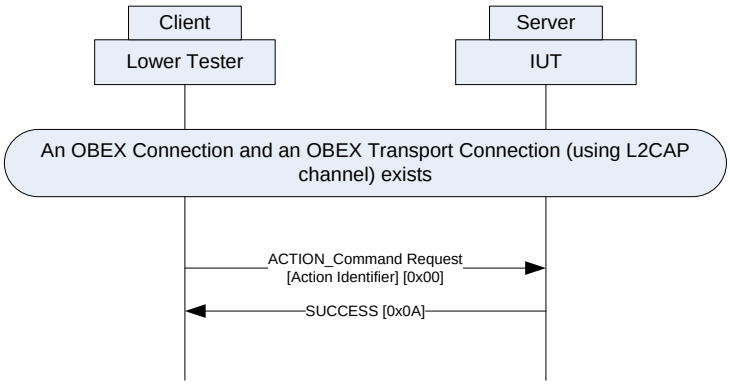

Figure 4.40: GOEP/ACT/BV-02-C [IUT is able to process a COPY command]

- Expected Outcome

  Pass verdict

  On receiving a COPY command including an Action Identifier [0x00], as the very first header from the Lower Tester, the IUT creates a copy of the requested file and sends a SUCCESS [0xA0] response.

GOEP/ACT/BV-03-C [IUT is able to issue a MOVE/RENAME command]

- Test Purpose

  Verify that the IUT is able to issue a MOVE/RENAME command to the Lower Tester.

- Reference

  [3] 4.5, 5.7

- Initial Condition

  - The IUT supports Action commands.
  - An OBEX Connection and an OBEX Transport Connection (using L2CAP channel) exists.

- Test Procedure

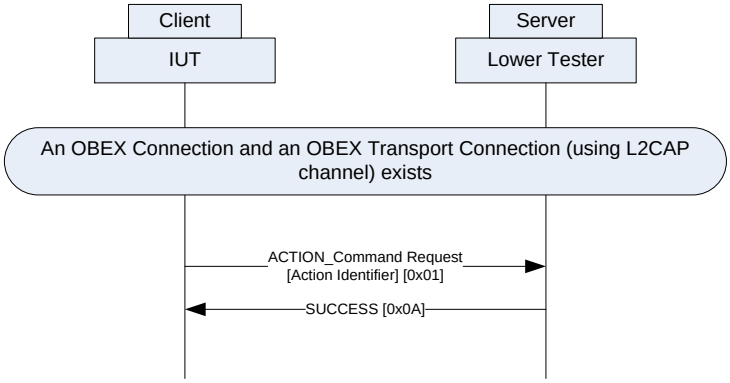

Figure 4.41: GOEP/ACT/BV-03-C [IUT is able to issue a MOVE/RENAME command]

- Expected Outcome

  Pass verdict

  The IUT sends a MOVE/RENAME command including an Action Identifier [0x01], as the very first header to the Lower Tester.

  The MOVE/RENAME command gets performed successfully.

GOEP/ACT/BV-04-C [IUT is able to process a MOVE/RENAME command]

- Test Purpose

  Verify that the IUT is able to process a MOVE/RENAME command from the Lower Tester.

- Reference

  [3]4.5, 5.7

- Initial Condition
  - The IUT supports Action commands.
  - An OBEX Connection and an OBEX Transport Connection (using L2CAP channel) exists.

- Test Procedure

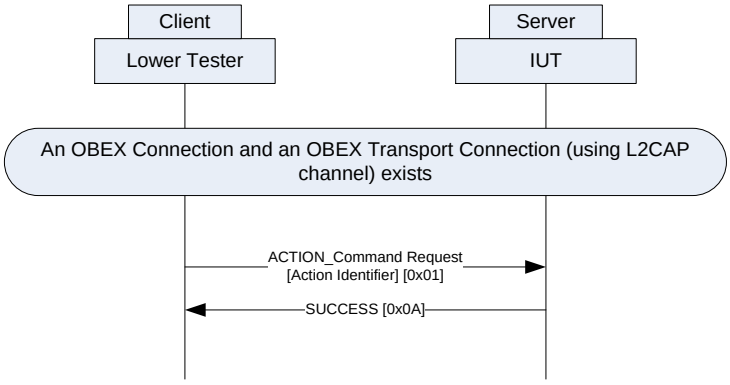

Figure 4.42: GOEP/ACT/BV-04-C [IUT is able to process a MOVE/RENAME command]

- Expected Outcome

  Pass verdict

  On receiving a MOVE/RENAME command including an Action Identifier [0x01], as the very first header from the Lower Tester, the IUT moves/renames the requested file and sends a SUCCESS [0xA0] response.

GOEP/ACT/BV-05-C [IUT is able to issue a SET PERMISSIONS command]

- Test Purpose

  Verify that the IUT is able to issue a SET PERMISSIONS command to the Lower Tester.

- Reference

  [3] 4.5, 5.7

- Initial Condition

  - The IUT supports Action commands.
  - An OBEX Connection and an OBEX Transport Connection (using L2CAP channel) exists.

- Test Procedure

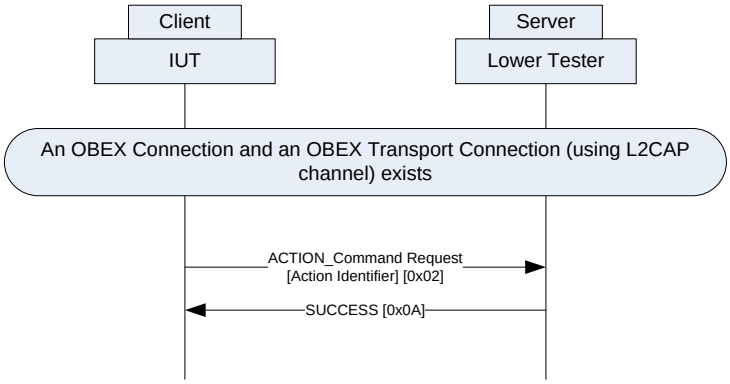

Figure 4.43: GOEP/ACT/BV-05-C [IUT is able to issue a SET PERMISSIONS command]

- Expected Outcome

  Pass verdict

  The IUT sends a SET PERMISSIONS command including an Action Identifier [0x02], as the very first header to the Lower Tester.

  The SET PERMISSIONS command gets performed successfully.

GOEP/ACT/BV-06-C [IUT is able to process a SET PERMISSIONS command]

- Test Purpose

  Verify that the IUT is able to process a SET PERMISSIONS command from the Lower Tester.

- Reference

  [3] 4.5, 5.7

- Initial Condition
  - The IUT supports Action commands.
  - An OBEX Connection and an OBEX Transport Connection (using L2CAP channel) exists.
- Test Procedure

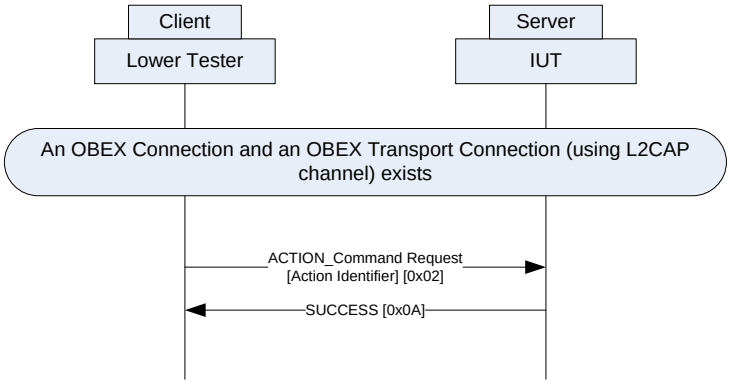

Figure 4.44: GOEP/ACT/BV-06-C [IUT is able to process a SET PERMISSIONS command]

- Expected Outcome

  Pass verdict

  - On receiving a SET PERMISSIONS command including an Action Identifier [0x02], as the very first header from the Lower Tester, the IUT sets the file permissions on requested object and sends a SUCCESS [0xA0] response.

4.9 Robustness

GOEP/ROB/BV-01-C [IUT (Action commands not supported) is able to reject an incoming ACTION command]

- Test Purpose

  Verify that an IUT, that does not support Action Commands, is able to reject an incoming ACTION command.

- Reference

  [3] 4.5, 5.7

- Initial Condition
  - The IUT does not support Action commands.
  - An OBEX Connection and an OBEX Transport Connection (using L2CAP channel) exists.

- Test Procedure

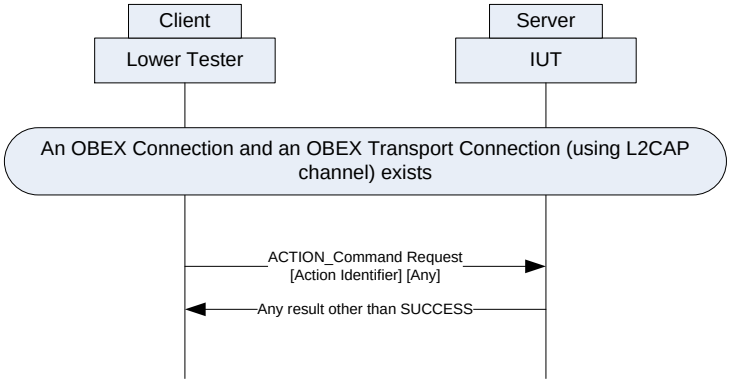

Figure 4.45: GOEP/ROB/BV-01-C [IUT (Action commands not supported) is able to reject an incoming ACTION command]

- Expected Outcome

  Pass verdict

  On receiving an ACTION command from the Lower Tester, the IUT responds with any result other than a SUCCESS, to indicate that it does not support Action commands.

GOEP/ROB/BV-02-C [IUT (Reliable Sessions not supported) is able to reject the request to create a Reliable Session]

- Test Purpose

  Verify that an IUT, that does not support Reliable Sessions, is able to reject an incoming request to create a Reliable Session.

- Reference

  [3] 4.8, 5.9

- Initial Condition

  - The IUT does not support Reliable Sessions.
  - An OBEX Connection and an OBEX Transport Connection (using L2CAP channel) exists.

- Test Procedure

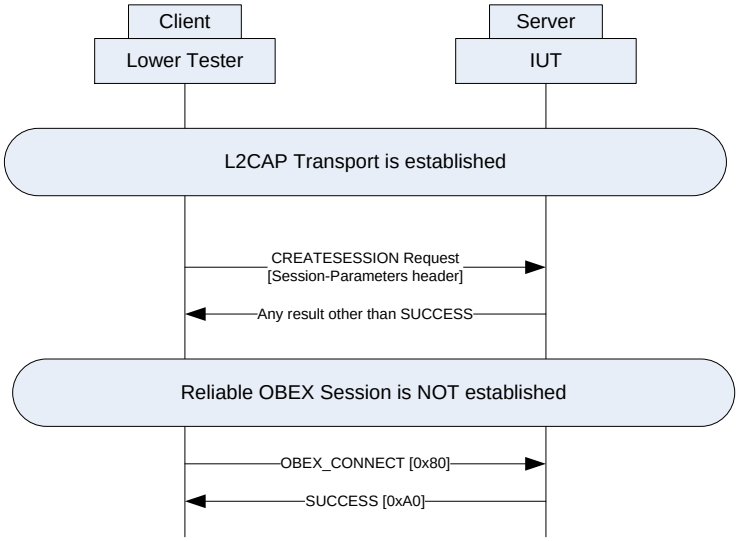

Figure 4.46: GOEP/ROB/BV-02-C [IUT (Reliable Sessions not supported) is able to reject the request to create a Reliable Session]

- Expected Outcome

  Pass verdict

  On receiving a CREATESESSION request from the Lower Tester, the IUT responds with any result other than SUCCESS, to indicate that it does not support Reliable Sessions.

  On receiving an OBEX_CONNECT [0x80] request, the IUT sends a SUCCESS [0xA0] response and the OBEX Connection is established without the Reliable Session.

5 Test case mapping

The test case mappings are defined in the application profile Test Suites. Those map to test cases defined in this Test Suite.

6 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
0	1.1.1r9	2010-05-24	Update references to Draft 1.0 spec refs; updated TP/CON/BV-02 to allow choice of SDP PDUs
	2.0.0r0	2010-07-30	Editorial review
1	2.0.0r1	2010-09-08	Updated Conformance section.
	2.0.1r0	2011-10-15	TSE 4177: TP/SRMP/BV-06-C: Pass verdict
2	2.0.1	2012-03-30	Prepare for publication.
3	2.0.2r0	2012-06-06	TSE 4268: TP/SRMP/BV-02-C Test Procedure and Verdict update
	2.1.0	2012-06-13	Version update to accommodate GOEP.SPEC_v2.1
4	2.1.0	2012-07-24	Prepare for publication.
	2.1.1.0r00	2015-10-28	Updated version numbering to align with Specification version change to 2.1.1 for ESR09.
5	2.1.1.0	2015-12-22	Prepared for TCRL 2015-2 publication
	2.1.1.1r00	2016-07-27	Converted to new Test Case ID conventions as defined in TSTO v4.1.
6	2.1.1.1	2016-12-13	Approved by BTI. Prepared for TCRL 2016-2 publication.
	2.1.1.2r00	2017-10-04	TSE 9933 (rating 1): Updated test specification template.
7	2.1.1.2	2018-07-01	Approved by BTI. Prepared for TCRL 2018-1 publication.
	p8r00–r02	2023-09-11 – 2023-12-14	TSE 23931 (rating 2): Converted -I tests to -C tests as appropriate; updated the TCRL accordingly. Assigned publication number 7 to previous v2.1.1.2. Updated to align the document with the latest standards.
8	p8	2024-07-01	Approved by BTI on 2024-05-22. Prepared for TCRL 2024-1 publication.

Acknowledgments

Name	Company
Sherry Smith	Broadcom
Kevin Hendrix	iAnywhere
Tim Howes	Nokia
Mandar Gokhale	Qualcomm