Video Distribution Profile (VDP)

*Bluetooth® Test Specification*

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- **Group Prepared By:** BTI
- **Feedback Email:** bti-main@bluetooth.org

**Abstract:**

This document defines the test procedures of the Video Distribution Profile (VDP). Conformance tests of the video codec are also contained in this document.
## Revision History

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<tr>
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### Contributors

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rüdiger Mosig</td>
<td>Berner and Mattner</td>
</tr>
<tr>
<td>Alicia Courtney</td>
<td>Broadcom</td>
</tr>
<tr>
<td>Ash Kapur</td>
<td>Broadcom</td>
</tr>
<tr>
<td>Allan Madsen</td>
<td>CSR</td>
</tr>
<tr>
<td>David Trainor</td>
<td>CSR</td>
</tr>
<tr>
<td>Morgan Lindqvist</td>
<td>Ericsson</td>
</tr>
<tr>
<td>Toshio Sakimura</td>
<td>Matsushita Electric Industrial</td>
</tr>
<tr>
<td>Tsuyoshi Okada</td>
<td>Matsushita Electric Industrial</td>
</tr>
<tr>
<td>Stephen Raxter</td>
<td>National Analysis Center</td>
</tr>
<tr>
<td>Kalervo Kontola</td>
<td>Nokia</td>
</tr>
<tr>
<td>Janne Hamalainen</td>
<td>Nokia</td>
</tr>
<tr>
<td>Miska M. Hannuksela</td>
<td>Nokia</td>
</tr>
<tr>
<td>Thierry Woelflé</td>
<td>Parrot</td>
</tr>
<tr>
<td>Scott Walsh</td>
<td>Plantronics</td>
</tr>
<tr>
<td>Masahiko Seki</td>
<td>Sony</td>
</tr>
<tr>
<td>Wilhelm Hagg</td>
<td>Sony</td>
</tr>
<tr>
<td>Makoto Kobayashi</td>
<td>Toshiba</td>
</tr>
<tr>
<td>Yoshiaki Takabatake</td>
<td>Toshiba</td>
</tr>
</tbody>
</table>
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Video Distribution Profile (VDP) / Test Specification

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1 Scope

This Bluetooth document contains the Test Suite Structure (TSS) and Test Cases (TC) to test the Video Distribution Profile (VDP).

The objective of this document is to provide a basis for the conformance tests for Bluetooth devices giving a high probability of air interface interoperability between different manufacturers’ Bluetooth devices.

The VDP utilizes the Generic Audio/Video Distribution profile (GAVDP) [2] which defines the signaling procedures. To test VDP procedures, it is necessary to initiate a part of the GAVDP procedures. Conformance tests for GAVDP are fully defined in the GAVDP Test Specification [4].
2 References, Definitions, and Abbreviations

2.1 References

This Bluetooth document incorporates, by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter.

[1] Video Distribution Profile
[3] ICS proforma for Video Distribution Profile, VDP.ICS
[7] Test Strategy and Terminology Overview
[8] Bluetooth SIG, Conformance Test Video available at the Bluetooth SIG website in Test Specification section
[9] Bluetooth Specification v2.0 or later

2.2 Definitions

For the purpose of this Bluetooth document, the definitions from [7] and [9] apply.

2.3 Acronyms and Abbreviations

For the purpose of this Bluetooth document, the abbreviations from [7] and [9] apply.
3 Test Suite Structure (TSS)

3.1 Overview

The qualification of products claiming their compliance with the Bluetooth specification involves the execution of test suites.

Two types of qualification tests are used therefore: the conformance tests and the interoperability tests. The VDP is qualified with both conformance tests of video codec and interoperability tests.

The conformance tests of video codec are performed according to the test procedure specified in Section 4.7.

The interoperability tests aim at ensuring the interoperability between different Bluetooth products by covering functional testing based on operational scenarios.

3.2 Test Suite Structure

This section defines the tree structure of the interoperability tests and conformance tests specified for VDP. The test suite structure (TSS) is presented in Figure 3.1. The TSS is composed of nested test groups organized in a top down approach.

![Figure 3.1: VDP Test Suite Structure](image_url)

3.3 Test Groups

The test groups are organized in three levels. The first level defines the procedure groups representing the profile services. The second level separates the procedures in functional modules. The third level in each branch contains the standard ISO group BV.
4 Test Cases (TC)

4.1 Introduction

4.1.1 Test Case Identification Conventions

Test cases shall be assigned unique identifiers per the conventions in [7]. The convention used here is 
<spec abbreviation>/<IUT role>/<class>/<feat>/<func>/<subfunc>/<cap>/<xx>/<nn>-<yy>.

Bolded ID parts shall appear in the order prescribed. Non-bolded ID parts (if applicable) shall appear between the bolded parts. The order of the non-bolded parts may vary from test specification to test specification, but shall be consistent within each individual test specification.

<table>
<thead>
<tr>
<th>Identifier Abbreviation</th>
<th>Feature Identifier &lt;feat&gt;</th>
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<tr>
<td>VDP</td>
<td>Video Distribution Profile</td>
</tr>
<tr>
<td>SNK</td>
<td>Sink (role)</td>
</tr>
<tr>
<td>SRC</td>
<td>Source (role)</td>
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<td>SET</td>
<td>Setup Video Streaming</td>
</tr>
<tr>
<td>REL</td>
<td>Release Video Streaming</td>
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<td>VS</td>
<td>Video Streaming</td>
</tr>
<tr>
<td>HC</td>
<td>H.263 Baseline Decoder Conformance</td>
</tr>
<tr>
<td>SYN</td>
<td>Synchronous Streaming of Audio and Video</td>
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</table>

Table 4.1: VDP TC Feature Naming Conventions

4.1.2 Conformance

When conformance is claimed, all capabilities indicated as mandatory for this Specification shall be supported in the specified manner (process-mandatory). This also applies for all optional and conditional capabilities for which support is indicated. All mandatory capabilities, and optional and conditional capabilities for which support is indicated, are subject to verification as part of the Bluetooth Qualification Program.

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 that is not excluded by the Specification, OR
- That capabilities enabled by the implementations are sustained over durations expected by the use case, OR
• That the implementation gracefully handles any quantity of data expected by the use case, OR
• That in cases where more than one valid interpretation of the Specification exist, the implementation complies with at least one interpretation and gracefully handles other interpretations OR
• That the implementation is immune to attempted security exploits.

A single execution of each of the required tests is required in order to constitute a pass verdict. However, it is noted that in order 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 Generator, the Test Case as described in the Test Specification, or with the Test System utilized, the Member is required to notify the responsible party via an errata request such that the issue may be addressed.

4.1.3 Pass/Fail Verdict Conventions

Each test case has an Expected Outcome section, which outlines all the detailed pass criteria conditions that shall be met by the IUT to merit a Pass Verdict.

The convention in this test specification is that, unless there are 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, the outcome of the test shall be the Fail Verdict.

4.2 Setup Video Streaming

Test group objectives:

- To verify streaming setup.

4.2.1 Establish Connection initiated by SRC

Test subgroup objectives:

- To verify that the parameters are configured and stream connection is established by SRC.

4.2.1.1 Establish Connection – SRC]

• Test Case ID(s)
  VDP/SRC/SET/BV-01-I
  VDP/SNK/SET/BV-01-I
  
• Test Purpose
  To verify that SRC can establish stream connection successfully.

• Reference
  [1] 5.1.1
  [2] 4.1.1

• Initial Condition
  SRC:
  Standby mode.
SNK:
Standby mode.

• Test Procedure
  1. Initiate the user action (e.g. press button) on SRC to setup connection.
  2. Initiate another user action (e.g. press button) on SRC to start video streaming, if it does not start streaming consecutively after connection establishment.

• Expected Outcome
  Pass verdict

SRC/SNK:
If there is a corresponding indicator, then establishment of connection is indicated.

It is indicated that video streaming started upon user action.

4.2.2 Establish Connection Initiated by SNK
Test subgroup objectives:

- To verify that the parameters are configured and stream connection is established by SNK.

4.2.2.1 Establish Connection – SNK]
• Test Case ID(s)
  
  VDP/SRC/SET/BV-02-I
  VDP/SNK/SET/BV-02-I
• Test Purpose
  To verify that SNK can establish stream connection successfully.

• Reference
  [1] 5.1.1
  [2] 4.1.1

• Initial Condition
  SRC:
  Standby mode.

  SNK:
  Standby mode.

• Test Procedure
  Initiate the user action (e.g. press button) on SNK to setup connection. If it does not start streaming consecutively after connection establishment, initiate another user action (e.g. press button) on SNK to start video streaming.
• Expected Outcome
  Pass verdict

  SRC/SNK:

  If there is a corresponding indicator, then establishment of connection is indicated.

  It is indicated that video streaming started upon user action.

4.2.3  Start Video Streaming initiated by SRC

Test subgroup objectives:

- To verify that video streaming is started by SRC.

4.2.3.1  Start Streaming – SRC

• Test Case ID(s)

  VDP/SRC/SET/BV-03-I

  VDP/SNK/SET/BV-03-I

• Test Purpose

  To verify that SRC can start video streaming.

• Reference

  [1] 5.1.1

  [2] 4.1.1

• Initial Condition

  SRC/SNK:
  Connection has been established.

• Test Procedure

  Initiate the user action (e.g. press button) on SRC to start video streaming. No user action may be required when Start streaming is preceded from connection establishment consecutively.

• Expected Outcome

  Pass verdict

  SRC/SNK:

  If there is a corresponding indicator, then start video streaming is indicated. Otherwise, streaming video is monitored on SNK.

4.2.4  Start Video Streaming initiated by SNK

Test subgroup objectives:

- To verify that video streaming is started by SNK.
4.2.4.1 Start Streaming – SNK

• Test Case ID(s)
  
  VDP/SRC/SET/BV-04-I
  VDP/SNK/SET/BV-04-I

• Test Purpose
  To verify that SNK can start video streaming.

• Reference
  [1] 5.1.1
  [2] 4.1.1

• Initial Condition
  SRC/SNK:
  Connection has been established.

• Test Procedure
  Initiate the user action (e.g. press button) on SNK to start video streaming. No user action may be required when Start streaming is preceded from connection establishment consecutively.

• Expected Outcome
  Pass verdict
  SRC/SNK:
  If there is a corresponding indicator, then start video streaming is indicated. Otherwise, streaming video is monitored on SNK.

4.3 Release Video Streaming

Test group objectives:

- To verify that the video stream connection is released.

4.3.1 Release Video Streaming initiated by SRC

Test subgroup objectives:

- To verify that the video stream connection is released by SRC.

4.3.1.1 Release Streaming – SRC

• Test Case ID(s)
  
  VDP/SRC/REL/BV-01-I
  VDP/SNK/REL/BV-01-I
• Test Purpose
  SRC:
  To verify that SRC can release streaming.

  SNK:
  To verify that SNK can accept streaming release.

• Reference
  [1] 5.1.1
  [2] 4.1.3

• Initial Condition
  SRC/SNK:
  Streaming connection is established.

• Test Procedure
  SRC:
  Initiate the user action (e.g. press button) on SRC to release streaming. Then, re-establish a video streaming connection and start video streaming.

  SNK:
  No user action is required.

• Expected Outcome
  **Pass verdict**

  SRC/SNK:
  If there is a corresponding indicator, release video streaming is indicated. Otherwise video streaming is stopped.

  The user action releases video streaming connection, and is possible to re-establish a video streaming connection and start video streaming.

4.3.2 Release Video Streaming initiated by SNK
Test subgroup objectives:
  - To verify that the video stream connection is released by SNK.

4.3.2.1 Release Streaming – SNK
• Test Case ID(s)
  VDP/SRC/REL/BV-02-I
  VDP/SNK/REL/BV-02-I
• Test Purpose
  SRC:
  To verify that SRC can accept streaming release.

  SNK:
  To verify that SNK can release streaming.

• Reference
  [1] 5.1.1
  [2] 4.1.3

• Initial Condition
  SRC/SNK:
  Streaming connection is established.

• Test Procedure
  SRC:
  No user action is required.

  SNK:
  Initiate the user action (e.g. press button) on SNK to release streaming. Then, re-establish a video streaming connection and start video streaming.

• Expected Outcome
  Pass verdict

  SRC/SNK:
  If there is a corresponding indicator, release video streaming is indicated. Otherwise, video streaming is stopped.

  The user action releases video streaming connection and is possible to re-establish a video streaming connection and start video streaming.

4.4 Suspense Video Streaming
Test group objectives:
  - To verify that the video streaming is suspended.

4.4.1 Suspense Video Streaming initiated by SRC
Test subgroup objectives:
  - To verify that the video streaming is suspended by SRC.
4.4.1.1 Suspend Stream – SRC

- Test Case ID(s)
  
  VDP/SRC/SUS/BV-01-I
  VDP/SNK/SUS/BV-01-I

- Test Purpose
  
  SRC:
  To verify that SRC can suspend streaming.

  SNK:
  To verify that SNK can accept streaming suspend.

- Reference
  
  [1] 5.1.1
  [2] 4.1.4

- Initial Condition
  
  SRC/SNK:
  Streaming connection is established.

- Test Procedure
  
  SRC:
  Initiate the user action (e.g. press button) on SRC to suspend streaming. Then resume video streaming by restarting video streaming afterwards.

  SNK:
  No user action is required.

- Expected Outcome
  
  Pass verdict

  SRC/SNK:
  If there is a corresponding indicator, suspend video streaming is indicated.

  Video streaming is stopped by the user action. Indication of restart video streaming is monitored when resumed.

4.4.2 Suspend Video Streaming initiated by SNK

Test subgroup objectives:

- To verify that the video stream connection is suspended by SNK.
4.4.2.1 Suspend Stream – SNK

- Test Case ID(s)
  
  VDP/SRC/SUS/BV-02-I
  VDP/SNK/SUS/BV-02-I

- Test Purpose
  
  SRC:
  To verify that SRC can accept streaming suspend.

  SNK:
  To verify that SNK can suspend streaming.

- Reference
  
  [1] 5.1.1
  [2] 4.1.4

- Initial Condition
  
  SRC/SNK:
  Streaming connection is established.

- Test Procedure
  
  SRC:
  No user action is required.

  SNK:
  Initiate the user action (e.g. press button) on SNK to suspend streaming. Then resume video streaming by restarting video streaming afterwards.

- Expected Outcome
  
  Pass verdict
  
  SRC/SNK:
  If there is a corresponding indicator, suspend video streaming is indicated.

  Video streaming is stopped by the user action. Indication of restart video streaming is monitored when resumed.

4.5 Video Streaming

Test group objectives:

To verify that video streaming is executed successfully by streaming a video data.

The video data to test this test case can be arbitrary provided that the expected outcome of decoded video is known beforehand. Some codec has reference test vectors for codec conformance test such as MPEG-4 in [5] which can be used for streaming. The expected outcome of decoded video from such
reference test vectors can be reproduced by using the reference codec software which is also provided. With the reference codec software test vectors can be generated as well.

If a codec does not have reference test vector nor reference codec software, it is advised to consult with the codec owner organization on how to verify conformance of codec implementation.

4.5.1 Video Streaming for H.263 baseline

Test subgroup objectives:

- To verify that video streaming based on H.263 baseline is executed successfully.

4.5.1.1 Streaming – H.263 baseline

• Test Case ID(s)
  
  VDP/SRC/VS/BV-01-I  
  VDP/SNK/VS/BV-01-I  

• Test Purpose
  
  SRC:  
  To verify that SRC can stream video data encoded in H.263 baseline to the SNK.
  
  SNK:  
  To verify that SNK can receive the video data encoded in H.263 baseline.

• Reference
  
  [1] 3.2

• Initial Condition
  
  SRC/SNK:  
  Streaming connection is established and configured using H.263 baseline.

• Test Procedure
  
  SRC:  
  Start streaming. If defined test vectors are available, then they should be used for the input, otherwise appropriate input shall be applied. For more information on test vectors for H.263 baseline, refer to Section 4.7 of this document.
  
  SNK:  
  No user action is required.

• Expected Outcome
  
  Pass verdict
  
  SRC/SNK:
  If a video output is available, an expected video is monitored. Otherwise, it is indicated that streaming was successfully executed.
If a test vector is used as an input of SRC, the video output matches to expected outcome derived by the reference codec software.

### 4.5.2 Video Streaming for Optional Codecs

Test subgroup objectives:

- To verify that video streaming based on optional codec format is executed successfully.

#### 4.5.2.1 Streaming – Options

- **Test Case ID(s)**
  
  **VDP/SRC/VS/BV-02-I**
  
  **VDP/SNK/VS/BV-02-I**

- **Test Purpose**
  
  **SRC:**
  To verify that SRC can stream video data encoded in optional codec to the SNK.

  **SNK:**
  To verify that SNK can receive the video data encoded in optional codec.

- **Reference**
  
  [1] 3.2

- **Initial Condition**
  
  **SRC/SNK:**
  Streaming connection is established and configured using optional codec.

- **Test Procedure**
  
  **SRC:**
  Start streaming. If defined test vectors for the codec under test are available, then they should be used for the input, otherwise appropriate input shall be applied. For more information on test vectors for the optional codec, refer to the codec owner organization.

  **SNK:**
  No user action is required.

- **Expected Outcome**
  
  **Pass verdict**

  **SRC/SNK:**
  
  If a video output is available, an expected video is monitored. Otherwise, it is indicated that streaming was successfully executed.

  If a test vector is used as an input of SRC, the video output matches to expected outcome derived by the reference codec software.
4.6  **Synchronous streaming of Audio and Video**

Test group objectives:

- To verify the correct implementation of audio video synchronization.

### 4.6.1  VDP/SNK/SYN/BV-01-I [Delay Reporting with VDP video playback]

- **Test Purpose**
  The presentation of audio and video shall be synchronized, e.g. the presentation has to occur without a noticeable delay.

- **Reference**
  [2] 4.1.18
  [8]

- **Initial Condition**
  Source is connected with A2DP sink and a VDP sink (IUT).

- **Test Procedure**
  Start streaming of a test video.

  A sample video [8] is provided that contains a sequence of numbers that are spoken by a user and displayed at the same time. An acoustic marker appears whenever the number changes.

  It is up to the manufacturer to use the provided video or to apply their own test procedure to ensure audio and video presentation is synchronized if the sample video cannot be used for some reasons.

- **Expected Outcome**
  **Pass verdict**

  Audio and video are synchronized.

  This means the spoken number need to be the same as the number shown on the screen and the number change in the video need to be aligned with the corresponding acoustic marker in the video.

- **Notes**
  If the test video is not used the manufacturer is responsible to use an effective method to verify the synchronization.

### 4.6.2  VDP/SNK/SYN/BV-01-C [Delay Value]

- **Test Purpose**
  Verifies that the reported delay value is correct.

- **Reference**
  [2] 4.1.18
• Initial Condition
  - A stream connection is established.
  - IUT is SNK.

• Test Procedure
  Start streaming and receive a delay report from SNK.

• Expected Outcome
  Pass verdict
  The reported delay value is within a given range expected by the manufacturer.

• Notes
  This is a subjective plausibility test.

4.7  **H.263 baseline Codec Conformance Test**

Test group objectives:

To verify that the mandatory codec H.263 baseline is properly implemented.

This conformance test shall be conducted locally by the implementer because it cannot always be tested by an interoperability test against other device. Furthermore the intent of this test is to assure basic conformity to the codec specification, and is not intent to control the quality or performance of the codec implementation. The quality and performance of the codec is up to the implementation as far as it complies with the specification.

The conformance test of H.263 baseline codec shall be performed according to the MPEG-4 conformance testing [5] and its reference software [6]. It is mandated to satisfy the requirement described in [5] in order to be compliant with H.263 baseline. The reasons for utilizing MPEG-4 conformance test [5] to H.263 baseline codec are:

  - There is no conformance test specification in ITU standard for H.263 baseline codec available in public.
  - H.263 baseline (without annexes) is incorporated as part of MPEG-4 visual specification (known as ‘short header’ in the specification), and the conformance test specification of MPEG-4 [5] covers H.263 baseline as well.

4.7.1  **H.263 baseline Decoder Conformance**

Test subgroup objectives:

  - To verify that H.263 baseline decoder is properly implemented.

4.7.1.1  **VDP/SNK/HC/BV-01-C [H.263 baseline Conformance – Decoder]**

• Test Purpose
  To verify that H.263 baseline decoder is properly implemented on SNK.
  To check the decoder satisfies the requirement for conformance. See [5] and [6].
• Reference
  [5]
  [6]

• Initial Condition
  - SNK device is in decoding mode of H.263 baseline bitstreams.
  - IUT in normal operation with supported parameters defined in Section 4.3 in [1].

• Test Procedure
  Input test bitstreams in the electronics annex in [5]. The bitstream files are located on the CD-ROM which is included as an electronic annex in reference [5] as following:
  ./CONFORMANCE_BITSTREAMS_CD1/Visual/natural/simple/Short.zip.

• Expected Outcome
  Pass verdict
  The video output of the decoder satisfies the requirement in [5].

4.7.2  H.263 baseline Encoder Conformance
Test subgroup objectives:
  - To verify that H.263 baseline Encoder is properly implemented.

4.7.2.1  VDP/SRC/HC/BV-02-C [H.263 baseline Conformance – Encoder]
• Test Purpose
  To verify that H.263 baseline encoder is properly implemented on SRC.
  To check the bitstreams produced by the encoder satisfies the requirement for conformance. See [5] and [6].

• Reference
  [5]
  [6]

• Initial Condition
  - SRC device is in encoding mode of H.263 baseline.
  - IUT in normal operation with supported parameters defined Section 4.3 in [1].

• Test Procedure
  Activate the encoder and input video sequence.
• Expected Outcome

Pass verdict

The video output of the encoder satisfies the requirement in [5]. Furthermore in detail, the following items shall be observed:

The reference decoder [6] can decode the bitstreams encoded by the implementation without an error.

It is confirmed that the reference decoder [6] can decode the bitstreams encoded by the implementation as a short header bitstream.
5 Test Case Mapping

The Test Case Mapping Table (TCMT) maps test cases to specific requirements in the ICS. The product shall be tested in all roles for which support is declared in the ICS document.

The columns for the TCMT are defined as follows:

**Item:** Contains a y/x reference, where y corresponds to the table number and x corresponds to the feature number as defined in the ICS Proforma for Video Distribution Profile (VDP) [3]. If the item is defined with Protocol, Profile or Service abbreviation before y/x, the table and feature number referenced are defined in the abbreviated ICS Proforma document.

**Feature:** Recommended to be the primary feature defined in the ICS being tested or may be the test case name.

**Test Case(s):** The applicable test case identifiers required for Bluetooth Qualification if the corresponding y/x references defined in the Item column are supported.

**Test Case Applicable:** May be used to note if a test is required based on the supported features.

For purpose and structure of the ICS/IXIT Proforma and instructions for completing the ICS/IXIT Proforma refer to the Bluetooth ICS and IXIT Proforma document.

<table>
<thead>
<tr>
<th>Item</th>
<th>Feature</th>
<th>Test Case(s)</th>
<th>Test Case Applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>VDP 2/1</td>
<td>Connection Establishment by SRC</td>
<td>VDP/SRC/SET/BV-01-I</td>
<td></td>
</tr>
<tr>
<td>VDP 8/2</td>
<td>Connection Establishment by SRC</td>
<td>VDP/SNK/SET/BV-01-I</td>
<td></td>
</tr>
<tr>
<td>VDP 2/2</td>
<td>Connection Establishment by SNK</td>
<td>VDP/SRC/SET/BV-02-I</td>
<td></td>
</tr>
<tr>
<td>VDP 8/1</td>
<td>Connection Establishment by SNK</td>
<td>VDP/SNK/SET/BV-02-I</td>
<td></td>
</tr>
<tr>
<td>VDP 2/3</td>
<td>Start Streaming by SRC</td>
<td>VDP/SRC/SET/BV-03-I</td>
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<tr>
<td>VDP 8/4</td>
<td>Start Streaming by SRC</td>
<td>VDP/SNK/SET/BV-03-I</td>
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<tr>
<td>VDP 2/4</td>
<td>Start Streaming by SNK</td>
<td>VDP/SRC/SET/BV-04-I</td>
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<td>VDP 8/3</td>
<td>Start Streaming by SNK</td>
<td>VDP/SNK/SET/BV-04-I</td>
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<td>H.263 baseline Video Stream</td>
<td>VDP/SRC/VS/BV-01-I</td>
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<tr>
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<td>H.263 baseline Video Stream</td>
<td>VDP/SNK/VS/BV-01-I</td>
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<tr>
<td>VDP 2/6 OR VDP 2/7 OR VDP 2/8</td>
<td>Other Video Streams</td>
<td>VDP/SRC/VS/BV-02-I</td>
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<tr>
<td>Item</td>
<td>Feature</td>
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<td>Test Case Applicable</td>
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<tr>
<td>VDP 8/6 OR VDP 8/7 OR VDP 8/8</td>
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<td>VDP/SRC/REL/BV-01-I</td>
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<tr>
<td>VDP 8/10</td>
<td>Connection Release by SRC</td>
<td>VDP/SNK/REL/BV-01-I</td>
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<tr>
<td>VDP 2/11</td>
<td>Connection Release by SNK</td>
<td>VDP/SRC/REL/BV-02-I</td>
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<tr>
<td>VDP 8/9</td>
<td>Connection Release by SNK</td>
<td>VDP/SNK/REL/BV-02-I</td>
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<td>VDP/SRC/SUS/BV-01-I</td>
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<td>Suspend by SRC</td>
<td>VDP/SNK/SUS/BV-01-I</td>
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<tr>
<td>VDP 2/13</td>
<td>Suspend by SNK</td>
<td>VDP/SRC/SUS/BV-02-I</td>
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<tr>
<td>VDP 8/11</td>
<td>Suspend by SNK</td>
<td>VDP/SNK/SUS/BV-02-I</td>
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<td>VDP 9/2</td>
<td>Decode H.263 baseline</td>
<td>VDP/SNK/HC/BV-01-C</td>
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</tr>
<tr>
<td>VDP 3/2</td>
<td>Encode H.263 baseline</td>
<td>VDP/SRC/HC/BV-02-C</td>
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<tr>
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<td>Delay Reporting with VDP video playback</td>
<td>VDP/SNK/SYN/BV-01-I</td>
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<td>Delay Value</td>
<td>VDP/SNK/SYN/BV-01-C</td>
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</tbody>
</table>

*Table 5.1: Test Case Mapping*