

Video Distribution Profile (VDP)

Bluetooth® Implementation Conformance Statement (ICS) Proforma

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1 Identification of the implementation

1.1 Implementation Under Test (IUT) identification

Identification of the Implementation Under Test (IUT) is to be filled in to provide as much detail as possible regarding version numbers and configuration options.

An ICS contact person to respond to queries regarding information supplied in this ICS proforma is named in the Declaration of Compliance: Summary of Selected Specifications in Implementation.

1.2 Versions and roles

Table 0: Major Versions (X.Y)

Item	Version	Reference	Status
1	VDP v1.0	VDP 1.0	C.1
2	VDP v1.1	VDP 1.1	C.1

C.1: Mandatory to support one and only one of VDP 0/1 “VDP v1.0” OR VDP 0/2 “VDP v1.1”.

Table 1: Role Requirements

Item	Role	Reference	Status
1	Source	[1] 2.2	C.1
2	Sink	[1] 2.2	C.1

C.1: Mandatory to support at least one of VDP 1/1 “Source” OR VDP 1/2 “Sink”.

1.3 Source features

Table 2: Source Features

Prerequisite: VDP 1/1 “Source”

Item	Feature	Reference	Status
1	Initiate Connection Establishment by SRC	[2] 4.1.1	M
2	Accept Connection Establishment by SRC	[2] 4.1.1	M
3	Initiate Start Streaming by SRC	[2] 4.1.2	M
4	Accept Start Streaming by SRC	[2] 4.1.2	M
5	Send H.263 baseline Video Stream	[1] 3.2.1, 4.2, 4.3	C.1
6	Send MPEG-4 Visual Simple Profile Video Stream	[1] 3.2.1, 4.4	C.1
7	Send H.263 profile 3 Video Stream	[1] 3.2.1, 4.5	C.1
8	Send H.263 profile 8 Video Stream	[1] 3.2.1, 4.6	C.1
9	Send Vendor Specific VDP Codec Video Stream	[1] 3.2.1, 4.7	C.1
10	Initiate Connection Release by SRC	[2] 4.1.3	M
11	Accept Connection Release by SRC	[2] 4.1.3	M
12	Initiate Suspend by SRC	[2] 4.1.4	O
13	Accept Suspend by SRC	[2] 4.1.4	O

C.1: Mandatory to support at least one of VDP 2/5 “Send H.263 baseline Video Stream” OR VDP 2/6 “Send MPEG-4 Visual Simple Profile Video Stream” OR VDP 2/7 “Send H.263 profile 3 Video Stream” OR VDP 2/8 “Send H.263 profile 8 Video Stream” OR VDP 2/9 “Send Vendor Specific VDP Codec Video Stream”.

1.3.1 Video Coding requirements

Table 3: Supported codecs in SRC

Prerequisite: VDP 1/1 “Source”

Item	Feature	Reference	Status
1	Video encoder implementation	[1] 4.2	O
2	H.263 baseline encoder	[1] 4.3	C.1
3	MPEG-4 Visual Simple Profile encoder	[1] 4.4	C.2

Item	Feature	Reference	Status
4	H.263 profile 3 encoder	[1] 4.5	C.2
5	H.263 profile 8 encoder	[1] 4.6	C.2
6	Vendor Specific VDP codec encoder	[1] 4.7	C.3

C.1: Mandatory IF VDP 3/1 “Video encoder implementation”, otherwise Excluded.

C.2: Optional IF VDP 3/1 “Video encoder implementation”, otherwise Excluded.

C.3: Optional IF VDP 3/1 “Video encoder implementation”, otherwise Excluded. Note: If supported, give a reference to the encoder in the IXIT section.

1.3.2 Requirements towards other profiles

1.3.2.1 Requirements towards SDP

Table 8: SDP Attributes (Source)

Prerequisite: VDP 1/1 “Source”

Item	Feature	Reference	Status	Inter-Layer Dependency
1	ServiceClassIDList	[1] 5.3	M	[3] SDP 9/19
2	ProtocolDescriptorList	[1] 5.3	M	[3] SDP 9/2
3	BluetoothProfileDescriptorList	[1] 5.3	M	[3] SDP 9/14

1.3.2.2 Requirements towards GAVDP

Table 9: GAVDP roles (Source)

Prerequisite: VDP 1/1 “Source”

Item	Feature	Reference	Status	Inter-Layer Dependency
1	Initiator	[1] 5.1.1	M	[5] GAVDP 1/1
2	Acceptor	[1] 5.1.1	M	[5] GAVDP 1/2
3	Delay Reporting Initiator	[1] 5.1.1	C.2	[5] GAVDP 1/3
4	Delay Reporting Acceptor	[1] 5.1.1	C.1	[5] GAVDP 1/4

C.1: Optional IF VDP 0/2 “VDP v1.1”, otherwise not defined.

C.2: Excluded for this role. Note: It is not permitted to be a delay reporting initiator for VDP Source role.

1.3.2.3 Requirements towards Baseband (BB)

Table 6: Baseband (BB) packet types (Source)

Prerequisite: VDP 1/1 “Source”

Item	Feature	Reference	Status	Inter-Layer Dependency
1	DM3 packet type	[1] 5.5	M	[4] BB 5/2
2	DH3 packet type	[1] 5.5	M	[4] BB 5/3
3	DM5 packet type	[1] 5.5	M	[4] BB 5/4
4	DH5 packet type	[1] 5.5	M	[4] BB 5/5

1.3.2.4 Requirements towards GAP

Table 7: Generic Access Profile (GAP) Procedures (Source)

Prerequisite: VDP 1/1 "Source"

Item	Feature	Reference	Status	Inter-Layer Dependency
1	General discoverable mode	[1] 6.1	C.1	[6] GAP 1/3
2	Limited discoverable mode	[1] 6.1	C.1	[6] GAP 1/2
3	No longer used	N/A	N/A	N/A
4	Bondable mode	[1] 6.1	M	[6] GAP 1/7
5	Initiation of general inquiry	[1] 6.3	M	[6] GAP 3/1
6	Initiation of limited inquiry	[1] 6.3	O	[6] GAP 3/2

C.1: Mandatory to support at least one of VDP 7/1 "General discoverable mode" OR VDP 7/2 "Limited discoverable mode".

1.4 Sink features

Table 4: Sink Features

Prerequisite: VDP 1/2 "Sink"

Item	Feature	Reference	Status
1	Initiate Connection Establishment by SNK	[2] 4.1.1	O
2	Accept Connection Establishment by SNK	[2] 4.1.1	M
3	Initiate Start Streaming by SNK	[2] 4.1.2	O
4	Accept Start Streaming by SNK	[2] 4.1.2	M
5	Receive H.263 baseline Video Stream	[1] 3.2.2, 4.3	M
6	Receive MPEG-4 Visual Simple Profile Video Stream	[1] 3.2.2, 4.4	O
7	Receive H.263 profile 3 Video Stream	[1] 3.2.3, 4.5	O
8	Receive H.263 profile 8 Video Stream	[1] 3.2.4, 4.6	O
9	Initiate Connection Release by SNK	[2] 4.1.3	M
10	Accept Connection Release by SNK	[2] 4.1.3	M
11	Initiate Suspend by SNK	[2] 4.1.4	O
12	Accept Suspend by SNK	[2] 4.1.4	O
13	Delay Reporting	[2] 4.1.8	C.1

C.1: Mandatory IF VDP 0/2 "VDP v1.1", otherwise Excluded.

1.4.1 Video Coding requirements

Table 5: Supported codecs in SNK

Prerequisite: VDP 1/2 "Sink"

Item	Feature	Reference	Status
1	Video decoder implementation	[1] 4.2	O
2	H.263 baseline decoder	[1] 4.3	C.1
3	MPEG-4 Visual Simple Profile decoder	[1] 4.4	C.2
4	H.263 profile 3 decoder	[1] 4.5	C.2
5	H.263 profile 8 decoder	[1] 4.6	C.2

Item	Feature	Reference	Status
6	Vendor Specific VDP codec decoder	[1] 4.7	C.3

C.1: Mandatory IF VDP 5/1 “Video decoder implementation”, otherwise Excluded.

C.2: Optional IF VDP 5/1 “Video decoder implementation”, otherwise Excluded.

C.3: Optional IF VDP 5/1 “Video decoder implementation”, otherwise Excluded. Note: If supported, give a reference to the decoder in the IXIT section.

1.4.2 Requirements towards other profiles

1.4.2.1 Requirements towards SDP

Table 10: SDP Attributes (Sink)

Prerequisite: VDP 1/2 “Sink”

Item	Feature	Reference	Status	Inter-Layer Dependency
1	ServiceClassIDList	[1] 5.3	M	[3] SDP 9/19
2	ProtocolDescriptorList	[1] 5.3	M	[3] SDP 9/2
3	BluetoothProfileDescriptorList	[1] 5.3	M	[3] SDP 9/14

1.4.2.2 Requirements towards GAVDP

Table 11: GAVDP roles (Sink)

Prerequisite: VDP 1/2 “Sink”

Item	Feature	Reference	Status	Inter-Layer Dependency
1	Initiator	[1] 5.1.1	O	[5] GAVDP 1/1
2	Acceptor	[1] 5.1.1	M	[5] GAVDP 1/2
3	Delay Reporting Initiator	[1] 5.1.1	C.1	[5] GAVDP 1/3
4	Delay Reporting Acceptor	[1] 5.1.1	C.2	[5] GAVDP 1/4

C.1: Mandatory IF VDP 0/2 “VDP v1.1”, otherwise not defined.

C.2: Excluded for this role. Note: It is not permitted to be a delay reporting acceptor for VDP Sink role.

1.4.2.3 Requirements towards Baseband (BB)

Table 12: Baseband (BB) packet types (Sink)

Prerequisite: VDP 1/2 “Sink”

Item	Feature	Reference	Status	Inter-Layer Dependency
1	DM3 packet type	[1] 5.5	M	[4] BB 5/2
2	DH3 packet type	[1] 5.5	M	[4] BB 5/3
3	DM5 packet type	[1] 5.5	M	[4] BB 5/4
4	DH5 packet type	[1] 5.5	M	[4] BB 5/5

1.4.2.4 Requirements towards GAP

Table 13: Generic Access Profile (GAP) Procedures (Sink)

Prerequisite: VDP 1/2 “Sink”

Item	Feature	Reference	Status	Inter-Layer Dependency
1	General discoverable mode	[1] 6.1	C.1	[6] GAP 1/3
2	Limited discoverable mode	[1] 6.1	C.1	[6] GAP 1/2
3	No longer used	N/A	N/A	N/A
4	Bondable mode	[1] 6.1	M	[6] GAP 1/7
5	Initiation of general inquiry	[1] 6.3	O	[6] GAP 3/1
6	Initiation of limited inquiry	[1] 6.3	O	[6] GAP 3/2

C.1: Mandatory to support one and only one of VDP 13/1 “General discoverable mode” OR VDP 13/2 “Limited discoverable mode”.

2 References

- [1] Video Distribution Profile Specification
- [2] Generic Audio/Video Distribution Profile Specification
- [3] Service Discovery Protocol (SDP) ICS proforma
- [4] Baseband (BB) ICS proforma
- [5] Generic Audio/Video Distribution Profile (GAVDP) ICS proforma
- [6] Generic Access Profile (GAP) ICS proforma

3 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
	D05r00	2002-05-01	Release to Associates
	D05r01	2002-05-17	Appendix A: Manufacturer Declaration Modified
	D07r00	2002-05-31	Appendix A Modified ICS features tables are modified SIG list added In page 2 Document terminology moved into section 8
	D07r01	2002-07-01	Table 6-1 and section 11.3 are modified reflecting the discussion result of Bochum F2F
	D09r00	2002-08-08	First Release Candidate to Associates and Early Adopters
	D09r01	2002-12-27	BTI and BQRB feedback reflected
	D09r02	2003-01-09	Cosmetic updates
	D09r03	2003-07-20	BQRB feedback reflected. Update on VDP profile v.0.95RC7 reflected.
	V09r00	2003-10-09	BQRB feedback reflected.
	V09r01	2004-04-16	Updated Disclaimer and Copyright Notice and Revision History. Prepared for Prototyping Specification
	D10r00	2004-06-04	Updated version number and date for v1.0 adoption
0	V10r00	2004-09-08	Editorial changes for adoption
1	1.0.1r1	2006-03-10	Editorial updates
2	1.0.2r0	2006-05-31	Change revision number, remove Appendix, prepare for publication.
	1.1.0r1	2011-03-20	Update after AV F2F
	1.1.0r2	2011-11-18	Incorporated changes from Core Spec 2.1+EDR updates
	1.1.0r3	2012-02-20	Apply the latest PICS template
	1.1.0r4	2012-04-17	BTI comment resolution
	1.1.0r5	2012-06-21	Applied Conditionals to tables previously using "X" as a status
	1.1.0r6	2012-07-01	Revised section numbering as defined in published ICS template.
3	1.1.0	2012-07-24	Prepared for TCRL 2012-2 publication.
	1.1.1r00	2017-04-18	TSE 8411: Updated Template.
4	1.1.1	2017-07-03	Approved by BTI. Prepared for TCRL 2017-1 publication.

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	p5r00	2022-02-25 – 2022-04-06	TSE 17931 (rating 2): Renumbered VDP Sink features and codecs tables to align with Launch Studio. Made many template-related editorials, including aligning the copyright page with v2 of the DNMD and assigning publication number 4 to previous v1.1.1. TSE 18647 (rating 2): Updated C.2 of Tables 9 and 11 and removed item 3 and C.2 from Tables 7 and 13 to address an issue with prerequisites repeating in conditionals.
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