

Service Discovery Protocol (SDP)

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 Roles

Table 1b: Role Requirements

Item	Role	Reference	Status
1	Server	[1] 2.1	C.1
2	Client	[1] 2.1	C.1

C.1: Mandatory to support at least one.

1.3 SDP Server role

Table 1: No longer used

1.3.1 Service Search Response PDU

Table 2: Service Search Response

Prerequisite: SDP 1b/1 "Server"

Item	Capability	Reference	Status
1	Service Search Response	[1] 4.5.2	M
2	Generates continuation state in Service Search Response	[1] 4.3, 4.5.2	O
3	No longer used	N/A	N/A

Table 3: No longer used

1.3.2 Service Attribute Response PDU

Table 4: Service Attribute Response

Prerequisite: SDP 1b/1 "Server"

Item	Capability	Reference	Status
1	Service Attribute Response	[1] 4.6.2	M
2	Generates continuation state in Service Attribute Response	[1] 4.3, 4.6.2	O
3	Service Attribute Response with AdditionalProtocolDescriptorList attribute	[1] 4.5.2, 5.1.6	O

Table 5: No longer used

1.3.3 Service Search Attribute Response PDU

Table 6: Service Search Attribute Response

Prerequisite: SDP 1b/1 "Server"

Item	Capability	Reference	Status
1	Service Search Attribute Response	[1] 4.7.2	M
2	Generates continuation state in Service Search Attribute Response	[1] 4.3, 4.7.2	O
3	Service Search Attribute Response with AdditionalProtocolDescriptorList attribute	[1] 4.7.2, 5.1.6	O

Table 7: Invalid Service Search Attribute Request

Prerequisite: SDP 1b/1 "Server"

Item	Capability	Reference	Status
1	Error response to Service Search Attribute Request	[1] 4.4	M

1.3.4 Service Browsing

Table 8: Service Browsing

Prerequisite: SDP 1b/1 "Server"

Item	Capability	Reference	Status
1	Browsing, using SDP_ServiceSearchRequest and SDP_ServiceAttributeRequest	[1] 2.6, 4.5, 4.6	O
2	Browsing, using SDP_ServiceSearchAttributeRequest	[1] 2.6, 4.7	O

1.3.5 Attributes

Table 9: Attributes Present in IUT

Prerequisite: SDP 1b/1 "Server"

Item	Capability	Reference	Status
1	ServiceID	[1] 5.1.4	O
2	ProtocolDescriptorList	[1] 5.1.5	O
3	ServiceRecordState	[1] 5.1.3	O
4	ServiceInfoTimeToLive	[1] 5.1.9	O
5	BrowseGroupList	[1] 5.1.7	O
6	LanguageBaseAttributeIdList	[1] 5.1.8	O
7	ServiceAvailability	[1] 5.1.10	O
8	IconURL	[1] 5.1.14	O
9	ServiceName	[1] 5.1.15	O
10	ServiceDescription	[1] 5.1.16	O

Item	Capability	Reference	Status
11	ProviderName	[1] 5.1.17	O
12	VersionNumberList	[1] 5.2.3	O
13	ServiceDataBaseState	[1] 5.2.4	O
14	BluetoothProfileDescriptorList	[1] 5.1.11	O
15	DocumentationURL	[1] 5.1.12	O
16	ClientExecutableURL	[1] 5.1.13	O
17	AdditionalProtocolDescriptorList	[1] 5.1.6	C.1
18	ServiceRecordHandle	[1] 5.1.1	M
19	ServiceClassIDList	[1] 5.1.2	M

C.1: Optional IF SDP 9/2 “ProtocolDescriptorList”, otherwise Excluded.

1.4 SDP Client role

1.4.1 Service Attribute Request PDU

Table 10: Service Attribute Request

Prerequisite: SDP 1b/2 “Client”

Item	Capability	Reference	Status
1	Service Attribute Request	[1] 4.6.1	O

1.4.2 Service Search Attribute Request PDU

Table 11: Service Search Attribute Request

Prerequisite: SDP 1b/2 “Client”

Item	Capability	Reference	Status
1	Service Search Attribute Request	[1] 4.7.1	O

2 References

- [1] Specification of the Bluetooth System, Service Discovery Protocol (SDP) Volume 3, Part B

3 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
	D5r3	2003-11-05	Original Release
	D10R00	2004-03-10	Re-partitioned to match Main Specification Volume/Part partitioning. TSE 555 incorporated.
	D10R01	2004-03-11	Editorial changes
	D12r02	2004-03-23	Editorial changes. Changed reference and document numbering to D12 to reflect applicable Bluetooth version.
	D12r03	2004-03-25	Editorial changes
10	1.2.1	2004-03-29	Changed document number and revision number to conform to legacy system. Added Disclaimer and Copyright Notice.
11	1.2.2	2006-06-20	Changed part number, prepare for publication.
12	1.2.3r0	2006-12-05	Editorial update
13	2.1.E.0	2006-12-29	Change doc identifier to apply to v1.2 and later specifications
14	2.1.E.1	2007-08-14	TSE 2000: Add rows to Tables 4 and 6 to SDP 2.0- TSE 2001: Add rows to Tables 4 and 6 to SDP 2.1 Add Status of O to Tables 4 and 6
15	2.1.E.2	2008-04-30	TSE 2474: Table 2/1 Conditional
	2.1.E.3r0	2008-08-21	TSE 2654: Added three attributes to Table 9
	2.1.E.3r1	2008-11-19	Added "O" as status to new items
16	2.1.E.3	2008-12-11	Prepare for publication.
	4.0.0r0	2011-12-14	TSE 4472: Change 9/17 from O to C.1. Add conditional statement to Table 9
17	4.0.0	2012-03-30	Updated text in Section 1.1.1. Prepare for publication.
	4.1.0r01	2013-11-11	Updated revision to 4.1.0 Updated top sheet to include version 4.1
18	4.1.0	2013-12-03	Prepare for Publication
	4.1.0r01	2014-01-22	Updated Disclaimer and Copyright to 2014
	4.2.0r00	2014-11-17	Revved version to align with Core Specification Version 4.2 Release.
	4.2.0r01	2014-11-20	Updated title to include 4.2
19	4.2.0	2014-12-05	Prepare for TCRL 2014-2 publication
	5.0.0r00	2016-11-08	Revision updated for Core Specification 5.0 release
	5.0.0r01	2016-11-08	Updated Template. Removed unnecessary parentheses.
20	5.0.0	2016-12-13	Approved by BTI. Prepared for TCRL 2016-2 publication.
	5.1.0r00	2018-11-13	Updated revision number to 5.1.0 to align with the adoption of Core Specification version 5.1.

Publication Number	Revision Number	Date	Comments
21	5.1.0	2018-12-07	Approved by BTI. Prepared for TCRL 2018-2 publication.
	p22r00	2019-11-27	Revised document numbering convention, setting last release publication of 5.1.0 as p21; added publication number column to Revision History.
22	p22	2020-01-07	Approved by BTI on 2019-12-22. Prepared for TCRL 2019-2 publication.
	p22ed2r00	2022-07-19	TSE 19145 (rating 1): Updated to align with current ICS conventions/template. Removed Support columns.
	p22 edition 2	2022-08-23	Approved by BTI on 2022-08-22. Prepared for edition 2 publication.
	p23r00–r01	2022-10-03 – 2022-10-28	TSE 20423 (rating 2): Updated prerequisites and references throughout the ICS and aligned item descriptions with the latest ICS conventions.
23	p23	2023-02-07	Approved by BTI on 2022-12-28. Prepared for TCRL 2022-2 publication.
	p24r00–r01	2023-09-08 – 2023-10-10	TSE 24193 (rating 4): Overhauled the SDP ICS to add command support for the Client role. Removed irrelevant ICS items: Tables 1, 3, and 5 (all mandatory if SDP 1b/1).
24	p24	2024-07-01	Approved by BTI on 2024-05-22. Prepared for TCRL 2024-1 publication.

Acknowledgments

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