

Service Discovery Protocol (SDP)

Bluetooth® Implementation Conformance Statement (ICS) Proforma

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1 General principles

1.1 Implementation Under Test (IUT) identification

Using the Bluetooth SIG qualification tool, the implementer is expected to declare details about what will be implemented.

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: No longer used

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
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

Item	Capability	Reference	Status
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.
	p25r00	2025-07-31	TSE 27918 (rating 2): Set Table 7 to “No longer used”.
25	p25	2025-11-04	Approved by BTI on 2025-10-05. Prepared for TCRL pkg101 publication.

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