

Scan Parameters Profile (SCPP)

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

Table 0: Major Versions (X.Y)

Item	Version	Reference	Status
1	SCPP v1.0	[1]	M

1.3 Roles

Table 1: Role Requirements

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

C.1: Mandatory to support at least one of SCPP 1/1 “Scan Server” OR SCPP 1/2 “Scan Client”.

1.4 Transports

Table 2: Transport Requirements

Item	Transport	Reference	Status
1	Profile supported over BR/EDR	[1] 1	C.1
2	Profile supported over LE	[1] 1	M

C.1: Excluded for this Profile.

1.5 Scan Server Role

1.5.1 Services – Scan Server Role

Table 3: Services – Scan Server Role

Prerequisite: SCPP 1/1 “Scan Server”

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Scan Parameters Service	[1] 3.1	M	[2] SCPS 2/1

1.5.2 GAP Requirements – Scan Server Role

Table 4: GAP Requirements – Scan Server Role

Prerequisite: SCPP 1/1 “Scan Server”

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Peripheral	[1] 2.3	M	[4] GAP 5/3 or GAP 38/3
2–6	No longer used	N/A	N/A	N/A

Table 5: No longer used

1.6 Scan Client Role

Table 6: No longer used

1.6.1 Discover Services and Characteristics – Scan Client Role

Table 7: Discover Services and Characteristics – Scan Client Role

Prerequisite: SCPP 1/2 “Scan Client”

Item	Capability	Reference	Status
1	Discover Scan Parameters Service	[1] 4.2.1	M
2	Discover Scan Parameters characteristic: Scan interval Window	[1] 4.3.1.1	M
3	Discover Scan Parameters characteristic: Scan Refresh	[1] 4.3.1.2	M
4	Discover Scan Parameters characteristic: Scan Refresh – Client Characteristic Configuration Descriptor	[1] 4.3.1.2	M

1.6.2 Features – Scan Client Role

Table 8: Features – Scan Client Role

Prerequisite: SCPP 1/2 “Scan Client”

Item	Capability	Reference	Status
1	Write Scan Interval Window characteristic	[1] 4.4	M
2	Configure Scan Refresh characteristic: Client Characteristic Configuration characteristic descriptor with 0x0001	[1] 4.5	O
3	Notify Scan Refresh characteristic	[1] 4.5	M

1.6.3 GATT Requirements – Scan Client Role

Table 9: GATT Requirements – Scan Client Role

Prerequisite: SCPP 1/2 “Scan Client”

Item	Capability	Reference	Status	Inter-Layer Dependency
1	GATT Client over LE	[1] 4.1	M	[3] GATT 1a/1
2	No longer used	N/A	N/A	N/A
3	Discover All Primary Services	[1] 4.1	C.1	[3] GATT 3/2
4	Discover Primary Services by Service UUID	[1] 4.1	C.1	[3] GATT 3/3
5	Discover All Characteristics of a Service	[1] 4.1	C.2	[3] GATT 3/5
6	Discover Characteristics by UUID	[1] 4.1	C.2	[3] GATT 3/6

Item	Capability	Reference	Status	Inter-Layer Dependency
7	Discover All Characteristic Descriptors	[1] 4.1	M	[3] GATT 3/7
8	Write without Response	[1] 4.1	M	[3] GATT 3/12
9	No longer used	N/A	N/A	N/A
10	Notifications	[1] 4.1	M	[3] GATT 3/17

C.1: Mandatory to support at least one of SCPP 9/3 “Discover All Primary Services” OR SCPP 9/4 “Discover Primary Services by Service UUID”.

C.2: Mandatory to support at least one of SCPP 9/5 “Discover All Characteristics of a Service” OR SCPP 9/6 “Discover Characteristics by UUID”.

1.6.4 GAP Requirements – Scan Client Role

Table 10: GAP Requirements – Scan Client Role

Prerequisite: SCPP 1/2 “Scan Client”

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Central	[1] 2.3	M	[4] GAP 5/4 or GAP 38/4
2–4	No longer used	N/A	N/A	N/A

Table 11: No longer used

2 References

- [1] Scan Parameters Profile Specification, Version 1.0
- [2] ICS Proforma for Scan Parameters Service (SCPS)
- [3] ICS Proforma for Generic Attribute Profile (GATT)
- [4] ICS Proforma for Generic Access Profile (GAP)

3 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
0	1.0.0	2011-12-27	Adopted by the Bluetooth SIG Board of Directors
	1.0.1r00	2016-11-01	TSE 8021: Table 0 added; C.1 footnote added to Table 1; references for Transport Requirements updated (Table 2); "Scan Server Role" headings and titles standardized throughout; "Peripheral" capitalization fixed throughout; Table 5 title fixed; miscellaneous typos fixed; "Scan Client Role" name fixed in titles and headings throughout; "Central" capitalization ("Capability" column) fixed throughout; References updated. Template updated.
1	1.0.1	2016-12-13	Approved by BTI. Prepared for TCRL 2016-2 publication.
	1.0.1 edition 2r00	2018-11-26	Editorial changes only. Template updated. Revision History and contributors moved to the end of the document.
	1.0.1 edition 2	2020-01-10	Updated copyright page and confidentiality markings to support new Documentation Marking Requirements, performed minor formatting updates, and accepted all tracked changes to prepare for edition 2 publication.
	p2r00–r02	2022-10-18 – 2022-11-14	TSE 20345 (rating 1): Updated to align with current ICS conventions/template. Removed Support columns and added an Inter-Layer Dependency column where appropriate. Deleted Tables 5 and 11 (SM requirements) because they are no longer used. Removed entries from GAP tables. Updated references. Added a Publication Number column to the Revision History. Revised the document numbering convention, setting the last release publication of 1.0.1 as p1. Performed additional template-related formatting fixes. Replaced the Bluetooth logo in the footer and updated the copyright page to align with v2 of the DNMD.
2	p2	2023-02-07	Approved by BTI on 2022-12-28. Prepared for TCRL 2022-2 publication.

Acknowledgments

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Chris Church	CSR