Scan Parameters Profile (SCPP)

***Bluetooth*® Implementation Conformance Statement (ICS) Proforma**

- **Revision:** SCPP.ICS.p4
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Contents

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 Enforcement of inter-layer dependencies

This ICS includes one or more tables with inter-layer dependencies (ILDs). ILDs are used for specification requirements that are dependent on other supporting specifications. ILDs can refer to an individual ICS item in a separate layer (individual ILD), or it can refer to the full layer (full-layer ILD).

ILDs residing in an X2Core layer will be enforced from the Bluetooth SIG qualification tool in the following conditions, depending on where the referred ILD is residing:

Referred ILD resides in	Individual ILD	Full-layer ILD
Controller layer	Core-Complete configuration, or Referred layer is supported	N/A
Lower HCI layer	HCI is supported	N/A
Upper HCI layer	Core-Host configuration, or UHCI is supported	N/A
Host layer	Core-Host configuration, or Core-Complete configuration, or Referred layer is supported	N/A
X2Core layer	Core-Host configuration, or Core-Complete configuration, or Referred layer is supported	Core-Host configuration, or Core-Complete configuration

Table 1.1: Enforcement of an ILD within the Bluetooth SIG qualification tool

2 ICS declarations

2.1 Versions

Table 0: X.Y Versions

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

2.2 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.

2.3 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	C.2, C.3

C.1: Excluded for this Profile.

C.2: Excluded for this Profile IF CORE 41/1 “BR/EDR Core Configuration” OR CORE 40/1 “Core-Controller”.

C.3: Mandatory for this Profile.

2.4 Scan Server role

2.4.1 Services (Scan Server)

Table 3: Services (Scan Server)

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

2.4.2 GAP requirements (Scan Server)

Table 4: GAP Requirements (Scan Server)

Prerequisite: SCPP 1/1 “Scan Server”

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Peripheral	[1] 2.3	M	[4] GAP 5/3

Item	Capability	Reference	Status	Inter-Layer Dependency
2–6	No longer used	N/A	N/A	N/A

Table 5: No longer used

2.5 Scan Client role

Table 6: No longer used

2.5.1 Discover Services and Characteristics (Scan Client)

Table 7: Discover Services and Characteristics (Scan Client)

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

2.5.2 Features (Scan Client)

Table 8: Features (Scan Client)

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

2.5.3 GATT requirements (Scan Client)

Table 9: GATT Requirements (Scan Client)

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

Item	Capability	Reference	Status	Inter-Layer Dependency
4	Discover Primary Service 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
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	Single Notification	[1] 4.1	M	[3] GATT 3/17

C.1: Mandatory to support at least one.

C.2: Mandatory to support at least one.

2.5.4 GAP requirements (Scan Client)

Table 10: GAP Requirements (Scan Client)

Prerequisite: SCPP 1/2 “Scan Client”

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

Table 11: No longer used

3 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)

4 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 aded 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.
	p2ed2r00–r01	2025-07-11 – 2025-07-15	TSE 27362 (rating 1): Updated the Status for SCPP 2/2 and added conditions C.2 and C.3.
	p2 edition 2	2025-08-05	Approved by BTI on 2025-08-05. Prepared for edition 2 publication.
	p3r00	2025-08-21	TSE 28082 (rating 1): Updated the ILD column for Items 4/1 and 10/1 to delete references to GAP Table 38.
3	p3	2025-11-04	Approved by BTI on 2025-10-02. Prepared for TCRL pkg101 publication.

Publication Number	Revision Number	Date	Comments
	p4r00–r01	2025-12-04 – 2026-01-09	TSE 28169 (rating 1): Updated the conditions in the transport table to make sure the layer is excluded when the design is an implementation of the Core-Controller Configuration by adding "OR CORE 40/1 “Core-Controller”" to an already excluded transport based on Core Configuration support.
4	p4	2026-02-17	Approved by BTI on 2026-01-21. Prepared for TCRL pkg102 publication.

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