

HTTP Proxy Service (HPS)

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: X.Y Versions

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

1.3 Transports

Table 1: Transport Requirements

Item	Transport	Reference	Status
1	Service supported over BR/EDR	[1] 1.5	C.1
2	Service supported over LE	[1] 1.5	C.1

C.1: Mandatory to support at least one.

1.4 Service requirements

Table 2: HPS Service and Characteristics

Item	Capability	Reference	Status
1	HTTP Proxy Service (HPS)	[1] 2	M
2	URI Characteristic	[1] 3.1	M
3	HTTP Header Characteristic	[1] 3.2	M
4	HTTP Entity Body Characteristic	[1] 3.3	M
5	HTTP Control Point Characteristic	[1] 3.4	M
6	HTTP Status Code Characteristic	[1] 3.5	M
7	HTTPS Security Characteristic	[1] 3.6	M
8	HTTP GET	[3] 9.3	M
9	HTTP HEAD	[3] 9.4	M
10	HTTP POST	[3] 9.5	M
11	HTTP PUT	[3] 9.6	M
12	HTTP DELETE	[3] 9.7	M
13	HTTPS GET	[3] 9.3, [4]	M
14	HTTPS HEAD	[3] 9.4, [4]	M
15	HTTPS POST	[3] 9.5, [4]	M
16	HTTPS PUT	[3] 9.6, [4]	M
17	HTTPS DELETE	[3] 9.7, [4]	M
18	HTTP CANCEL	[3] 9.8	M
19	HPS AD includes HPS UUID	[1] 4	C.1
20	HPS connects to client with HPS UUID in Service Solicitation AD type field	[1] 4	C.1

C.1: Mandatory IF HPS 1/2 “Service supported over LE”, otherwise Excluded.

1.5 GATT requirements

Table 3: GATT Requirements

Item	Capability	Reference	Status	Inter-Layer Dependency
1	No longer used	N/A	N/A	N/A
1a	GATT Server over BR/EDR	[1] 1.4	C.1	[2] GATT 1a/4
1b	GATT Server over LE	[1] 1.4	C.2	[2] GATT 1a/3
2	Read Characteristic Value	[1] 1.4	M	[2] GATT 4/8
3	Read Long Characteristic Values	[1] 1.4	M	[2] GATT 4/10
4	Write Characteristic Value	[1] 1.4	M	[2] GATT 4/14
5	Write Long Characteristic Values	[1] 1.4	M	[2] GATT 4/15
6	Notifications	[1] 1.4	M	[2] GATT 4/17
7	Read Characteristic Descriptors	[1] 1.4	M	[2] GATT 4/19
8	Write Characteristic Descriptors	[1] 1.4	M	[2] GATT 4/21

C.1: Mandatory IF HPS 1/1 “Service supported over BR/EDR”, otherwise not defined.

C.2: Mandatory IF HPS 1/2 “Service supported over LE”, otherwise not defined.

1.6 SDP requirements

Table 4: SDP Requirements

Prerequisite: HPS 1/1 “Service supported over BR/EDR”

Item	Capability	Reference	Status
1	SDP record present for HPS	[1] 1.5	M
2	No longer used	N/A	N/A

1.7 GAP requirements

Table 5: LE Connection Procedures

Prerequisite: HPS 1/2 “Service supported over LE”

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Peripheral	[1] 4	M	[5] GAP 5/3 OR GAP 38/3
2	Central	[1] 4	M	[5] GAP 5/4 OR GAP 38/4

2 References

- [1] Bluetooth HTTP Proxy Service Specification, Version 1.0
- [2] ICS Proforma for Generic Attribute Protocol (GATT)
- [3] IETF RFC-2616, Hyper Text Transfer Protocol – HTTP/1.1
- [4] IETF RFC-2818, HTTP Over TLS
- [5] ICS Proforma for Generic Access Profile (GAP)

3 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
0	1.0.0	2015-10-06	Prepared for publication
	1.0.1r00	2016-04-13	TSE 7013: TSE 7013: Update conditionals in Table 2 items 19 and 20 for LE dependency. Deleted Global Statement of Conformance section to align with the current ICS template. Table 5 (LE Connection Procedures) items updated for dual mode GAP ICS. Reference section document titles updated.
	1.0.1r01	2016-04-21	Reviewed by Alicia Courtney. Editorial changes made.
1	1.0.1	2016-07-13	Prepared for TCRL 2016-1 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	2019-12-12	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.
	1.0.1ed3 r00–r02	2021-03-24 – 2021-05-22	TSE 16090 (rating 1): Updated Tables 3, 4, and 5 for consistency issues and Inter-Layer Dependency column; added a reference to the SDP.ICS in the References section. Editorials to align with the latest ICS template. Added a Publication Number column and assigned publication number 1 to the previous v1.0.1. Consistency checker findings.
	1.0.1 edition 3	2021-05-26	Approved by BTI on 2021-05-06. Prepared for publication.
	p2r00–r01	2023-09-27 – 2023-12-08	TSE 23667 (rating 2): Resolved GAP, GATT, and SDP inter-layer dependencies. In Table 3 (GATT Requirements), marked Item 1 as no longer used and added Items 1a and 1b and conditionals C.1 and C.2. In Table 4 (SDP Requirements), deleted the ILD column, updated the Capability value in Item 1, and marked Item 2 as no longer used. Updated the references. Made editorial edits to align the document with the latest ICS template. Replaced the copyright page to align with v2 of the DNMD.
2	p2	2024-07-01	Approved by BTI on 2024-04-21. Prepared for TCRL 2024-1 publication.

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