

HID Service (HIDS)

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 Version

Table 0: Major Versions (X.Y)

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

1.3 Transport Requirements

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	M

C.1: Excluded for this Service.

1.4 Service Requirements

Table 2: Service Requirements

Item	Capability	Reference	Status
1	HID Service	[1] 2	M
2	Boot Keyboard	[1] 2.7	O
3	Boot Mouse	[1] 2.7	O
4	Boot Protocol Mode	[1] 2.4	C.1
5	Protocol Mode Characteristics	[1] 2.4	C.2
6	Boot Keyboard Input Report Characteristic	[1] 2.6.1	C.3
7	Boot Keyboard Input Report Characteristic - Write	[1] 2.6.1	O
8	Boot Keyboard Output Report Characteristic	[1] 2.7.1	C.3
9	Boot Mouse Input Report Characteristic	[1] 2.9.1	C.4
10	Boot Mouse Input Report Characteristic - Write	[1] 2.8.1	O
11	Report Map Characteristic	[1] 2.6	M
11a	Report Map Characteristic - External Report Reference Characteristic descriptor	[1] 2.6.3.1	O
12	Report Characteristic	[1] 2.5	O
13	Report Characteristic - Report Type: Input Report	[1] 2.5.3.1	C.5
14	Report Type: Input Report - Write	[1] 2.5.3.1	O
15	Report Characteristic - Report Type: Output Report	[1] 2.5.3.1	C.5
16	Report Characteristic - Report Type: Feature Report	[1] 2.5.3.1	C.5
17	HID Control Point Characteristic	[1] 2.11	M
18	HID Information Characteristic	[1] 2.10	M

C.1: Mandatory IF HIDS 2/2 “Boot Keyboard” OR HIDS 2/3 “Boot Mouse”, otherwise Optional.

C.2: Mandatory IF HIDS 2/4 “Boot Protocol Mode”, otherwise Optional.

C.3: Mandatory IF HIDS 2/2 “Boot Keyboard”, otherwise Excluded.

C.4: Mandatory IF HIDS 2/3 “Boot Mouse”, otherwise Excluded.



- C.5: Mandatory to support at least one of HIDS 2/13 “Report Characteristic - Report Type: Input Report” OR HIDS 2/15 “Report Characteristic - Report Type: Output Report” OR HIDS 2/16 “Report Characteristic - Report Type: Feature Report” IF HIDS 2/12 “Report Characteristic”, 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
2	GATT Server over LE	[1] 1.5	M	[2] GATT 1a/3
3	Notifications	[1] 1.4, 2.4.1	M	[2] GATT 4/17
4	Read Using Characteristic UUID	[1] 1.4, 2.4.1	M	[2] GATT 4/9
5	Read Characteristic Value	[1] 1.4, 2.6.1, 2.7.1	M	[2] GATT 4/8
6	Read Long Characteristic Values	[1] 1.4, 2.3.1	M	[2] GATT 4/10
7	Read Characteristic Descriptors	[1] 1.4, 2.3.3.1, 2.4.3.1	M	[2] GATT 4/19
8	Write without Response	[1] 1.4, 2.5.1	M	[2] GATT 4/12
9	Write Characteristic Value	[1] 1.4, 2.5.1	M	[2] GATT 4/14
10	Write Characteristic Descriptors	[1] 1.4, 2.4.3.1	M	[2] GATT 4/21

2 References

- [1] HID Service Specification, Version 1.0
- [2] ICS Proforma for Generic Attribute Profile (GATT)

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
	1.0.1	2012-05-18	TSE 4791: Table 2/10 change status from “C.4” to “O”
1	1.0.1	2012-07-24	Prepare for publication.
	1.0.2r00	2016-08-16	TSE 7494: Added Table 0. Added GAP reference and updated conditional notes for Table 1. Updated conditional notes for Table 2.
2	1.0.2	2016-12-13	Approved by BTI. Prepared for TCRL 2016-2 publication.
	1.0.2 edition 2r00	2018-11-27	Editorial changes only. Template updated. Revision History and Contributors moved to the end of the document.
	1.0.2 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.
	p3r00–r02	2022-09-22 – 2022-11-07	<p>TSE 18204 (rating 3): In Table 2, added Item 11a and added ICS elements to C.5.</p> <p>TSE 19174 (rating 1): Updated to align with current ICS conventions/template. Removed Support columns and added an Inter-Layer Dependency column where appropriate. Editorial corrections to C.1 in Table 2 because the referenced ICS and descriptions were swapped. Added missing ICS element to C.5 in Table 2. Added a Publication Number column to the Revision History. Revised the document numbering convention, setting the last release publication of 1.0.2 as p2.</p> <p>Performed additional template-related formatting fixes. Replaced Bluetooth logo in footer and updated the copyright page to align with v2 of the DNMD.</p>
3	p3	2023-02-07	Approved by BTI on 2022-12-28. Prepared for TCRL 2022-2 publication.

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