Health Thermometer Service (HTS)

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

- **Revision:** HTS.ICS.p4
- **Revision Date:** 2026-02-17
- **Prepared By:** BTI
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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	HTS v1.0	[1]	M

2.2 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.2, C.3

C.1: Excluded for this Service.

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

C.3: Mandatory for this Service.

2.3 Service requirements

Table 2: Service Requirements

Item	Capability	Reference	Status
1	Health Thermometer Service	[1] 2	M
2	Temperature Measurement Characteristic	[1] 3.1	M
3	Temperature Type Characteristic	[1] 3.2	O
4	Intermediate Temperature Characteristic	[1] 3.3	O
5	Measurement Interval Characteristic	[1] 3.4	O
6	Measurement Interval Characteristic, Write	[1] 3.4	C.1
7	Measurement Interval Characteristic, Indicate	[1] 3.4	C.1
8	Stored Measurements	[1] 3.5	O

C.1: Optional IF HTS 2/5 “Measurement Interval Characteristic”, otherwise Excluded.

2.4 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	Write Characteristic Value	[1] 1.4	C.1	[2] GATT 4/14
4	Single Notification	[1] 1.4	C.2	[2] GATT 4/17
5	Indication	[1] 1.4	M	[2] GATT 4/18

Item	Capability	Reference	Status	Inter-Layer Dependency
6	Read Characteristic Descriptor	[1] 1.4	M	[2] GATT 4/19
7	Write Characteristic Descriptor	[1] 1.4	M	[2] GATT 4/21

C.1: Mandatory IF HTS 2/6 “Measurement Interval Characteristic, Write”, otherwise not defined.

C.2: Mandatory IF HTS 2/4 “Intermediate Temperature Characteristic”, otherwise not defined.

2.5 GAP requirements

Table 4: GAP Requirements

Item	Transport	Reference	Status	Inter-Layer Dependency
1	Authentication procedure	[1] 3	C.1	[3] GAP 25/3

C.1: Mandatory IF HTS 2/6 “Measurement Interval Characteristic, Write”, otherwise Optional.

3 References

[1] Health Thermometer Service Specification, Version 1.0

[2] ICS Proforma for Generic Attribute Profile (GATT)

[3] ICS Proforma for Generic Access Profile (GAP)

4 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
0	1.0.0	2011-05-24	Prepare for publication.
	1.0.1r0	2011-11-03	TSE 4457: Update Table 4/1 Reference. TSE 4516: Update Table 1/2 Reference
1	1.0.1	2012-03-30	Prepare for publication.
	1.0.2r00	2016-08-16	TSE 7489: Added Table 0. Updated conditionals for Table 2–4. Updated References section.
2	1.0.2	2016-12-13	Approved by BTI. Prepared for TCRL 2016-2 publication.
	1.0.2 edition 2r00	2018-11-26	Editorial changes only. Template updated. Revision History and contributors moved to the end of the document.
	1.0.2 edition 2	2019-12-16	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–r01	2022-10-05 – 2022-10-13	TSE 19218 (rating 1): Updated to align with current ICS conventions/template. Removed Support columns and added an Inter-Layer Dependency column where appropriate. Updated references. Performed additional template-related formatting fixes. 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. Replaced Bluetooth logo in footer and updated the copyright page to align with v2 of the DNMD.
3	p3	2023-02-07	Approved by BTI on 2022-12-28. Prepared for TCRL 2022-2 publication.
	p3ed2r00	2025-07-10	TSE 27299 (rating 1): Updated the title for Table 0. Updated the Status for HTS 1/2, added conditions C.2 and C.3, and updated the Capability in HTS 3/4.
	p3 edition 2	2025-08-05	Approved by BTI on 2025-08-05. Prepared for edition 2 publication.
	p4r00–r01	2025-12-04 – 2026-01-08	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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