# Heart Rate Service (HRS)

Bluetooth<sup>®</sup> 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	HRS v1.0	[1]	Μ

## **1.3 Transports**

#### **Table 1: Transport Requirements**

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

C.1: Excluded for this Service.

## **1.4 Service Requirements**

#### **Table 2: Service Requirements**

Item	Capability	Reference	Status
1	Heart Rate Service	[1] 2	М
2	Heart Rate Measurement Characteristic	[1] 3.1	М
3	Support for Heart Rate Measurement Values in UINT16 format	[1] 3.1.1.1.1	0
4	Sensor Contact feature		0
5	Energy Expended feature	[1] 3.1.1.3	0
6	RR-Interval feature	[1] 3.1.1.4	0
7	Body Sensor Location Characteristic		0
8	Heart Rate Control Point Characteristic	[1] 3.3	C.1
9	Heart Rate Control Point Characteristic – Reset Energy Expended	[1] 3.3.1	C.1

C.1: Mandatory IF HRS 2/5 "Energy Expended feature", 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	М	[2] GATT 1a/3
3	Write Characteristic Value	[1] 1.4	C.1	[2] GATT 4/14
4	Notifications	[1] 1.4	М	[2] GATT 4/17
5	Read Characteristic Descriptors	[1] 1.4	М	[2] GATT 4/19



ltem	Capability	Reference	Status	Inter-Layer Dependency
6	Write Characteristic Descriptors	[1] 1.4	Μ	[2] GATT 4/21

C.1: Mandatory IF HRS 2/8 "Heart Rate Control Point Characteristic", otherwise not defined.



## 2 References

- [1] Heart Rate 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	2011-07-12	Adopted by Bluetooth SIG Board of Directors
	1.0.1r0	2011-12-15	TSE 4632: Update Table 1 to align with GATT based services and profiles
1	1.0.1	2012-03-30	Prepare for publication.
	1.0.2r00	2016-10-05	TSE 7518: Table 0 added; copyedited table notes; "References" updated; new(ish) template.
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	2019-12-13	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	2022-10-18	TSE 19333 (rating 1): Updated to align with current ICS conventions/template. Removed Support columns and added an Inter-Layer Dependency column where appropriate. Updated the references list. 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. 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.
3	р3	2023-02-07	Approved by BTI on 2022-12-28. Prepared for TCRL 2022-2 publication.

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