

Body Composition Service (BCS)

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	BCS v1.0	[1] BCS 1.0	M

Table 1: X.Y.Z Versions

Item	Version	Reference	Status
1	BCS v1.0.1	[3] BCS 1.0.1	C.1

C.1: Optional IF BCS 0/1 “BCS v1.0”, otherwise Excluded.

1.3 Transports

Table 2: 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 and feature requirements

Table 3: Feature Requirements

Item	Capability	Reference	Status
1	Stored Measurements	[1] 3.4	O
2	Multiple Users Supported	[1] 3.2.1.4	O
3	Multiple Packet Measurement Supported	[1] 3.2.1.5	O

Table 4: Service Requirements

Item	Capability	Reference	Status
1	Body Composition Feature Characteristic	[1] 3.1	M
2	Body Composition Measurement Characteristic	[1] 3.2	M
3	Time Stamp field of Body Composition Measurement Characteristic	[1] 3.2.1.3	C.1
4	User ID field of Body Composition Measurement Characteristic	[1] 3.2.1.4	C.2
5	Basal Metabolism field of Body Composition Measurement Characteristic	[1] 3.2.1.5	O
6	Muscle Percentage field of Body Composition Measurement Characteristic	[1] 3.2.1.6	O
7	Muscle Mass field of Body Composition Measurement Characteristic	[1] 3.2.1.7	O

Item	Capability	Reference	Status
8	Fat Free Mass field of Body Composition Measurement Characteristic	[1] 3.2.1.8	O
9	Soft Lean Mass field of Body Composition Measurement Characteristic	[1] 3.2.1.9	O
10	Body Water Mass field of Body Composition Measurement Characteristic	[1] 3.2.1.10	O
11	Impedance field of Body Composition Measurement Characteristic	[1] 3.2.1.11	O
12	Weight field of Body Composition Measurement Characteristic	[1] 3.2.1.12	O
13	Height field of Body Composition Measurement Characteristic	[1] 3.2.1.13	O
14	Indications for changes of supported features	[3] 3, 3.1.1	C.3

C.1: Mandatory IF BCS 3/1 “Stored Measurements”, otherwise Optional.

C.2: Mandatory IF BCS 3/2 “Multiple Users Supported”, otherwise Excluded.

C.3: Optional IF BCS 0/1 “BCS v1.0” AND NOT BCS 1/1 “BCS v1.0.1”, otherwise Mandatory.

Table 4a: Indications for Changes of Supported Features

Prerequisite: BCS 4/14 “Indications for changes of supported features”

Item	Capability	Reference	Status
1	Changeable Body Composition Feature	[3] 3	O
2	Body Composition Feature characteristic indication	[3] 3.1.1	C.1

C.1: Mandatory IF BCS 4a/1 “Changeable Body Composition Feature” AND (BCS 7/1 “Bondable mode (BR/EDR)” OR BCS 7/2 “Bondable mode (LE)”), otherwise Excluded.

1.5 GATT requirements

Table 5: 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	Indications	[1] 1.4	M	[2] GATT 4/18
3	Read Characteristic Descriptors	[1] 1.4	M	[2] GATT 4/19
4	Write Characteristic Descriptors	[1] 1.4	M	[2] GATT 4/21

C.1: Mandatory IF BCS 2/1 “Service supported over BR/EDR”, otherwise not defined.

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

1.6 SDP requirements

Table 6: SDP Requirements

Prerequisite: BCS 2/1 “Service supported over BR/EDR”

Item	Capability	Reference	Status
1	SDP record present for BCS	N/A	M
2–3	No longer used	N/A	N/A

1.7 GAP requirements

Table 7: GAP Requirements

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Bondable mode (BR/EDR)	[1] 3	O	[4] GAP 1/7
2	Bondable mode (LE)	[1] 3	O	[4] GAP 24/2
3	Bonding procedure	[1] 3	C.1	[4] GAP 24/3

C.1: Mandatory IF BCS 7/2 “Bondable mode (LE)”, otherwise not defined.

2 References

- [1] Body Composition Service Specification, Version 1.0 or later
- [2] ICS Proforma for Generic Attribute Profile (GATT)
- [3] Body Composition Service Specification, Version 1.0.1
- [4] ICS Proforma for Generic Access Profile (GAP.ICS)

3 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
0	1.0.0	2014-10-21	Publication
	1.0.1r00	2016-11-01	TSE 8016: Updated References and template.
1	1.0.1	2016-12-13	Approved by BTI. Prepared for TCRL 2016-2 publication.
	1.0.2r00	2017-05-16	TSE 9355: Template conversion.
2	1.0.2	2017-11-28	Approved by BTI. Prepared for TCRL 2017-2 publication.
	p3r00–r02	2022-03-16 – 2022-04-13	TSE 18616 (rating 1): Removed Table 1 because it is no longer needed. TSE 18707 (rating 1): Editorials to align the document with the latest ICS template in anticipation of a future .Z release. Assigned publication number 2 to previous v1.0.2 and aligned copyright page with v2 of the DNMD. Made consistency check update.
3	p3	2022-06-28	Approved by BTI on 2022-05-31. Prepared for TCRL 2022-1 publication.
	p4r00–r05	2023-08-23 – 2023-11-02	TSE 16705 (rating 4): Added Table 1 for BCS v1.0.1 and new conditional C.1 in Table 0 for BCS v1.0. Added Table 7 for GAP inter-layer dependencies. Added new Item 4/14 and Table 4a per E16256. Added a reference for Body Composition Service Specification, Version 1.0.1. Updated the Acknowledgments. TSE 23644 (rating 2): Updated the section headings for the Versions and Transports sections, the title of Table 0, and the transport requirement names and C.1 in Table 2. In Table 5, marked Item 1 as no longer used, added Items 1a and 1b, and added C.1 and C.2. In Table 6, updated the capability for Item 1 and marked Items 2 and 3 as no longer used. Updated the references list. Removed D&W language and cleaned up conditionals in Tables 0 and 1. Editorials to align the document with the latest ICS template. Deleted draft revision history comments prior to p0.
4	p4	2024-07-01	Approved by BTI on 2024-04-21. Prepared for TCRL 2024-1 publication.

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