

Weight Scale Service (WSS)

Bluetooth® Implementation Conformance Statement (ICS) Proforma

- **Revision:** WSS.ICS.p5
- **Revision Date:** 2026-02-17
- **Prepared By:** BTI
- **Published during TCRL:** TCRL.pkg102



This document, regardless of its title or content, is not a Bluetooth Specification as defined in the Bluetooth Patent/Copyright License Agreement (“PCLA”) and Bluetooth Trademark License Agreement. Use of this document by members of Bluetooth SIG is governed by the membership and other related agreements between Bluetooth SIG Inc. (“Bluetooth SIG”) and its members, including the PCLA and other agreements posted on Bluetooth SIG’s website located at www.bluetooth.com.

THIS DOCUMENT IS PROVIDED “AS IS” AND BLUETOOTH SIG, ITS MEMBERS, AND THEIR AFFILIATES MAKE NO REPRESENTATIONS OR WARRANTIES AND DISCLAIM ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY, TITLE, NON-INFRINGEMENT, FITNESS FOR ANY PARTICULAR PURPOSE, THAT THE CONTENT OF THIS DOCUMENT IS FREE OF ERRORS.

TO THE EXTENT NOT PROHIBITED BY LAW, BLUETOOTH SIG, ITS MEMBERS, AND THEIR AFFILIATES DISCLAIM ALL LIABILITY ARISING OUT OF OR RELATING TO USE OF THIS DOCUMENT AND ANY INFORMATION CONTAINED IN THIS DOCUMENT, INCLUDING LOST REVENUE, PROFITS, DATA OR PROGRAMS, OR BUSINESS INTERRUPTION, OR FOR SPECIAL, INDIRECT, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE DAMAGES, HOWEVER CAUSED AND REGARDLESS OF THE THEORY OF LIABILITY, AND EVEN IF BLUETOOTH SIG, ITS MEMBERS, OR THEIR AFFILIATES HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

This document is proprietary to Bluetooth SIG. This document may contain or cover subject matter that is intellectual property of Bluetooth SIG and its members. The furnishing of this document does not grant any license to any intellectual property of Bluetooth SIG or its members.

This document is subject to change without notice.

Copyright © 2013–2026 by Bluetooth SIG, Inc. The Bluetooth word mark and logos are owned by Bluetooth SIG, Inc. Other third-party brands and names are the property of their respective owners.



Contents

1	General principles	4
1.1	Implementation Under Test (IUT) identification	4
1.2	Enforcement of inter-layer dependencies	4
2	ICS declarations	5
2.1	Versions	5
2.2	Transports	5
2.3	Service and feature requirements.....	5
2.4	GATT requirements	6
2.5	SDP requirements.....	6
2.6	GAP requirements	7
3	References	8
4	Revision history and acknowledgments	9



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	WSS v1.0	[1]	M

Table 0a: X.Y.Z Versions

Item	Version	Reference	Status
1	WSS v1.0.1	[3]	O

Table 1: No longer used

2.2 Transports

Table 2: Transport Requirements

Item	Transport	Reference	Status
1	Service supported over BR/EDR	[1] 1.5	C.1, C.3
2	Service supported over LE	[1] 1.5	C.2, C.3

C.1: Excluded for this Service IF CORE 41/2 "LE Core Configuration" OR CORE 40/1 "Core-Controller".

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

C.3: Mandatory to support at least one.

2.3 Service and feature requirements

Table 3: Service Requirements

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

Table 4: GATT Database Requirements

Item	Capability	Reference	Status
1	Weight Scale Feature Characteristic	[1] 3.1	M
2	Weight Measurement Characteristic	[1] 3.2	M
3	Time Stamp field of Weight Measurement Characteristic	[1] 3.2.1.3, 3.4	C.1
4	User ID field of Weight Measurement Characteristic	[1] 3.2.1.4	C.2



Item	Capability	Reference	Status
5	BMI and Height fields of Weight Measurement Characteristic	[1] 3.2.1.5	C.3
6	Indications for changes of supported features	[3] 3, 3.1.1	C.4

- C.1: Mandatory IF WSS 3/1 “Stored Measurements”, otherwise Optional.
 C.2: Mandatory IF WSS 3/2 “Multiple Users Supported”, otherwise Excluded.
 C.3: Mandatory IF WSS 3/3 “BMI Supported”, otherwise Excluded.
 C.4: Optional IF WSS 0/1 “WSS v1.0” AND NOT WSS 0a/1 “WSS v1.0.1”, otherwise Mandatory.

Table 4a: Indications for changes of supported features

Prerequisite: WSS 4/6 “Indications for changes of supported features”

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

- C.1: Mandatory IF WSS 4a/1 “Changeable Weight Scale Feature” AND (WSS 7/1 “Bondable mode (BR/EDR)” OR WSS 7/2 “Bondable mode (LE)”), otherwise Excluded.

2.4 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	Indication	[1] 1.4	M	[2] GATT 4/18
3	Read Characteristic Descriptor	[1] 1.4	M	[2] GATT 4/19
4	Write Characteristic Descriptor	[1] 1.4	M	[2] GATT 4/21

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

2.5 SDP requirements

Table 6: SDP Requirements

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

Item	Capability	Reference	Status
1	SDP record present for WSS	[1] 4	M
2–3	No longer used	N/A	N/A



2.6 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 WSS 7/2 “Bondable mode (LE)”, otherwise not defined.

3 References

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

4 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
0	1.0.0	2014-10-21	Initial publication
	1.0.1r00	2016-11-01	TSE 8019: Updated references for transport requirements (Table 2). Updated References section. Updated template.
1	1.0.1	2016-12-13	Approved by BTI. Prepared for TCRL 2016-2 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	2020-01-10	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.
	p2r00–r02	2022-03-22 – 2022-05-06	TSE 18676 (rating 1): Removed the Core Versions table. TSE 18728 (rating 1): Editorials to align the document with the latest ICS template in anticipation of a future .Z release. Editorials, including assigning publication number 1 to previous v1.0.1, consistency checker fixes, and aligning the copyright page with v2 of the DNMD.
2	p2	2022-06-28	Approved by BTI on 2022-05-31. Prepared for TCRL 2022-1 publication.
	p3r00	2023-09-24	TSE 23685 (rating 2): Resolved GATT and SDP inter-layer dependencies. Made editorial edits to align the document with the latest ICS template, including updates to the titles for Sections 1.2 and 1.3, the title for Table 0, and C.1 of Table 2. In Table 5, marked Item 1 as no longer used and added Items 1a and 1b and conditionals C.1 and C.2. In Table 6, updated the Capability and Reference values for Item 1, and marked Items 2 and 3 as no longer used. Updated the references.
3	p3	2024-07-01	Approved by BTI on 2024-04-21. Prepared for TCRL 2024-1 publication.
	p4r00–r02	2024-07-30 – 2024-08-28	TSE 16704 (rating 4): Per E16254, added new Tables 0a, 4a, and 7. In Table 4, added item WSS 4/6 and conditional C.4. Added references for WSS Specification v1.0.1 and GAP ICS. Updated the list of acknowledgments. TSE 25596 (rating 1): Per E16254, E16255, and E18760, added new Table 0a. Updated the references list.
4	p4	2024-10-08	Approved by BTI on 2024-09-11. WSS v1.0.1 adopted by the BoD on 2024-10-01. Prepared for TCRL 2024-2-addition publication.



Publication Number	Revision Number	Date	Comments
	p4ed2	2025-07-09	TSE 27341 (rating 1): Updated the Status value for WSS 2/1 and WSS 2/2, added conditions C.1 and C.2, and renumbered the previous C.1 as C.3. Incorporated editorials to align the document with the latest ICS template, including updates to Section 1 and the addition of a section heading for the ICS declarations section.
	p4 edition 2	2025-08-05	Approved by BTI on 2025-08-05. Prepared for edition 2 publication.
	p5r00-r01	2025-12-04 – 2026-01-09	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.
5	p5	2026-02-17	Approved by BTI on 2026-01-21. Prepared for TCRL pkg102 publication.

Acknowledgments

Name	Company
Dejan Berec	Bluetooth SIG, Inc.
Jawid Mirani	Bluetooth SIG, Inc.
Robert Hughes	Intel

