

Cookware Service (CWS)

Bluetooth® Implementation Conformance Statement (ICS) Proforma

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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
Host layer	Core-Host configuration, or Core-Complete configuration, or Referred layer is supported	N/A

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	CWS v1.0	[1]	M

Table 1: X.Y.Z Versions

Table number reserved but not yet in use.

2.2 Transports

Table 2: Transport Requirements

Item	Transport	Reference	Status
1	Service supported over BR/EDR	[1] 2.4	C.1, C.3
2	Service supported over LE	[1] 2.4	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 Features

Table 3: Cookware Features

Item	Capability	Reference	Status
1	Control Loop	[1] 2.7, 3.2.2	O
2	Multiple Cookware Sensor Data characteristics	[1] 3	O
3	Vessel Cookware Type Support	[1] 3.1.1.1	O

2.4 Service requirements

Table 4: Cookware Service

Item	Characteristic	Reference	Status
1	Cookware Description characteristic	[1] 3.1	M
2	Indicatable Cookware Description characteristic	[1] 3.1.2	O
3	Recipe Parameters characteristic	[1] 3.2	C.1
4	Recipe Control	[1] 3.3	C.1
5	Cooking Step Status characteristic	[1] 3.4	C.1
6	Cooking Zone Capabilities characteristic	[1] 3.5	C.1



Item	Characteristic	Reference	Status
7	Cooking Zone Desired Cooking Conditions characteristic	[1] 3.6	C.1
8	Cooking Zone Actual Cooking Conditions characteristic	[1] 3.7	C.1
9	Cookware Sensor Data characteristic	[1] 3.8	M
10	Cookware Sensor Aggregate characteristic	[1] 3.9	C.2

C.1: Mandatory IF CWS 3/1 “Control Loop”, otherwise Excluded.

C.2: Mandatory IF CWS 3/2 “Multiple Cookware Sensor Data characteristics”, otherwise Excluded.

Table 5: Cookware Sensor Data Descriptors

Prerequisite: CWS 4/9 “Cookware Sensor Data characteristic”

Item	Characteristic	Reference	Status
1	Cooking Sensor Info descriptor	[1] 3.7.3.1	M
2	Cooking Trigger Setting descriptor	[1] 3.7.3.2	M
3	Writable Trigger Setting descriptor	[1] 3.7.3.2	O
4	Client Characteristic Configuration descriptor	[1] 3.7.3	M
5	Valid Range descriptor	[1] 3.7.3.3	O

2.5 GATT requirements

Table 6: GATT Requirements

Item	Feature	Reference	Status	Inter-Layer Dependency
1	GATT Server over BR/EDR	[1] 2.6	C.1	[2] GATT 1a/4
2	GATT Server over LE	[1] 2	C.2	[2] GATT 1a/3
3	Write Characteristic Value	[1] 2.6	C.3	[2] GATT 4/14
4	Read Characteristic Descriptor	[1] 2.6	M	[2] GATT 4/19
5	Write Characteristic Descriptor	[1] 2.6	M	[2] GATT 4/21
6	Single Notification	[1] 2.6	M	[2] GATT 4/17
7	Indication	[1] 2.6	M	[2] GATT 4/18

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

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

C.3: Mandatory IF CWS 3/1 “Control Loop”, otherwise Optional.

2.6 SDP requirements

Table 7: SDP Requirements

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

Item	Feature	Reference	Status
1	SDP record present for CWS	[1] 4	M



3 References

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

4 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
0	p0	2025-11-04	Approved by BTI on 2025-10-02. CWS v1.0 adopted by the BoD on 2025-11-03. Prepared for initial publication.
	p1r00	2025-12-04 – 2025-12-12	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.
1	p1	2026-02-17	Approved by BTI on 2026-01-21. Prepared for TCRL pkg102 publication.

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