

# Erratum 29038: Cookware Device ID in CWP

## Bluetooth® Expedited Specification Update

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- **Version:** v1.0
- **Version Date:** 2026-09-03
- **Prepared By:** Automation Working Group

This Expedited Specification Update applies to the following specification:

- Cookware Profile Specification, Version 1.0 [\[1\]](#) (“Source Specification”)

### **Abstract:**

This document specifies the changes to the Cookware Profile specification required to identify a cookware device by cooking controllers and cooking appliances.

**Version History**

| <b>Version Number</b> | <b>Date<br/>(yyyy-mm-dd)</b> | <b>Comments</b>                                  |
|-----------------------|------------------------------|--------------------------------------------------|
| v1.0                  | 2026-09-03                   | Adopted by the Bluetooth SIG Board of Directors. |

**Acknowledgments**

| <b>Name</b>        | <b>Company</b>           |
|--------------------|--------------------------|
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# 1 Drafting conventions

## 1.1 Language

Refer to and follow any terminology, language conventions, and interpretation sections of the Source Specification(s).

## 1.2 Formatting and color

The formatting and color conventions described in [Table 1.1](#) below are used in this Expedited Specification Update to describe the specific changes and additions to the Source Specification(s) identified on the cover page.

| Text Color                   | Description                                                                                                         |
|------------------------------|---------------------------------------------------------------------------------------------------------------------|
| black                        | Text that is unmodified from the Source Specification.                                                              |
| red                          | Text that is added to the Source Specification.                                                                     |
| <del>red strikethrough</del> | Text that is deleted from the Source Specification.                                                                 |
| [green bracketed text]       | Comments that explain the changes to be made to the Source Specification.                                           |
| [...]                        | Indicates the section of the Source Specification that includes additional text that is not included in black text. |
| blue                         | Default color used for section numbers and headings of this document.                                               |

Table 1.1: Color key for headings, captions, and body text

## 2 Changes to Cookware Profile Version 1.0

This Section sets forth the specific changes and additions, using the formatting and color conventions described in Section 1.2, to Cookware Profile Version 1.0.

### 2.1 Changes to Cookware Profile Version 1.0

#### 2.1.1 [Modified Section] 1.4 Terminology

[The modified text with changes for Table 1.2 is shown below (bottom part of Table 1.2).]

| Term                  | Definition                                                                                                                                                                                                                                                            |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ...                   | ...                                                                                                                                                                                                                                                                   |
| Cooking Controller    | A device such as a smartphone, a tablet, a wearable device, or a dedicated control panel that can observe and/or modify the Cooking Appliance behavior.                                                                                                               |
| Cooking Zone          | A zone of the Cooking Appliance that provides heat or cold to a CWD. This can be, for example, a burner of the cooktop or a chamber of the oven.                                                                                                                      |
| Cookware Device (CWD) | A device such as a pot or pan, a temperature probe, or another external sensor that may be used to assist a cooking process that uses an oven, cooktop, or other food preparation device.                                                                             |
| Cookware Device ID    | A randomly generated 128-bit number that uniquely identifies an individual CWD.                                                                                                                                                                                       |
| Recipe Parameters     | In the context of the Sensor-Assisted Cooking System, the Recipe Parameters is a set of cooking parameters, including target temperature, pressure, and humidity (i.e., the amount of steam) that should be maintained in a CWD for the duration of the cooking step. |

Table 1.2: Terminology

#### 2.1.2 [Modified Section] 3.1.1 Additional requirements for Low Energy transport

This section describes additional CWD requirements beyond those defined in CWS [2].

A CWD supports two types of advertising: the advertising for initial discovery by CWC and in-use advertising.

[Move the following text to Section 3.1.1.2.]

~~The CWD shall not enter GAP Discoverable, GAP Non-Connectable, or GAP Connectable mode (i.e., shall not advertise) while not in use.~~

~~The “in use” condition for a CWD means that either of two things have occurred:~~

- ~~The CWD has detected heat.~~
- ~~The CWD has received a signal from an embedded accelerometer that the CWD is being moved.~~

### 2.1.3 [New Section 3.1.1.1] Advertising for initial connection with a CWC

[The text used to be in Section 3.1.1. There are modifications in the references at the end of the section.]

The CWD shall enter the GAP Limited Discoverable mode when instructed by a user for initial connection with a CWC (e.g., when a user pushes a “Connect” button to perform pairing).

While in the GAP Limited Discoverable mode, the CWD should include the following AD types in the advertisement packets:

- Service ~~UUID~~ Data AD type (see Section 3.1.1.1.1)
- Local Name AD type (see Section 3.1.1.1.2)
- Appearance AD type (see Section 3.1.1.1.3)

### 2.1.4 [Section 3.1.1.1 is changed to 3.1.1.1.1] Service ~~UUID~~ Data AD type

The Service ~~UUID~~ Data AD type field of the Advertising Data (AD) ~~should~~ shall include the CWS UUID defined in [5]. Including the CWS UUID enhances the user experience because the advertiser can be identified as a CWD before initiating a connection.

When a Cooking Controller instructs a CA to associate a Cooking Zone with a specific CWD, the Cooking Controller specifies the Cooking Device ID of the CWD. The Cooking Device ID in the advertising packet allows the CA to identify which CWD to connect to.

The format of the Service Data AD type field while in the discoverable mode is defined in Table 2.x.

| Field                                              | Data Type | Size (in Octets) | Description             |
|----------------------------------------------------|-----------|------------------|-------------------------|
| Service Data AD Type (see Section 1.11 of CSS [6]) | uint8     | 1                | AD type: «Service Data» |
| Service Data UUID                                  | uint16    | 2                | «CWS UUID»              |
| Cookware Device ID                                 | uint8[16] | 16               | Cookware Device ID      |

Table 2.x: Format of the Service Data AD Type in discoverable advertising packets

### 2.1.5 [Section 3.1.1.2 is changed to 3.1.1.1.2] Local Name AD type

[No changes other than the section number.]

## 2.1.6 [Section 3.1.1.3 is changed to 3.1.1.1.3] Appearance AD type

[No changes other than the section number.]

## 2.1.7 [New Section 3.1.1.2] In-use advertising

[The text used to be part of Section 3.1.1 with some modifications.]

The CWD shall not enter the GAP Discoverable, GAP Non-Connectable, or GAP Connectable mode (i.e., shall not advertise) while not in use.

The CWD considers itself to be in use when it detects a change in temperature (e.g., caused by external heat), when it receives a signal from its embedded accelerometer indicating movement, or when it meets another application-specific condition.

The “in use” condition for a CWD means that either of two things have occurred:

- ~~The CWD has detected heat.~~
- ~~The CWD has received a signal from an embedded accelerometer that the CWD is being moved.~~

The CWD shall enter the GAP Connectable mode if all three of the following conditions are met:

- The CWD has bonded clients.
- The CWD does not have connections established.
- The CWD detects an “in use” condition ~~(e.g., when the CWD detects heat or when the CWD receives a signal from an embedded accelerometer that the CWD is being moved).~~

The CWD shall stay in the GAP Connectable mode while the “in use” condition persists.

Even if the CWD has connection(s) established, the CWD should continue advertising in the GAP Connectable mode or in the GAP Non-Connectable mode. Continuing to advertise in the GAP Connectable mode allows other clients to monitor the cooking process or to establish connection with the CWD (see Section 5). Continuing to advertise in the GAP Non-Connectable mode allows clients to monitor the cooking process without establishing a connection with the CWD.

While in either the GAP Connectable mode or in the GAP Non-Connectable mode, the CWD should include the ~~following~~ Encrypted Data AD type in the advertisement packets~~:~~.

- ~~Encrypted Data AD type (see Section 3.1.1.2.1)~~

## 2.1.8 [Section 3.1.1.4 is changed to 3.1.1.2.1] Service Encrypted Data AD type

[No changes other than the section number and the title.]

## 2.1.9 [Modified Section] 4 Cookware Client role requirements

[The modified text with changes for the upper part of Table 4.2 is shown below.]

| Service | Characteristic / Descriptor Requirements | Support in CWC | Additional Requirements         |
|---------|------------------------------------------|----------------|---------------------------------|
| CWS     | Cookware Description characteristic      | M              | Section <a href="#">4.4.1.1</a> |
|         | Cookware Device ID characteristic        | M              | Section <a href="#">4.4.1.1</a> |
|         | Recipe Parameters characteristic         | C.1            | Section <a href="#">4.4.2.1</a> |
|         | ...                                      | ...            | ...                             |

### 2.1.10 **[Modified Section]** 4.4.1.1 Cookware Description and Cookware Device ID characteristics

[The modified text with changes is shown below.]

To obtain information about the CWD, the CWC shall read the value of the Cookware Description characteristic. The value obtained by the CWC may be used to execute the Control Loop.

To obtain the Cookware Device ID of the CWD, the CWC shall read the value of the Cookware Device ID characteristic. The value may be used by the Cooking Controller to associate the Cooking Zone of a CA with a specific CWD.

## 3 References

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- [1] Cookware Profile, Version 1.0