

# 802.11 Protocol Adaptation Layer (80211PAL)

## **Bluetooth® Implementation Conformance Statement (ICS) Proforma**

---

- **Revision:** 80211PAL.ICS.p9
- **Revision Date:** 2024-07-01
- **Prepared By:** BTI
- **Published during TCRL:** TCRL.2024-1



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](http://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 © 2009–2024 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

<b>1</b>	<b>Identification of the implementation .....</b>	<b>4</b>
1.1	Implementation Under Test (IUT) identification .....	4
1.2	Capability statement .....	5
1.2.1	General operation .....	5
<b>2</b>	<b>References .....</b>	<b>6</b>
<b>3</b>	<b>Revision history and acknowledgments .....</b>	<b>7</b>

# 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 Capability statement

### 1.2.1 General operation

**Table 0: Protocol**

Item	Capability	Reference	Status
1	802.11 PAL	[1]	M
2	802.11 PAL – Core Specification Addendum 2 (CSA 2)	N/A	Deprecated 2019-01-28. Withdrawn 2022-02-01.

**Table 1: Capabilities**

Item	Capability	Reference	Status
1	Discovery	[1] 2.2, 2.14.1 [2] 7.5.8, 7.5.9, 7.5.10	M
2	Physical Links	[1] 3.1, 3.3, 3.4 [2] 5.3.2, 7.1	M
3	Best Effort Logical Links	[1] 4 [2] 5.3.2, 7.1	M
4	Data Transfer	[1] 5.1, 5.2	M
5	Receipt of Activity Reports	[1] 5.2.3	O
6	Scheduling using Activity Reports	[1] 5.2.3	C.1
7	Guaranteed Logical Links	[1] 4.1.4, 5.5	O
8	5 GHz capable	[1] 3.2.3, 3.2.4	O
9	HT Capable	[1] 2.2, 2.14.3, 3.3.1.1	O
10	40 MHz Capable	[1] 2.14.7, 3.2.4	C.3
11	Short Range Mode	[1] 2.7 [2] 7.4.7, 7.7.59	O

C.1: Optional IF 80211PAL 1/5 “Receipt of Activity Reports”, otherwise Excluded.

C.2: No longer used

C.3: Optional IF 80211PAL 1/8 “5 GHz capable” AND 80211PAL 1/9 “HT Capable”, otherwise Excluded.

**Table 2: Capabilities**

*Prerequisite: 80211PAL 1/2 “Physical Links”*

Item	Capability	Reference	Status
1	Multiple Physical Links	[1] 3.1, 3.3.1, 3.3.2, 5.1 [2] 5.4.2	O

## 2 References

---

- [1] Specification of the Bluetooth System, 802.11 PAL Specification, Volume 5, Part A, Version 3.0+HS or later
- [2] Specification of the Bluetooth System, HCI Specification, Volume 2, Part E, Version 3.0+HS or later

### 3 Revision history and acknowledgments

#### Revision History

Publication Number	Revision Number	Date	Comments
	1.0.0r0	2009-02-09	First draft for review
0	3.0.H.0	2009-04-09	Prepare for publication.
	3.0.H.0r3	2011-07-11	Integrated comments from BTI review.
	3.0.H.0r4	2011-07-14	Add “Best Effort” prefix to Logical Links to clarify the difference from Guaranteed.
	3.0.H.0r6	2011-08-21	Removed references for items captured in preambles of tests, as requested by BTI. Aligned file name (5) and revision number (4) of document; chose the largest of the two. Added optional ICS entry for 5 GHz capability.
	3.0.H.0r7	2011-12-15	Resolved comments from BTI review.
	4.0.0r0-1	2011-12-19	Resolved final comments from BTI review, Final edits to Table 0 from BTI review.
1	4.0.0	2011-12-27	Adopted by the Bluetooth SIG Board of Directors
	4.0.1r0	2012-02-08	TSE TSE 3586: Corrections and additions to Table 1
2	4.0.1	2012-03-30	Prepare for publication.
	4.1.0r01	2013-11-11	Updated revision to 4.1.0 Updated top sheet to include version 4.1
3	4.1.0	2013-12-03	Prepare for Publication
	4.2.0r00	2014-11-24	Revved version to align with Core 4.2 release. Editorial clean-up.
4	4.2.0	2014-12-03	Prepare for TCRL 14-2 Publication
	5.0.0r00	2016-11-08	Revision updated for Core Specification 5.0 release
	5.0.0r01	2016-11-08	Updated Template. Removed unnecessary parentheses.
5	5.0.0	2016-12-13	Approved by BTI. Prepared for TCRL 2016-2 publication.
	5.0.1r00	2018-09-20	Added deprecation and withdrawal information for CSA2
	5.1.0	2018-11-13	Updated revision number from 5.0.1 to 5.1.0 to align with the adoption of Core Specification version 5.1
6	5.1.0	2018-12-07	Approved by BTI. Prepared for TCRL 2018-2 publication.
	p7r00	2019-11-27	Updated document naming convention and template items, moving Revision History and Contributors tables to the bottom of the document, updating Disclaimer text and Confidentiality markings to align with latest Documentation Marking Requirements, and making minor editorial fixes.
7	p7	2020-01-07	Approved by BTI on 2019-12-22. Prepared for TCRL 2019-2 publication.

Publication Number	Revision Number	Date	Comments
	p8r00	2022-11-08	TSE 20660 (rating 1): Updated document to the latest ICS conventions. Aligned the disclaimer with v2 of the DNMD and updated the logo in the footer (no tracked changes).
8	p8	2023-02-07	Approved by BTI on 2022-12-28. Prepared for TCRL 2022-2 publication.
	p9r00	2023-09-12	TSE 24026 (rating 1): Removed the prerequisite from Table 0 to remove SUM.ICS. Updated the layer abbreviation in the title and file name to align with the latest conventions.
9	p9	2024-07-01	Approved by BTI on 2024-05-22. Prepared for TCRL 2024-1 publication.

### ***Acknowledgments***

Name	Company
Alicia Courtney	Broadcom Ltd