

RF PHY

Bluetooth® Implementation Conformance Statement (ICS) Proforma

- **Revision:** RF-PHY.ICS.5.0.0
- **Revision Date:** 2016-12-13
- **Group Prepared By:** BTI
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Revision History

Revision Number	Date	Comments
0.5d1	2007-06-12	Initial ULP RF-PHY ICS Draft
0.5d2	2007-10-22	First revision including device category mapping
0.5d3	2007-10-30	Second revision for BTI review, minor editorial changes
0.7d1	2008-09-23	Updated to be in synch with the RF PHY TS version 0.7d2. Name update from ULP to LE
0.7d2	2008-09-29	Minor editorial adjustments related to name transition
0.9d1	2009-01-13	Reference to test interface used for IUT RF PHY test added
0.9d2	2009-01-14	Edit by Magnus Sommansson: Inclusion of Table 2; Test interface capabilities. Editorial adjustment of references.
0.9d3	2009-04-02	Updated references, version submitted to BTI
1.0d1	2009-10-30	Updated references
1.0d2	2009-11-12	Editorial review
1.0d3	2009-11-20	Capability statement made independent of profile roles (Controller spec scheduled for December 2009 adoption does not contain profile role definitions) Updated references
10d4	2009-12-08	Updated references in table 2
4.0.0	2009-12-15	Prepare for publication
4.1.0r01	2013-11-11	Updated revision to 4.1.0 Updated top sheet to include version 4.1
4.1.0	2013-12-03	Prepare for Publication
4.2.0r00	2014-11-17	Revved version to align with Core Specification Version 4.2 Release.
4.2.0r01	2014-11-24	Review by Alicia
4.2.0	2014-12-04	Prepare for TCRL 2014-2 publication
5.0.0r00	2016-06-01	Integrated changes for Core Specification 5.0 release



Revision Number	Date	Comments
5.0.0r01	2016-09-01	Issue 7534: Updated “TBD” reference in Table 1. Issue 7550: Added new reference and conditionals C.3 and C.4 to Table 1. Added new reference for Bluetooth Core Specification 5.0.
5.0.0r01	2016-11-14	Updated to current template. Removed unnecessary parentheses and replaced with quotation marks.
5.0.0	2016-12-13	Approved by BTI. Prepared for TCRL 2016-2 publication.

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1 Identification of the Implementation

Identification of the Implementation Under Test (IUT) shall 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 shall be named in Appendix A of the Declaration of Compliance: Summary of Selected Specifications in Implementation.

1.1 Implementation Under Test (IUT) Identification

IUT Name:

IUT Version (Hardware/Software ID):

IUT Supplier:

1.2 Capability Statement

Table 1: Bluetooth LE RF Capabilities

Item	Capability	Reference	Status	Support
1	LE Transmitter (Non-connectable, Broadcaster)	[2] 3	C.1	<input type="radio"/> Yes <input type="radio"/> No
2	LE Receiver (Non-connectable, Observer)	[2] 4	C.1	<input type="radio"/> Yes <input type="radio"/> No
3	LE Transceiver (Connectable, Peripheral/Central)	[2] 3, 4	C.1	<input type="radio"/> Yes <input type="radio"/> No
4	LE 2M PHY	[6] 3, 4	C.2	<input type="radio"/> Yes <input type="radio"/> No
5	Stable Modulation Index - Transmitter	[6] 3.1.1	C.3	<input type="radio"/> Yes <input type="radio"/> No
6	Stable Modulation Index - Receiver	[6] 3.1.1	C.4	<input type="radio"/> Yes <input type="radio"/> No
7	LE Coded PHY	[6] 3, 4	C.2	<input type="radio"/> Yes <input type="radio"/> No

C.1: Mandatory to support at least one of these capabilities.

C.2: Optional IF SUM ICS 21/16 “Core 5.0” AND RF PHY 1/3 “LE Transceiver” are supported, otherwise Excluded.

C.3: Optional IF SUM ICS 21/16 “Core 5.0” AND (RF PHY 1/1 “LE Transmitter” OR RF PHY 1/3 “LE Transceiver”) are supported, otherwise Excluded.

C.4: Optional IF SUM ICS 21/16 “Core 5.0” AND (RF PHY 1/2 “LE Receiver” OR RF PHY 1/3 “LE Transceiver”) are supported, otherwise Excluded.

1.3 Test Interface Implementation Characteristics

Table 2: Bluetooth LE Test Interface Capabilities

Item	Capability	Reference	Status	Support
1	HCI Test Interface	[3] 2	C.1	<input type="radio"/> Yes <input type="radio"/> No
2	UART Test Interface	[3] 3	C.1	<input type="radio"/> Yes <input type="radio"/> No

C.1: Mandatory to support at least one of these capabilities.

2 References

- [1] Specification of the Bluetooth System, Error Codes, Volume 2, Part E, Version 4.0 or later
- [2] Specification of the Bluetooth System, Physical Layer Specification (PHY) Volume 6, Part A, Version 4.0 or later
- [3] Specification of the Bluetooth System, Direct Test Mode, Volume 6, Part F, Version 4.0 or later
- [4] ICS Proforma for Radio (RF) System Specification
- [5] Summary ICS
- [6] Specification of the Bluetooth System, Physical Layer Specification (PHY) Volume 6, Part A, Version 5.0 or later