

Radio Frequency (RF)

Bluetooth® Implementation Conformance Statement (ICS) Proforma

- **Revision:** RF.ICS.p20 edition 2
- **Revision Date:** 2022-08-23
- **Prepared By:** BTI



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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

Table 1: RF Capabilities

Item	Capability	Reference	Status
1	Power Class 1	[1] 3	C.5
2	Power Class 2	[1] 3	C.5
3	Power Class 3	[1] 3	C.5
4	Power Control	[1] 3	C.1
5	1-slot packets supported	[2] 6.5	M
6	3-slot packets supported	[2] 6.5	O
7	5-slot packets supported	[2] 6.5	O
8	79 Channels	[1] 2	M
9	Support for GFSK modulation	[1] 3.1	M
10	Support for p/4-DQPSK modulation	[1] 3.2	C.2
11	Support for 8DPSK modulation	[1] 3.2	C.3
12	Enhanced Power Control	[1] 3	C.4

- C.1: Mandatory IF RF 1/1 “Power Class 1”, otherwise Optional IF RF 1/2 “Power Class 2” OR RF 1/3 “Power Class 3”, otherwise Excluded.
- C.2: Mandatory IF SUM ICS 22/1 “EDR for asynchronous transports (single slot)” OR SUM ICS 22/2 “EDR for asynchronous transports (multi-slot)” OR SUM ICS 22/4 “EDR for synchronous transports (Core 3.0 or later)”, otherwise Excluded.
- C.3: Mandatory IF SUM ICS 22/1 “EDR for asynchronous transports (single slot)” OR SUM ICS 22/2 “EDR for asynchronous transports (multi-slot)”, otherwise Optional IF SUM ICS 22/4 “EDR for synchronous transports (Core 3.0 or later)”, otherwise Excluded.
- C.4: Optional IF RF 1/4 “Power Control”, otherwise Excluded.
- C.5: Mandatory to support at least one of RF 1/1 “Power Class 1” OR RF 1/2 “Power Class 2” OR RF 1/3 “Power Class 3”.

2 References

- [1] Specification of the Bluetooth System, Radio (RF) Volume 2, Part A
- [2] Specification of the Bluetooth System, Baseband (BB) Volume 2, Part B

3 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
	D5r3	2003-11-05	Original Release
	D10R00	2004-03-10	Re-partitioned to match Main Specification Volume/Part partitioning.
	D10R01	2004-03-11	Editorial changes
	D12r02	2004-03-25	Editorial changes. Changed reference and document numbering to D12 to reflect applicable Bluetooth version.
	1.2.1	2004-03-29	Changed document number and revision number to conform with legacy system. Added Disclaimer and Copyright Notice.
	1.2.1r01	2004-10-06	Added EDR material.
	2.0.E.0 Draft	2004-10-22	Updated to reflect latest Conformance Requirements.
10	2.0.E.0	2004-11-04	First version for 1.2/2.0/2.0 + EDR available for qualification
	2.1.E.0r0	2006-12-13	Editorial updates; changes to Conditional Statements to accommodate the introduction of the 2.1 and 2.1+EDR Specification.
	2.1.E.0r1	2006-12-26	Editorial changes.
11	2.1.E.0	2006-12-29	Prepare for publication.
	2.1.E.1r0	2009-02-12	Add new item for enhanced power control feature
	2.1.E.1r1	2009-03-25	Added EDR constraint to the C.2, C.3 conditionals, and fixed the (on C.3
12	3.0.H.0	2009-04-21	TSE 2744: add two more rows for each of the power classes in Table 1. Prepare for publication.
13	3.0.H.1	2009-08-12	TSE 2938. Change Table 1 footnote C.4 from 1/2 to 1/4
	4.0.2r0	2010-12-12	TSE 4064: Table 1, Footnote C.2 and C.3
14	4.0.2	2011-07-18	Prepare for publication.
	4.1.0r01	2013-11-11	Updated revision to 4.1.0 Updated top sheet to include version 4.1
15	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 Minor editorial changes
16	4.2.0	2014-12-04	Corrected conditional in 1/4 to C.1. Prepared for TCRL 2014-2 publication

Publication Number	Revision Number	Date	Comments
	4.2.1r00	2015-10-14	TSE 6650: Updated conditionals in Table 1 to reflect omitted changes from TSE 4597. Additional editorial changes made to bring document in line with current conventions. TSE 6506: Reworded C.5 of Table 1 to allow support for more than one power class.
17	4.2.1	2015-12-22	Prepared for TCRL 2015-2 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.
18	5.0.0	2016-12-13	Approved by BTI. Prepared for TCRL 2016-2 publication.
	5.1.0r00	2018-11-13	Updated revision number to 5.1.0 to align with the adoption of Core Specification version 5.1
19	5.1.0	2018-12-07	Approved by BTI. Prepared for TCRL 2018-2 publication.
	p20r00	2019-11-12	Revised document numbering convention, setting last release publication of 5.1.0 as p19; added Publication Number column to Revision History. Moved Revision History and Contributors tables to end of doc. Updated Documentation Disclaimer and Confidentiality Markers to align with updated Documentation Marking Requirements. Made minor editorial changes.
20	p20	2020-01-07	Approved by BTI on 2019-12-22. Prepared for TCRL 2019-2 publication.
	p20ed2r00	2022-07-19	TSE 19146 (rating 1): Updated to align with current ICS conventions/template. Removed Support and Values Allowed/Supported columns. Removed deprecated SUM ICS references in C.2–C.4.
	p20 edition 2	2022-08-23	Approved by BTI on 2022-08-22. Prepared for edition 2 publication.

Acknowledgments

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Totti Huang	SGS