

Bluetooth Network Encapsulation Protocol (BNEP)

Bluetooth® Implementation Conformance Statement (ICS) Proforma

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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 Appendix A of the Declaration of Compliance: Summary of Selected Specifications in Implementation.

1.2 Bluetooth Network Encapsulation Protocol

This sub-section contains the ICS proforma table related to the Bluetooth Network Encapsulation Protocol (BNEP) layer that is used within the Bluetooth PAN profile.

1.2.1 Bluetooth Network Encapsulation Protocol Features

Table 1a: Bluetooth Network Encapsulation Features

Item	Capability	Reference	Status
1	BNEP Connection Setup	[1] 2.6.3, 2.6.2	M
2	BNEP Data Packet Reception	[2] 2.5, 2.7–2.9	M
3	BNEP General Ethernet Data Packet Transmission	[2] 2.5	C.1
3a	BNEP Compressed Packet Transmission	[2] 2.7	C.1
3b	BNEP Compressed Packet Transmission Source Only	[2] 2.8	O
3c	BNEP Compressed Packet Transmission Destination Only	[2] 2.9	O
4	BNEP Control Message Processing	[2] 2.6	M
5	BNEP Extension Header Processing	[2] 3.1–3.3; 2.6.2; 2.6.3	M
6	Network Protocol Filter Message Transmission	[2] 2.6.4; 2.6.5	O
7	Multicast Address Filter Message Transmission	[2] 2.6.4; 2.6.6	O

C.1: Mandatory to support at least one of BNEP 1a/3 “BNEP General Ethernet Data Packet Transmission” OR BNEP 1a/3a “BNEP Compressed Packet Transmission” IF BNEP 1a/7 “Multicast Address Filter Message Transmission” is supported, otherwise Optional.

2 References

- [1] Personal Area Networking (PAN) Profile Specification
- [2] Bluetooth Network Encapsulation Protocol (BNEP) Specification

3 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
	0.0	2000-04-04	Original Document Started
	0.9	2001-02-06	Separated ICS and Test Case from the PAN Profile document into two separate documents
	1.0	2002-07-23	Errata and feedback incorporated. Interoperability testing completed
	1.0c	2002-11-13	Transferred information contained in test case matrix, and added a separate section and ICS table for BNEP; updated references.
0	1.0	2003-02-14	ICS Adopted
	1.0.1r1	2005-02-11	Editorial and format changes. Change document numbering.
1	1.0.1	2005-02-18	Prepare for publication.
	1.0.2r0	2005-09-29	TSE 823: Tables 2&3 to optionally support > 1 PANU
2	1.0.2	2005-10-12	Prepare for publication.
	1.0.3r0-2	2006-11-16- 2007-01-08	TSE 1796: Table 2: Add 2 rows 6a and 6b, and footnote C4 for 6b. TSE 1894: Changes Tables 2, 3, and 4 to show LLMNR Sender and Responder support for IPv4 for IPv6 Changed adopted spec version from 1.1 to 1.0 Removed redundant reference section (MS)
3	1.0.3	2007-01-08	Prepare for publication.
	1.0.4r0	2008-02-01	TSE 2159: Table 3, 4, 5: Support for LLMNR Sender conditional
4	1.0.4	2008-04-01	Prepare for publication.
5	1.0.4a	2008-07-01	TSE 2632: Removed table number from first table introduced in v1.0.3
	1.0.5r0-1	2008-09-01 – 2008-12-01	TSE 2637; Table 2/9a, 14a: change footnotes, re-implement TSE 2632 with correct table numbering.
6	1.0.5	2008-12-01	Prepare for publication.
	1.0.6r0-1	2009-04-29 – 2009-06-04	TSE 2722: Clarification to TSE 2159 Tables 2, 3, 4 Correction to Table 4, C.2
7	1.0.6	2009-08-10	Prepare for publication.
	1.0.7r0	2011-11-10	TSE 4473: Table 1a; Add rows 3a, 3b TSE 4519: Table 2/8: modify, Table 3/6: remove
8	1.0.7	2012-03-30	Prepare for publication.
	1.0.8r01	2015-01-26	Update to current ICS template and conventions. TSE 6196: Add pre-requisites to tables.
	1.0.8r02	2015-06-01	Updated terminology from “PICS” to “ICS”
9	1.0.8	2015-07-14	Prepared for TCRL 2015-1 publication

Publication Number	Revision Number	Date	Comments
	1.0.9r00	2015-10-05	TSE 6489: Added new item 1a/3c (BNEP Compressed Packet Transmission Destination Only); updated conditionals for items 1/3 and 1/3a.
10	1.0.9	2015-12-22	Prepared for TCRL 2015-2 publication.
	1.0.10r00	2018-04-04	TSE 10573 (rating 1): Template Conversion.
11	1.0.10	2018-07-01	Approved by BTI. Prepared for TCRL 2018-1 publication.
	1.0.11r00	2018-10-03	TSE 10899 (rating 4): ICS: Revised Capability for Items 2/9, 2/14, 4/5, and 4/10. Deleted Items 3/7 and 3/12.
12	1.0.11	2018-11-21	Approved by BTI. Prepared for TCRL 2018-2 publication.
	1.0.12r00	2019-09-16	TSE 4382 (rating 2): Updated items in Tables 2, 3, and 4 to reflect that LLMNR is only an informational RFC. Updated template and copyright/legal info.
13	1.0.12	2020-01-07	Approved by BTI on 2019-11-17. Prepared for TCRL 2019-2 publication.
	p14r00-r01	2021-08-10 – 2021-12-03	TSE 17012 (rating 1): Split the BNEP ICS (Table 1a) from the PAN ICS into a separate document. Incorporated consistency checker editorials. Performed template-related fixes. Updated copyright page to align with v2 of the DNMD.
14	p14	2022-01-25	Approved by BTI on 2021-12-19. Prepared for TCRL 2021-2 publication.

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