

Public Broadcast Profile (PBP)

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

1.2 Roles

Table 1: Role Requirements

Item	Role	Reference	Status
1	Public Broadcast Source	[1] 2.1	C.1
2	Public Broadcast Sink	[1] 2.1	C.1
3	Public Broadcast Assistant	[1] 2.1	C.1

C.1: Mandatory to support at least one.

1.3 Transports

Table 2: Transport Requirements

Item	Transport	Reference	Status
1	Profile supported over BR/EDR	[1] 2.3 [4] 2.4	C.1
2	Profile supported over LE	[1] 2.3 [4] 2.4	M

C.1: Excluded for this Profile.

1.4 Public Broadcast Source Role

Table 3: X.Y Versions

Prerequisite: PBP 1/1 "Public Broadcast Source"

Item	Version	Reference	Status
1	PBP v1.0	[1]	M

Table 4: X.Y.Z Versions

Prerequisite: PBP 1/1 "Public Broadcast Source"

Item	Version	Reference	Status
1	PBP v1.0.1	[4]	O

1.4.1 Public Broadcast Source Role Features

Table 5: Public Broadcast Source Role – Support Requirements

Prerequisite: PBP 1/1 “Public Broadcast Source”

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Initiator	[1] 3.1.1 [4] 3.1	M	[3] CAP 1/2
2	BAP Broadcast Source	[1] 2.1 [4] 3.1	M	[3] CAP 16/2

Table 6: Public Broadcast Source Role – Features

Prerequisite: PBP 1/1 “Public Broadcast Source”

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Transmit Program_Info Metadata	[1] 3.1.2 [4] 3.2.2	O	N/A
2	BAP Broadcast Audio Stream Metadata Update	[1] 3.1.2 [4] 3.2.2	C.1	[2] BAP 51/1
3	Public Broadcast Announcement	[1] 4	M	N/A
4	Standard Quality Public Broadcast Audio	[1] 4.1	M	N/A
5	High Quality Public Broadcast Audio	[1] 4.2	O	N/A
6	Encrypted Broadcast Isochronous Stream	[1] 4	C.2	[2] BAP 61/6
7	Unencrypted Broadcast Isochronous Stream	[1] 4	C.2	[2] BAP 61/5
8	Broadcast Name AD Type	[1] 5	M	N/A

C.1: Mandatory IF PBP 6/1 “Transmit Program_Info Metadata”, otherwise not defined.

C.2: Mandatory to support at least one.

Table 7: Standard Quality Public Broadcast Audio Configuration Support Requirements

Prerequisite: PBP 6/4 “Standard Quality Public Broadcast Audio”

Item	Settings	Reference	Status	Inter-Layer Dependency
Low Latency				
1	16_2_1 LC3: 10000 SDU Interval, unframed, 40 Max SDU Size, 2 RTN, 10 Max_Transport_Latency	[1] 4.2	M	[2] BAP 55/4
2	24_2_1 LC3: 10000 SDU Interval, unframed, 60 Max SDU Size, 2 RTN, 10 Max_Transport_Latency	[1] 4.2	O	[2] BAP 55/6

Item	Settings	Reference	Status	Inter-Layer Dependency
High Reliability				
3	16_2_2 LC3: 10000 SDU Interval, unframed, 40 Max SDU Size, 4 RTN, 60 Max_Transport_Latency	[1] 4.2	M	[2] BAP 56/4
4	24_2_2 LC3: 10000 SDU Interval, unframed, 60 Max SDU Size, 4 RTN, 60 Max_Transport_Latency	[1] 4.2	O	[2] BAP 56/6

Table 8: High Quality Public Broadcast Audio Configuration Support Requirements*Prerequisite: PBP 6/5 "High Quality Public Broadcast Audio"*

Item	Settings	Reference	Status	Inter-Layer Dependency
Low Latency				
1	48_1_1 LC3: 7500 SDU Interval, unframed, 75 Max SDU Size, 4 RTN, 15 Max_Transport_Latency	[1] 4.3	C.1	[2] BAP 55/11
2	48_2_1 LC3: 10000 SDU Interval, unframed, 100 Max SDU Size, 4 RTN, 20 Max_Transport_Latency	[1] 4.3	C.1	[2] BAP 55/12
3	48_3_1 LC3: 7500 SDU Interval, unframed, 90 Max SDU Size, 4 RTN, 15 Max_Transport_Latency	[1] 4.3	C.1	[2] BAP 55/13
4	48_4_1 LC3: 10000 SDU Interval, unframed, 120 Max SDU Size, 4 RTN, 20 Max_Transport_Latency	[1] 4.3	C.1	[2] BAP 55/14
5	48_5_1 LC3: 7500 SDU Interval, unframed, 117 Max SDU Size, 4 RTN, 15 Max_Transport_Latency	[1] 4.3	C.1	[2] BAP 55/15
6	48_6_1 LC3: 10000 SDU Interval, unframed, 155 Max SDU Size, 4 RTN, 20 Max_Transport_Latency	[1] 4.3	C.1	[2] BAP 55/16
High Reliability				
7	48_1_2 LC3: 7500 SDU Interval, unframed, 75 Max SDU Size, 4 RTN, 50 Max_Transport_Latency	[1] 4.3	C.1	[2] BAP 56/11
8	48_2_2 LC3: 10000 SDU Interval, unframed, 100 Max SDU Size, 4 RTN, 65 Max_Transport_Latency	[1] 4.3	C.1	[2] BAP 56/12
9	48_3_2 LC3: 7500 SDU Interval, unframed, 90 Max SDU Size, 4 RTN, 50 Max_Transport_Latency	[1] 4.3	C.1	[2] BAP 56/13
10	48_4_2 LC3: 10000 SDU Interval, unframed, 120 Max SDU Size, 4 RTN, 65 Max_Transport_Latency	[1] 4.3	C.1	[2] BAP 56/14

Item	Settings	Reference	Status	Inter-Layer Dependency
11	48_5_2 LC3: 7500 SDU Interval, unframed, 117 Max SDU Size, 4 RTN, 50 Max_Transport_Latency	[1] 4.3	C.1	[2] BAP 56/15
12	48_6_2 LC3: 10000 SDU Interval, unframed, 155 Max SDU Size, 4 RTN, 65 Max_Transport_Latency	[1] 4.3	C.1	[2] BAP 56/16

C.1: Mandatory to support at least one.

1.5 Public Broadcast Sink Role

Table 9: X.Y Versions

Prerequisite: PBP 1/2 “Public Broadcast Sink”

Item	Version	Reference	Status
1	PBP v1.0	[1]	M

Table 10: X.Y.Z Versions

Prerequisite: PBP 1/2 “Public Broadcast Sink”

Item	Version	Reference	Status
1	PBP v1.0.1	[4]	O

1.5.1 Public Broadcast Sink Role Features

Table 11: Public Broadcast Sink Role – Support Requirements

Prerequisite: PBP 1/2 “Public Broadcast Sink”

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Acceptor	[1] 3.2.1 [4] 3.1	M	[3] CAP 1/1
2	BAP Broadcast Sink	[1] 3.2.1 [4] 3.1	M	[3] CAP 6/3

Table 12: Public Broadcast Sink Role – Features

Prerequisite: PBP 1/2 “Public Broadcast Sink”

Item	Capability	Reference	Status
1	Standard Quality Public Broadcast Audio	[1] 4.1	M
2	High Quality Public Broadcast Audio	[1] 4.2	O

Table 13: Standard Quality Public Broadcast Audio configuration support requirements*Prerequisite: PBP 12/1 "Standard Quality Public Broadcast Audio"*

Item	Settings	Reference	Status	Inter-Layer Dependency
Low Latency				
1	16_2_1 LC3: 10000 SDU Interval, unframed, 40 Max SDU Size, 2 RTN, 10 Max_Transport_Latency	[1] 4.2	M	[2] BAP 69/4
2	24_2_1 LC3: 10000 SDU Interval, unframed, 60 Max SDU Size, 2 RTN, 10 Max_Transport_Latency	[1] 4.2	M	[2] BAP 69/6
High Reliability				
3	16_2_2 LC3: 10000 SDU Interval, unframed, 40 Max SDU Size, 4 RTN, 60 Max_Transport_Latency	[1] 4.2	M	[2] BAP 70/4
4	24_2_2 LC3: 10000 SDU Interval, unframed, 60 Max SDU Size, 4 RTN, 60 Max_Transport_Latency	[1] 4.2	M	[2] BAP 70/6

Table 14: High Quality Public Broadcast Audio Configuration Support Requirements*Prerequisite: PBP 12/2 "High Quality Public Broadcast Audio"*

Item	Settings	Reference	Status	Inter-Layer Dependency
Low Latency				
1	48_1_1 LC3: 7500 SDU Interval, unframed, 75 Max SDU Size, 4 RTN, 15 Max_Transport_Latency	[1] 4.3	C.1	[2] BAP 69/11
2	48_2_1 LC3: 10000 SDU Interval, unframed, 100 Max SDU Size, 4 RTN, 20 Max_Transport_Latency	[1] 4.3	C.1	[2] BAP 69/12
3	48_3_1 LC3: 7500 SDU Interval, unframed, 90 Max SDU Size, 4 RTN, 15 Max_Transport_Latency	[1] 4.3	C.1	[2] BAP 69/13
4	48_4_1 LC3: 10000 SDU Interval, unframed, 120 Max SDU Size, 4 RTN, 20 Max_Transport_Latency	[1] 4.3	C.1	[2] BAP 69/14
5	48_5_1 LC3: 7500 SDU Interval, unframed, 117 Max SDU Size, 4 RTN, 15 Max_Transport_Latency	[1] 4.3	C.1	[2] BAP 69/15
6	48_6_1 LC3: 10000 SDU Interval, unframed, 155 Max SDU Size, 4 RTN, 20 Max_Transport_Latency	[1] 4.3	C.1	[2] BAP 69/16

Item	Settings	Reference	Status	Inter-Layer Dependency
High Reliability				
7	48_1_2 LC3: 7500 SDU Interval, unframed, 75 Max SDU Size, 4 RTN, 50 Max_Transport_Latency	[1] 4.3	C.1	[2] BAP 70/11
8	48_2_2 LC3: 10000 SDU Interval, unframed, 100 Max SDU Size, 4 RTN, 65 Max_Transport_Latency	[1] 4.3	C.1	[2] BAP 70/12
9	48_3_2 LC3: 7500 SDU Interval, unframed, 90 Max SDU Size, 4 RTN, 50 Max_Transport_Latency	[1] 4.3	C.1	[2] BAP 70/13
10	48_4_2 LC3: 10000 SDU Interval, unframed, 120 Max SDU Size, 4 RTN, 65 Max_Transport_Latency	[1] 4.3	C.1	[2] BAP 70/14
11	48_5_2 LC3: 7500 SDU Interval, unframed, 117 Max SDU Size, 4 RTN, 50 Max_Transport_Latency	[1] 4.3	C.1	[2] BAP 70/15
12	48_6_2 LC3: 10000 SDU Interval, unframed, 155 Max SDU Size, 4 RTN, 65 Max_Transport_Latency	[1] 4.3	C.1	[2] BAP 70/16

C.1: Mandatory to support at least one.

1.6 Public Broadcast Assistant Role

Table 15: X.Y Versions

Prerequisite: PBP 1/3 “Public Broadcast Assistant”

Item	Version	Reference	Status
1	PBP v1.0	[1]	M

Table 16: X.Y.Z Versions

Prerequisite: PBP 1/3 “Public Broadcast Assistant”

Item	Version	Reference	Status
1	PBP v1.0.1	[4]	O

1.6.1 Public Broadcast Assistant Role Features

Table 17: Public Broadcast Assistant Role – Support Requirements

Prerequisite: PBP 1/3 “Public Broadcast Assistant”

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Commander	[1] 3.3.1 [4] 3.1	M	[3] CAP 1/3
2	BAP Broadcast Assistant	[1] 3.3.1 [4] 3.1	M	[3] CAP 26/2

2 References

- [1] Public Broadcast Profile Specification, Version 1.0 or later
- [2] ICS Proforma for Basic Audio Profile (BAP)
- [3] ICS Proforma for Common Audio Profile (CAP)
- [4] Public Broadcast Profile Specification, Version 1.0.1

3 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
0	p0	2022-07-12	Approved by BTI on 2022-07-03. PBP v1.0 adopted by the BoD on 2022-07-05. Prepared for initial publication.
	p1r00–r01	2024-08-13 – 2024-08-26	TSE 25246 (rating 1): Per E24733, updated the references cited in Tables 2, 5, 6, 11, and 17. Updated the references list to add PBP v1.0.1. TSE 25564 (rating 1): Per E23389, E23860, and E24733, added Tables 4, 10, and 16 to account for PBP v1.0.1 as part of the .Z release. Updated the references list. Made editorial updates to align the document with the latest ICS template. Updated the copyright year.
1	p1	2024-10-08	Approved by BTI on 2024-09-11. PBP v1.0.1 adopted by the BoD on 2024-10-01. Prepared for TCRL 2024-2-addition publication.

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