

Broadcast Audio Scan Service (BASS)

Bluetooth® Implementation Conformance Statement (ICS) Proforma

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1 General principles

1.1 Implementation Under Test (IUT) identification

Using the Bluetooth SIG qualification tool, the implementer is expected to declare details about what will be implemented.

1.2 Enforcement of inter-layer dependencies

This ICS includes one or more tables with inter-layer dependencies (ILDs). ILDs are used for specification requirements that are dependent on other supporting specifications. ILDs can refer to an individual ICS item in a separate layer (individual ILD), or it can refer to the full layer (full-layer ILD).

ILDs residing in an X2Core layer will be enforced from the Bluetooth SIG qualification tool in the following conditions, depending on where the referred ILD is residing:

Referred ILD resides in	Individual ILD	Full-layer ILD
Controller layer	Core-Complete configuration, or Referred layer is supported	N/A
Lower HCI layer	HCI is supported	N/A
Upper HCI layer	Core-Host configuration, or UHCI is supported	N/A
Host layer	Core-Host configuration, or Core-Complete configuration, or Referred layer is supported	N/A
X2Core layer	Core-Host configuration, or Core-Complete configuration, or Referred layer is supported	Core-Host configuration, or Core-Complete configuration

Table 1.1: Enforcement of an ILD within the Bluetooth SIG qualification tool

2 ICS declarations

2.1 Versions

Table 0: X.Y Versions

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

Table 1: X.Y.Z Versions

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

2.2 Transports

Table 2: Transport Requirements

Item	Transport	Reference	Status
1	Service supported over BR/EDR	[1] 1.5	C.1, C.3
2	Service supported over LE	[1] 1.5	C.2, C.3

- C.1: Excluded for this Service IF CORE 41/2 "LE Core Configuration" OR CORE 40/1 "Core-Controller".
- C.2: Excluded for this Service IF CORE 41/1 "BR/EDR Core Configuration" OR CORE 40/1 "Core-Controller".
- C.3: Mandatory to support at least one.

2.3 Service requirements

2.3.1 Broadcast Audio Scan Service

Table 3: Broadcast Audio Scan Service

Item	Feature	Reference	Status	Inter-Layer Dependency
1	Broadcast Audio Scan Control Point Characteristic	[1] 3.1	M	N/A
2	Broadcast Receive State Characteristic	[1] 3.2	M	N/A
2a	Broadcast Receive State characteristic: Bad_Code 0xFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF	[1] 3.1.1.4, 3.1.1.5, 3.2, 3.2.1.8	C.1	N/A
3	Periodic Advertising Synchronization Transfer procedure	[1] 3.1.1.4	O	[2] GAP 27a/1
4	Broadcast Isochronous Synchronization Establishment procedure	[1] 3.1.1.4	O	[2] GAP 16/2
5	Autonomous Syncing Support	[1] 3.2.1	O	N/A

- C.1: Optional IF BASS 0/1 "BASS v1.0" AND NOT BASS 1/1 "BASS v1.0.1", otherwise Mandatory.



Table 4: Broadcast Audio Scan Control Point

Item	Feature	Reference	Status
1	Remote Scan Stopped	[1] 3.1.1.2	C.1
2	Remote Scan Started	[1] 3.1.1.3	C.1
3	Add Source	[1] 3.1.1.4	C.1
4	Modify Source	[1] 3.1.1.5	C.1
5	Set Broadcast Code	[1] 3.1.1.6	M
6	Remove Source	[1] 3.1.1.7	C.1

C.1: Mandatory to support none or all.

2.4 GATT requirements

Table 5: GATT Requirements

Item	Feature	Reference	Status	Inter-Layer Dependency
1	Write Without Response	[1] 1.4	M	[3] GATT 4/12
2	Write Characteristic Value	[1] 1.4	M	[3] GATT 4/14
3	Single Notification	[1] 1.4	M	[3] GATT 4/17
4	Read Characteristic Descriptor	[1] 1.4	M	[3] GATT 4/19
5	Write Characteristic Descriptor	[1] 1.4	M	[3] GATT 4/21
6	Write Long Characteristic Value	[1] 1.4	C.1	[3] GATT 4/15
7	GATT Server over BR/EDR	[1] 1.4	C.2	[3] GATT 1a/4
8	GATT Server over LE	[1] 1.4	C.3	[3] GATT 1a/3

C.1: Mandatory IF BASS 4/3 "Add Source", otherwise not defined.

C.2: Mandatory IF BASS 2/1 "Service supported over BR/EDR", otherwise not defined.

C.3: Mandatory IF BASS 2/2 "Service supported over LE", otherwise not defined.

2.5 SDP requirements

Table 6: SDP Requirements

Prerequisite: BASS 2/1 "Service supported over BR/EDR"

Item	Feature	Reference	Status
1	SDP record present for BASS	[1] 4	M
2-4	No longer used	N/A	N/A

3 References

- [1] Broadcast Audio Scan Service (BASS), Version 1.0 or later
- [2] ICS Proforma for Generic Access Profile (GAP)
- [3] ICS Proforma for Generic Attribute Profile (GATT)
- [4] Broadcast Audio Scan Service (BASS), Version 1.0.1

4 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
0	p0	2021-09-21	Approved by BTI on 2021-08-25. Broadcast Audio Scan Service (BASS) v1.0 adopted by the BoD on 2021-09-14. Prepared for initial publication.
	p1r00–r01	2023-04-16 – 2023-05-25	TSE 22759 (rating 4): Updated the feature description for Item 5 of Table 3. Updated C.1 of Table 4. Editorials to align the document with the latest ICS template. Deleted draft revision history comments prior to p0.
1	p1	2023-06-29	Approved by BTI on 2023-06-05. Prepared for TCRL 2023-1 publication.
	p2r00	2023-08-15	TSE 23658 (rating 2): Added 5/7 and 5/8 and related conditionals C.2 and C.3. Editorials to align with the latest ICS template.
2	p2	2024-07-01	Approved by BTI on 2024-04-21. Prepared for TCRL 2024-1 publication.
	p3r00–r02	2024-08-26 – 2024-08-29	TSE 25122 (rating 3): Per E23366, added item 2a and conditional C.1 for Table 3. Incorporated consistency checker updates.
3	p3	2024-10-08	Approved by BTI on 2024-09-11. EE 23366 adopted by the BoD on 2024-10-01. Prepared for TCRL 2024-2-addition publication.
	p4r00–r02	2024-11-21 – 2024-12-12	TSE 26109 (rating 2): Added X.Y.Z version table and updated conditional C.1 for table 3.
4	p4	2025-02-18	Approved by BTI on 2025-02-09. BASS v1.0.1 adopted by the BoD on 2024-02-11. Prepared for TCRL 2025-1 publication.
	p5r00–r01	2025-04-07 – 2025-04-22	TSE 27314 (rating 1): Updated the Status value for BASS 2/1 and BASS 2/2. Added conditions C.1 and C.2 to Table 2, and renumbered C.1 as C.3.
5	p5	2025-07-08	Approved by BTI on 2025-05-30. Prepared for TCRL pkg100 publication.
	p6r00	2025-12-05 – 2026-01-05	TSE 28372 (rating 1): Updated the conditions in the transport table to make sure the layer is excluded when the design is an implementation of the Core-Controller Configuration by adding "OR CORE 40/1 "Core-Controller" to an already excluded transport based on Core Configuration support.
	p6r00–r01	2025-12-05 – 2026-01-14	TSE 28372 (rating 1): Updated the conditions in the transport table to make sure the layer is excluded when the design is an implementation of the Core-Controller Configuration by adding "OR CORE 40/1 "Core-Controller"" to an already excluded transport based on Core Configuration support.
6	p6	2026-02-17	Approved by BTI on 2026-01-26. Prepared for TCRL pkg102 publication.

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