Mesh Binary Large Object Transfer Model (MBTM)

***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	Mesh Binary Large Object Transfer Model v1.0	[1]	M

Table 1: X.Y.Z Versions

Table number reserved but not yet in use.

Table 2: No longer used

2.2 Models

Table 3: Model Requirements

Item	Model	Reference	Status
1	BLOB Transfer Server model	[1] 5	C.1
2	BLOB Transfer Client model	[1] 6	C.1

C.1: Mandatory to support at least one.

2.3 BLOB Transfer Server Model

2.3.1 Features

Table 10: BLOB Transfer Server Model, Features

Prerequisite: MBTM 3/1 "BLOB Transfer Server model"

Item	Capability	Reference	Status
1	Pull BLOB Transfer Mode	[1] 5.2.4	C.1
2	Push BLOB Transfer Mode	[1] 5.2.5	C.1

C.1: Mandatory to support at least one.

2.4 BLOB Transfer Client Model

2.4.1 Features

Table 20: BLOB Transfer Client Model, Features

Prerequisite: MBTM 3/2 "BLOB Transfer Client model"

Item	Capability	Reference	Status
1	Pull BLOB Transfer Mode	[1] 6.2.4	M
2	Push BLOB Transfer Mode	[1] 6.2.4	M

2.5 MESH requirements

Table 100: MESH Requirements

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Node	[1] 1	M	[2] MESH 2/1

3 References

[1] Mesh Binary Large Object Transfer Model Specification, Version 1.0 or later

[2] ICS Proforma for Mesh Protocol (MESH)

4 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
0	p0	2023-09-19	Approved by BTI on 2023-08-27. MBT v1.0 adopted by the BoD on 2023-09-12. Prepared for initial publication.
	p1r00	2024-03-28	TSE 25134 (rating 1): Updated all instances of “MBT” to “MBTM” to reflect that the Mesh Device Firmware Update spec is a model spec.
1	p1	2024-07-01	Approved by BTI on 2024-04-18. Prepared for TCRL 2024-1 publication.
	p2r00–r01	2026-07-09 – 2026-09-30	TSE 29178 (rating 2): Added ILD to Mesh (Node Role) to MBTM ICS. Incorporated editorials to align with the current ICS template: added the boilerplate Enforcement of ILDs text to Section 1.
2	p2	2026-11-03	Approved by BTI on 2026-10-06. Prepared for TCRL pkg105 publication.

Acknowledgments

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