

Mesh Device Firmware Update Model (DFU)

Bluetooth® Implementation Conformance Statement (ICS) Proforma

- **Revision:** DFU.ICS.p0
- **Revision Date:** 2023-09-19
- **Prepared By:** Mesh Working Group
- **Published during TCRL:** TCRL.2023-1-addition



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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 Versions

Table 0: X.Y Versions

Item	Version	Reference	Status
1	Mesh Device Firmware Update Model v1.0	[1]	M

Table 1: X.Y.Z Versions

Table number reserved but not yet in use.

Table 2: No longer used

1.3 Models

Table 3: Model Requirements

Item	Model	Reference	Status
1	Firmware Update Server model	[1] 6.1	O
2	Firmware Distribution Server model	[1] 6.2	C.1
3	Firmware Update Client model	[1] 6.3	O
4	Firmware Distribution Client model	[1] 6.4	C.1

C.1: Optional IF DFU 3/3 "Firmware Update Client model", otherwise Excluded.

1.4 Firmware Update Server Model

Table 10: Firmware Update Server Model Dependencies

Prerequisite: DFU 3/1 "Firmware Update Server model"

Item	Model	Reference	Status	Inter-Layer Dependency
1	BLOB Transfer Server model	[1] 2.1.1	M	[2] MBT 3/1

Table 11: BLOB Transfer Server Model Requirements

Prerequisite: DFU 10/1 "BLOB Transfer Server model"

Item	Model	Reference	Status	Inter-Layer Dependency
1	Pull BLOB Transfer Mode	[1] 2.1.1	C.1	[2] MBT 10/1
2	Push BLOB Transfer Mode	[1] 2.1.1	C.2	[2] MBT 10/2

C.1: Mandatory IF MESH 7/4 "Low Power Feature", otherwise not defined.

C.2: Mandatory IF NOT MESH 7/4 "Low Power Feature", otherwise not defined.

1.5 Firmware Distribution Server Model

Table 20: Firmware Distribution Server Model Dependencies

Prerequisite: DFU 3/2 "Firmware Distribution Server model"

Item	Model	Reference	Status	Inter-Layer Dependency
1	BLOB Transfer Server model	[1] 2.1.1	M	[2] MBT 3/1

Table 21: BLOB Transfer Server Model Requirements

Prerequisite: DFU 20/1 "BLOB Transfer Server model"

Item	Model	Reference	Status	Inter-Layer Dependency
1	Pull BLOB Transfer Mode	[1] 2.1.1	C.1	[2] MBT 10/1
2	Push BLOB Transfer Mode	[1] 2.1.1	C.2	[2] MBT 10/2

C.1: Mandatory IF MESH 7/4 "Low Power Feature", otherwise not defined.

C.2: Mandatory IF NOT MESH 7/4 "Low Power Feature", otherwise not defined.

Table 22: Firmware Distribution Server Model Requirements

Prerequisite: DFU 3/2 "Firmware Distribution Server model"

Item	Model	Reference	Status
1	Store Firmware OOB procedure	[1] 6.2.2.3	C.1
2	Firmware Retrieval Over HTTPS procedure	[1] 3.3	C.1
3	Multiple Firmware Image Support	[1] 4.3.2.2	O

C.1: Mandatory to support at least one.

1.6 Firmware Update Client Model

Table 30: Firmware Update Client Model Dependencies

Prerequisite: DFU 3/3 "Firmware Update Client model"

Item	Model	Reference	Status	Inter-Layer Dependency
1	BLOB Transfer Client model	[1] 2.1.1	M	[2] MBT 3/2

1.7 Firmware Distribution Client Model

Table 40: Firmware Distribution Client Model Dependencies

Prerequisite: DFU 3/4 "Firmware Distribution Client model"

Item	Model	Reference	Status	Inter-Layer Dependency
1	BLOB Transfer Client model	[1] 2.1.1	M	[2] MBT 3/2

Table 41: Firmware Distribution Client Model Features

Prerequisite: DFU 3/4 "Firmware Distribution Client model"

Item	Capability	Reference	Status
1	Upload Firmware OOB procedure	[1] 7.2.2.8	O

2 References

- [1] Mesh Device Firmware Update Model Specification, Version 1.0 or later
- [2] ICS Proforma for Mesh Binary Large Object Transfer Model Specification

3 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.

Acknowledgments

Name	Company
Bogdan Alexandru	Bluetooth SIG, Inc.
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