

# Bond Management Service (BMS)

## **Bluetooth® Implementation Conformance Statement (ICS) Proforma**

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- **Revision:** BMS.ICS.p2
- **Revision Date:** 2022-01-25
- **Group Prepared By:** Medical Devices Working Group



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# 1 Identification of the implementation

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## 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: Major Versions (X.Y)**

Item	Version	Reference	Status
1	BMS v1.0	[1]	C.1

C.1: Mandatory to support together with an active minor version after the date of deprecation.  
Deprecated 2023-02-01. Withdrawn 2025-02-01.

**Table 0a: Minor Versions (X.Y.Z)**

Item	Version	Reference	Status
1	BMS v1.0.1	[1]	C.1

C.1: Optional IF BMS 0/1 “BMS v1.0” is supported AND “BMS v1.0” is Not Deprecated, otherwise  
Mandatory IF BMS 0/1 “BMS v1.0” is supported AND “BMS v1.0” is Deprecated, otherwise  
Excluded.

## 1.3 Roles

**Table 1: Role Requirements**

Item	Role	Reference	Status
1	Bond Management Service Server	[1] 2	M

## 1.4 Transports

**Table 2: Transport Requirements**

Item	Transport	Reference	Status
1	Service supported over BR/EDR	[1] 1.6	C.1
2	Service supported over LE	[1] 1.6	C.1

C.1: Mandatory to support at least one of BMS 2/1 “Service supported over BR/EDR” OR BMS 2/2  
“Service supported over LE”.

## 1.5 Bond Management Service Server

### 1.5.1 Features

**Table 2a: Feature Requirements**

Item	Capability	Reference	Status
1	Bond Management Control Point characteristic	[1] 3, 3.1	M
2	Bond Management Feature characteristic	[1] 3, 3.2	M
3	Bond Management Control Point - Reliable Write	[1] 3, 3.1	O
4	Indications for changes of supported features	[4] 3.2.1	C.1

C.1: Optional IF BMS 0/1 “BMS v1.0” is supported AND BMS 0a/1 “BMS v1.0.1” is not supported,  
otherwise Mandatory.

**Table 2b: Indications for changes of supported features**

*Prerequisite: BMS 2a/4 “Indications for changes of supported features”*

Item	Capability	Reference	Status
1	Changeable Bond Management Feature	[4] 3, 3.2.1	O
2	Bond Management Feature characteristic indication	[4] 3, 3.2.1	C.1

C.1: Mandatory IF BMS 2b/1 “Changeable Bond Management Feature” is supported, otherwise Excluded.

## 1.5.2 Control Point Operations

**Table 3: Control Point Operations**

Item	Capability	Reference	Status
1	Delete bond of requesting device without authorization code	[1] 3.1.1	C.1
2	Delete all bonds on server without authorization code	[1] 3.1.1	O
3	Delete all but the active bond on server without authorization code	[1] 3.1.1	O
4	Delete bond of requesting device with authorization code	[1] 3.1.1	C.1
5	Delete all bonds on server with authorization code	[1] 3.1.1	O
6	Delete all but the active bond on server with authorization code	[1] 3.1.1	O

C.1: Mandatory to support at least one of BMS 3/1 “Delete bond of requesting device without authorization code” OR BMS 3/4 “Delete bond of requesting device with authorization code”.

### 1.5.2.1 Control Point Authorization Code

**Table 4: Control Point Authorization Code**

Item	Capability	Reference	Status
1	Large authorization codes	[1] 3.1, 3.1.2	O

Note: Large authorization codes have a length of more than (minimum MTU – 1) bytes

## 1.6 GATT Requirements

**Table 5: GATT Requirements**

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Generic Attribute Profile (GATT) Server	[1] 1.5	M	[3] GATT 1/2
2	Write Characteristic Value	[1] 1.5	M	[3] GATT 4/14
3	Write Long Characteristic Values	[1] 1.5	C.1	[3] GATT 4/15
4	Characteristic Value Reliable Writes	[1] 1.5	C.2	[3] GATT 4/16

C.1: Mandatory IF BMS 4/1 “Large authorization codes” is supported, otherwise Optional.

C.2: Mandatory IF BMS 2a/3 “Bond Management Control Point - Reliable Write” is supported, otherwise not defined.

## 1.7 SDP requirements

**Table 6: SDP requirements**

*Prerequisite: BMS 2/1 "Service supported over BR/EDR"*

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Support for Server role	[1] 4	M	[2] SDP 1b/1
2	ProtocolDescriptorList	[1] 4	M	[2] SDP 9/2
3	BrowseGroupList	[1] 4	M	[2] SDP 9/5

## 2 References

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- [1] Bond Management Service Specification, Version 1.0 or later
- [2] ICS Proforma for Service Discovery Protocol (SDP)
- [3] ICS Proforma for Generic Attribute Profile (GATT)
- [4] Bond Management Service Specification, Version 1.0.1



### 3 Revision history and acknowledgments

#### Revision History

Publication Number	Revision Number	Date	Comments
	D09R01	2013-12-20	Initial Version
	D09R02	2014-02-03	Incorporated feedback from BTI
	D09R03	2014-02-04	Incorporated feedback from BTI
	D10R00	2014-06-03	Incorporated feedback from IOP and F2F
	1.0.0r01	2014-08-11	Incorporated feedback from TE
0	1.0.0	2014-10-21	Publication
	1.0.1r00	2018-02-07	TSE 9946 (rating 1): Updated template. Removed Global Statement of Conformance to reflect current ICS conventions. Corrected Table 6 pre-requisite and conditionals.
1	1.0.1	2018-06-27	Approved by BTI. Prepared for TCRL 2018-1 publication.
	p2r00–r07	2021-02-16 – 2021-12-22	<p>TSE 16764 (rating 4): Added new ICS item 0a/1 for BMS v1.0.1 and new conditional C.1 in Table 0 for BMS v1.0. Added new ICS item 2a/4 and table (Table 2b) for E15767 - proper handling of changing supported features by characteristic indication. Added a reference for Bond Management Service Specification v1.0.1.</p> <p>TSE 18046 (rating 3): Added ICS Table 2a “Feature Requirements” items 1–3 and ICS for BMS Control Point and BMS Feature characteristics. Updated the conditional of BMS 5/4.</p> <p>TSE 18050 (rating 2): Updated the Control Point Tables 3 and 4 references and conditionals.</p> <p>Updated ICS to latest template and made editorial changes, including updating the copyright page to align with v2 of the DNMD and fixing C.1 in Table 2a.</p>
2	p2	2022-01-25	Approved by BTI on 2022-01-06. Prepared for TCRL 2021-2 publication.

#### Acknowledgments

Name	Company
Jörg Brakensiek	Bluetooth SIG, Inc.
Ismail Mohamud	Bluetooth SIG, Inc.
Alicia Courtney	Broadcom
Magnus Sommansson	Qualcomm
Wolfgang Heck	Roche
Rasmus Abildgren	Samsung Electronics Co., Ltd.