

# Device Information Service (DIS)

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

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- **Revision:** DIS.ICS.p6
- **Revision Date:** 2025-07-08
- **Prepared By:** BTI
- **Published during TCRL:** TCRL.pkg100



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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	DIS v1.1	[1]	C.1
2	DIS v1.2	[3]	C.1

C.1: Mandatory to support one and only one.

### 2.2 Transports

**Table 1: 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
3	No longer used	N/A	N/A

C.1: Excluded for this Service IF CORE 41/2 “LE Core Configuration”.

C.2: Excluded for this Service IF CORE 41/1 “BR/EDR Core Configuration”.

C.3: Mandatory to support at least one.

### 2.3 Service requirements

**Table 2: Service Requirements**

Item	Capability	Reference	Status
1	Device Information Service	[1] 2	M
2	Manufacturer Name String Characteristic	[1] 3.1	O
3	Model Number String Characteristic	[1] 3.2	O
4	Serial Number String Characteristic	[1] 3.3	O
5	Hardware Revision String Characteristic	[1] 3.4	O
6	Firmware Revision String Characteristic	[1] 3.5	O
7	Software Revision String Characteristic	[1] 3.6	O
8	System ID Characteristic	[1] 3.7	O
9	IEEE 11073-20601 Regulatory Certification Data List Characteristic	[1] 3.8	O
10	SDP Interoperability	[1] 4	C.1
11	PnP ID	[1] 3.9	O
12	UDI for Medical Devices Characteristic	[3] 3.10	C.2

C.1: Mandatory IF DIS 1/1 “Service supported over BR/EDR”, otherwise Excluded.

C.2: Excluded IF DIS 0/1 “DIS v1.1”, otherwise Optional.

## 2.4 GATT requirements

**Table 3: GATT Requirements**

Item	Capability	Reference	Status	Inter-Layer Dependency
1	No longer used	N/A	N/A	N/A
2	GATT Server over BR/EDR	[1] 1.3	C.1	[2] GATT 1a/4
3	GATT Server over LE	[1] 1.3	C.2	[2] GATT 1a/3

C.1: Mandatory IF DIS 1/1 “Service supported over BR/EDR”, otherwise not defined.

C.2: Mandatory IF DIS 1/2 “Service supported over LE”, otherwise not defined.

## 2.5 SDP requirements

**Table 4: SDP Requirements**

*Prerequisite: DIS 1/1 “Service supported over BR/EDR”*

Item	Capability	Reference	Status
1	SDP record present for DIS	[1] 4	M

## 2.6 Service integration

**Table 5: Service Integration**

Item	Version	Reference	Status
1	DIS as a Primary Service	[1]	C.1, C.3
2	DIS as a Secondary Service	[3]	C.2, C.3

C.1: Mandatory IF DIS 0/1 “DIS v1.1”, otherwise Optional.

C.2: Excluded IF DIS 0/1 “DIS v1.1”, otherwise Optional.

C.3: Mandatory to support at least one.

## 3 References

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- [1] Device Information Service Specification, Version 1.1 or later
- [2] ICS Proforma for Generic Attribute Profile (GATT.ICS)
- [3] Device Information Service Specification, Version 1.2

## 4 Revision history and acknowledgments

### Revision History

Publication Number	Revision Number	Date	Comments
0	1.0.0	2011-05-24	Prepare for publication.
	1.1.0r1	2011-10-01	Changes as per DIS Specification 1.1
	1.1.0r2	2011-10-04	Removed unused reference and updated reference fields
	1.1.0r3	2011-10-12	Addressed BTI comments
	1.1.0r4	2011-10-13	Changed conditional reference in Table 2 from C.2 to C.1
	1.1.0r5	2011-10-13	Changes to include HID PnP ID characteristic per GPA discussion
	1.1.0r6	2011-10-20	Editorial changes
	1.1.0r7	2011-11-02	Addressed BTI comments
1	1.1.0	2011-11-29	Adopted by the Bluetooth SIG Board of Directors
	1.1.1r00	2016-07-28	TSE 7393: Added Table 0, Versions.
2	1.1.1	2016-12-13	Approved by BTI. Prepared for TCRL 2016-2 publication.
	1.1.2r00	2018-02-15	TSE 9906 (TSE rating: 1): Corrected Section 1.3 (Transport Requirements) and Section 1.4 (Service Requirements).
3	1.1.2	2018-06-27	Approved by BTI. Prepared for TCRL 2018-1 publication.
	p4r00–r02	2022-03-16 – 2022-10-13	<p>TSE 18715 (rating 1): Editorials to align the document with the latest ICS template in anticipation of a future .Z release. Assigned publication number 3 to previous v1.1.2 and aligned copyright page with v2 of the DNMD.</p> <p>TSE 19222 (rating 1): Additional updates to align with current ICS conventions/template. Updated the reference in Table 0. In Table 1, marked Item 3 as no longer used, deleted the ILD column, and updated C.1. Updated references in Table 3. Updated references in Table 4 and in the References section.</p>
4	p4	2023-02-07	Approved by BTI on 2022-12-28. Prepared for TCRL 2022-2 publication.



Publication Number	Revision Number	Date	Comments
	p5r00–r02	2023-05-01 – 2023-05-12	<p>Incorporated the DIS.TSandICS.CRr02_MultipleInstances CR, which passed BTI vote on 2023-04-27, in support of the upcoming release of DIS v1.2. Added DIS v1.2 to the Versions table, and added a new Service Integration section/table. Added DIS v1.2 to the References section.</p> <p>Incorporated the DIS.TSandICS.CRr00_UDI-ac CR, which passed BTI vote on 2023-05-10, in support of the upcoming release of DIS v1.2. Added DIS v1.2 to the Versions table, and added new item 2/12 and associated conditional C.2. Added DIS v1.2 to the References section and updated the DIS v1.1 reference to include "or later" verbiage.</p> <p>Removed enumeration in C.1 of Table 1. Updated References in Table 2.</p>
5	p5	2023-06-23	Approved by BTI on 2023-05-21. DIS v1.2 adopted by the BoD on 2023-06-21. Prepared for publication.
	p6r00	2025-04-30	<p>TSE 27324 (rating 1): In Table 1, updated the Status value for DIS 1/1 and DIS 1/2, added conditions C.1 and C.2, and renumbered C.1 as C.3.</p> <p>Incorporated editorials to align the document with the latest ICS template, including updates to Section 1 and the addition of a section heading for the ICS declarations section.</p>
6	p6	2025-07-08	Approved by BTI on 2025-06-15. Prepared for TCRL pkg100 publication.

### Acknowledgments

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Tiberiu Marinescu	Bluetooth SIG, Inc.
Sowmya Ramjee	Bluetooth SIG, Inc.
Robert Hughes	Intel
Jason Hillyard	Wicentric