Insulin Delivery Profile (IDP)

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

- **Revision:** IDP.ICS.p6
- **Revision Date:** 2026-06-23
- **Prepared By:** Medical Devices Working Group
- **Published during TCRL:** TCRL.pkg104

Contents

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	IDP v1.0	[1]	C.1, C.2

C.1: Mandatory.

C.2: Can only be supported with an active X.Y.Z version after Deprecation or Withdrawal. Deprecated 2023-02-01. Withdrawn 2025-02-01.

Table 0a: X.Y.Z Versions

Item	Version	Reference	Status
1	IDP v1.0.1	[10]	C.1, C.2
2	IDP v1.0.2	[11]	C.1

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

C.2: Excluded after Deprecation or Withdrawal. Deprecated 2028-02-01. Withdrawn 2030-02-01.

2.2 Roles

Table 1: Role Requirements

Item	Role	Reference	Status
1	Insulin Delivery Sensor	[1] 2.1	C.1
2	Collector	[1] 2.1	C.1

C.1: Mandatory to support at least one.

2.3 Transports

Table 2: Transport Requirements

Item	Transport	Reference	Status
1	Profile supported over BR/EDR	[1] 2.5	C.1
2	Profile supported over LE	[1] 2.5	C.2, C.3

C.1: Excluded for this Profile.

C.2: Excluded for this Profile IF CORE 41/1 “BR/EDR Core Configuration” OR CORE 40/1 “Core-Controller”.

C.3: Mandatory for this Profile.

2.4 Insulin Delivery Sensor role

2.4.1 Services

Table 3: Services (Sensor)

Prerequisite: IDP 1/1 "Insulin Delivery Sensor"

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Insulin Delivery Service	[1] 3	M	[9] IDS
1a	Multiple Bond	[1] 4.9	C.1	[9] IDS 3/12
2	Writable Device Name	[1] 3.1.1	O	[8] GAP 27/6
3	Service UUID	[1] 3.1.2.1	O	[8] GAP 20a/1
4	Local Name	[1] 3.1.2.2	O	[8] GAP 20a/2
5	Appearance	[1] 3.1.2.3	O	[8] GAP 20a/11
6	Device Information Service	[1] 3	M	[2] DIS
7	Current Time Service	[1] 3	O	[3] CTS
8	Battery Service	[1] 3	O	[4] BAS
9	Immediate Alert Service	[1] 3	O	[5] IAS
10	Bond Management Service	[1] 3	C.2	[6] BMS

C.1: (Reverse ILD) Mandatory IF IDS 3/12 "Multiple Bond", otherwise Excluded.

C.2: Mandatory IF IDP 3/1a "Multiple Bond", otherwise Optional.

2.4.2 Device Information Service requirements

Table 4: Device Information Service Requirements (Sensor)

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Manufacturer Name String Characteristic	[1] 3.2	M	[2] DIS 2/2
2	Model Number String Characteristic	[1] 3.2	M	[2] DIS 2/3
3	System ID Characteristic	[1] 3.2	M	[2] DIS 2/8

2.4.3 Bond Management Service requirements

Table 5: Bond Management Service Requirements (Sensor)

Prerequisite: IDP 3/10 "Bond Management Service"

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Delete bond of requesting device with authorization code	[1] 3.3	M	[6] BMS 3/4
2	Delete all bonds on server with authorization code	[1] 3.3	O	[6] BMS 3/5
3	Delete all but the active bond on server with authorization code	[1] 3.3	O	[6] BMS 3/6

Table 6: No longer used

2.4.4 GAP requirements

Table 7: GAP Requirements (Sensor)

Prerequisite: IDP 1/1 "Insulin Delivery Sensor"

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Peripheral	[1] 2.4.1	M	[8] GAP 5/3
2	Central	[1] 2.4.1	O	[8] GAP 5/4
3	Limited discoverable mode	[1] 5.1.1	C.1	[8] GAP 22/2
4	General discoverable mode	[1] 5.1.1	C.1	[8] GAP 22/3
5	Undirected connectable mode	[1] 5.1.1	O	[8] GAP 23/3
6	Bondable mode	[1] 5.1.1	M	[8] GAP 24/2
7	Authenticated Pairing (LE security mode 1 level 3)	[1] 6.1	M	[8] GAP 25/7
8	LE security mode 1 level 4	[1] 6.1	O	[8] GAP 25/9

C.1: Mandatory to support at least one.

2.5 Collector role

2.5.1 Services

Table 8: Services (Collector)

Prerequisite: IDP 1/2 "Collector"

Item	Capability	Reference	Status
1	Insulin Delivery Service	[1] 4	M
2	Device Information Service	[1] 4	O
3	Current Time Service	[1] 4	O
4	Battery Service	[1] 4	O
5	Immediate Alert Service	[1] 4	O
6	Bond Management Service	[1] 4	O

2.5.2 Discover Service Characteristics

Table 9: Discover Service Characteristics Requirements (Collector)

Prerequisite: IDP 1/2 "Collector"

Item	Capability	Reference	Status
1	Discover Insulin Delivery Service Characteristic	[1] 4.3	M
2	Discover Device Information Service Characteristic	[1] 4.3	O
3	Discover Current Time Service Characteristic	[1] 4.3	O
4	Discover Battery Service Characteristic	[1] 4.3	O

Item	Capability	Reference	Status
5	Discover Immediate Alert Service Characteristic	[1] 4.3	O
6	Discover Bond Management Service Characteristic	[1] 4.3	C.1

C.1: Mandatory IF IDP 8/6 “Bond Management Service”, otherwise Excluded.

2.5.3 General Profile requirements

Table 10: General Requirements (Collector)

Prerequisite: IDP 1/2 “Collector”

Item	Capability	Reference	Status
1	IDD Status Changed	[1] 4.3, 4.6	M
2	IDD Status	[1] 4.3, 4.7	M
3	IDD Annunciation Status	[1] 4.3, 4.8	M
4	IDD Features	[1] 4.3, 4.9	M
5	IDD Status Reader Control Point	[1] 4.3, 4.10	M
6	IDD Command Control Point	[1] 4.3, 4.11	O
7	IDD Command Data	[1] 4.3, 4.12	C.1
8	IDD Record Access Control Point	[1] 4.3, 4.13	O
9	IDD History Data	[1] 4.3, 4.14	C.2
10	E2E-Counter and E2E-CRC Fields in IDD Status Changed, IDD Status, IDD Annunciation Status, IDD Status Reader Control Point, IDD Command Control Point, IDD Command Data, and IDD Record Access Control Point	[1] 4.4, 4.9, 4.15.1.1	C.3
11	E2E-CRC Field in IDD History Data	[1] 4.4, 4.9	C.3
12	E2E-Counter and E2E-CRC Fields in IDD Features	[1] 4.4, 4.9	M
13	Basal Rate	[1] 4.9	O
14	TBR Absolute	[1] 4.9	O
15	TBR Relative	[1] 4.9	O
16	TBR Template	[1] 4.9	O
17	Fast Bolus	[1] 4.9	O
18	Extended Bolus	[1] 4.9	O
19	Multiwave Bolus	[1] 4.9	O
20	Bolus Delay Time	[1] 4.9	O
21	Bolus Template	[1] 4.9	O
22	Bolus Activation Type	[1] 4.9	O
23	Multiple Bond	[1] 4.9	O
24	ISF Profile Template	[1] 4.9	O
25	I2CHO Ratio Profile Template	[1] 4.9	O
26	Target Glucose Range Profile Template	[1] 4.9	O
27	Insulin on Board	[1] 4.9	O

Item	Capability	Reference	Status
28	E2E-Protection	[1] 4.9	O
29	Configure characteristic for indications to determine supported features	[10] 4.9	M

C.1: Mandatory IF IDP 10/6 “IDD Command Control Point”, otherwise Excluded.

C.2: Mandatory IF IDP 10/8 “IDD Record Access Control Point”, otherwise Excluded.

C.3: Mandatory IF IDP 10/28 “E2E-Protection”, otherwise Excluded.

Table 10a: Determining Supported Features (Configure Characteristic for Indications)

Prerequisite: IDP 10/29 “Configure characteristic for indications to determine supported features”

Item	Capability	Reference	Status
1	Configure and receive IDD Features characteristic indications	[10] 4.9	C.1
2	Read IDD Features characteristic on reconnection	[10] 4.9	C.1
3	Configure and receive Bond Management Feature characteristic indications	[10] 4.3, 4.21.5	C.2
4	Read Bond Management Feature characteristic on reconnection	[10] 4.3, 4.21.5	C.2

C.1: Mandatory to support at least one IF IDP 8/6 "Bond Management Service", otherwise Excluded.

C.2: Mandatory to support at least one IF IDP 8/6 "Bond Management Service", otherwise Excluded.

2.5.4 IDD Status Reader Control Point

Table 11: IDD Status Reader Control Point (Collector)

Prerequisite: IDP 1/2 “Collector”

Item	Capability	Reference	Status
1	Reset Status	[1] 4.10.1, 4.10.2.1	M
2	Get Active Bolus IDs	[1] 4.10.1, 4.10.2.2	C.1
3	Get Active Bolus Delivery	[1] 4.10.1, 4.10.2.3	C.1
4	Get Active Basal Rate Delivery	[1] 4.10.1, 4.10.2.4	C.2
5	Get Total Daily Insulin Status	[1] 4.10.1, 4.10.2.5	M
6	Get Counter	[1] 4.10.1, 4.10.2.6	O
7	Get Delivered Insulin	[1] 4.10.1, 4.10.2.7	O
8	Get Insulin On Board	[1] 4.10.1, 4.10.2.8	C.3

C.1: Mandatory IF IDP 10/17 “Fast Bolus” OR IDP 10/18 “Extended Bolus” OR IDP 10/19 “Multiwave Bolus”, otherwise Excluded.

C.2: Mandatory IF IDP 10/13 “Basal Rate”, otherwise Excluded.

C.3: Mandatory IF IDP 10/27 “Insulin on Board”, otherwise Excluded.

2.5.5 IDD Command Control Point

Table 12: IDD Command Control Point (Collector)

Prerequisite: IDP 10/6 "IDD Command Control Point"

Item	Capability	Reference	Status
1	Set Therapy Control State	[1] 4.11.1, 4.11.2.3	M
2	Set Flight Mode	[1] 4.11.1, 4.11.2.4	M
3	Snooze Annunciation	[1] 4.11.1, 4.11.2.5	M
4	Confirm Annunciation	[1] 4.11.1, 4.11.2.6	M
5	Read Basal Rate Profile Template	[1] 4.11.1, 4.11.2.7	C.1
6	Write Basal Rate Profile Template	[1] 4.11.1, 4.11.2.8	C.1
7	Set TBR Adjustment	[1] 4.11.1, 4.11.2.9	C.2
8	Cancel TBR Adjustment	[1] 4.11.1, 4.11.2.10	C.2
9	Get TBR Template	[1] 4.11.1, 4.11.2.11	C.3
10	Set TBR Template	[1] 4.11.1, 4.11.2.12	C.3
11	Set Bolus	[1] 4.11.1, 4.11.2.13	C.4
12	Cancel Bolus	[1] 4.11.1, 4.11.2.14	C.4
13	Get Available Boluses	[1] 4.11.1, 4.11.2.15	C.4
14	Get Bolus Template	[1] 4.11.1, 4.11.2.16	C.5
15	Set Bolus Template	[1] 4.11.1, 4.11.2.17	C.5
16	Get Template Status and Details	[1] 4.11.1, 4.11.2.18	C.6
17	Reset Template Status	[1] 4.11.1, 4.11.2.19	C.6
18	Activate Profile Templates	[1] 4.11.1, 4.11.2.20	C.7
19	Get Activated Profile Templates	[1] 4.11.1, 4.11.2.21	C.7
20	Start Priming	[1] 4.11.1, 4.11.2.22	O
21	Stop Priming	[1] 4.11.1, 4.11.2.23	C.8
22	Set Initial Reservoir Fill Level	[1] 4.11.1, 4.11.2.24	O
23	Reset Reservoir Insulin Operation Time	[1] 4.11.1, 4.11.2.25	O
24	Read ISF Profile Template	[1] 4.11.1, 4.11.2.26	C.9
25	Write ISF Profile Template	[1] 4.11.1, 4.11.2.27	C.9
26	Read I2CHO Ratio Profile Template	[1] 4.11.1, 4.11.2.28	C.10
27	Write I2CHO Ratio Profile Template	[1] 4.11.1, 4.11.2.29	C.10
28	Read Target Glucose Range Profile Template	[1] 4.11.1, 4.11.2.30	C.11
29	Write Target Glucose Range Profile Template	[1] 4.11.1, 4.11.2.31	C.11
30	Get Max Bolus Amount	[1] 4.11.1, 4.11.2.32	O
31	Set Max Bolus Amount	[1] 4.11.1, 4.11.2.33	O

C.1: Mandatory IF IDP 10/13 "Basal Rate", otherwise Excluded.

C.2: Mandatory IF IDP 10/14 "TBR Absolute" OR IDP 10/15 "TBR Relative", otherwise Excluded.

C.3: Mandatory IF IDP 10/16 "TBR Template", otherwise Excluded.

C.4: Mandatory IF IDP 10/17 "Fast Bolus" OR IDP 10/18 "Extended Bolus" OR IDP 10/19 "Multiwave Bolus", otherwise Excluded.

C.5: Mandatory IF IDP 10/21 "Bolus Template", otherwise Excluded.

C.6: Mandatory IF IDP 10/13 “Basal Rate” OR IDP 10/16 “TBR Template” OR IDP 10/21 “Bolus Template” OR IDP 10/24 “ISF Profile Template” OR IDP 10/25 “I2CHO Ratio Profile Template” OR IDP 10/26 “Target Glucose Range Profile Template”, otherwise Excluded.

C.7: Mandatory IF IDP 10/13 “Basal Rate” OR IDP 10/24 “ISF Profile Template” OR IDP 10/25 “I2CHO Ratio Profile Template” OR IDP 10/26 “Target Glucose Range Profile Template”, otherwise Excluded.

C.8: Mandatory IF IDP 12/20 “Start Priming”, otherwise Excluded.

C.9: Mandatory IF IDP 10/24 “ISF Profile Template”, otherwise Excluded.

C.10: Mandatory IF IDP 10/25 “I2CHO Ratio Profile Template”, otherwise Excluded.

C.11: Mandatory IF IDP 10/26 “Target Glucose Range Profile Template”, otherwise Excluded.

2.5.6 IDD Record Access Control Point

Table 13: IDD RACP (Collector)

Prerequisite: IDP 10/8 “IDD Record Access Control Point”

Item	Capability	Reference	Status
1	Report Number of Stored Records	[1] 4.13.1, 4.13.2.2	M
2	Delete Stored Records	[1] 4.13.1, 4.13.2.3	O
3	Report Stored Records	[1] 4.13.1, 4.13.2.4	M
4	Abort Operation	[1] 4.13.1, 4.13.2.5	M

Table 14: IDD RACP (Report Number of Stored Records Operators using Operand Filter Types)

Prerequisite: IDP 13/1 “Report Number of Stored Records”

Item	Capability	Reference	Status
1	All records Operator	[11] 4.13.1, 4.13.2.2	M
2–3	No longer used	N/A	N/A
4	Greater than or equal to Operator with Sequence Number Operand	[1] 4.13.1, 4.13.2.2	M
5	Greater than or equal to Operator with Sequence Number filtered by Reference Time Event Operand	[1] 4.13.1, 4.13.2.2	O
6	Greater than or equal to Operator with Sequence Number filtered by Non-Reference Time Event Operand	[1] 4.13.1, 4.13.2.2	O
7	Less than or equal to Operator with Sequence Number Operand	[1] 4.13.1, 4.13.2.2	O
8	Less than or equal to Operator with Sequence Number filtered by Reference Time Event Operand	[1] 4.13.1, 4.13.2.2	C.1
9	Less than or equal to Operator with Sequence Number filtered by Non-Reference Time Event Operand	[1] 4.13.1, 4.13.2.2	C.1
10	Within range of (inclusive) Operator with Sequence Number Operand	[1] 4.13.1, 4.13.2.2	O
11	Within range of (inclusive) Operator with Sequence Number filtered by Reference Time Event Operand	[1] 4.13.1, 4.13.2.2	C.2

Item	Capability	Reference	Status
12	Within range of (inclusive) Operator with Sequence Number filtered by Non-Reference Time Event Operand	[1] 4.13.1, 4.13.2.2	C.2
13	First record Operator	[11] 4.13.1, 4.13.2.2	O
14–15	No longer used	N/A	N/A
16	Last record Operator	[11] 4.13.1, 4.13.2.2	O
17–18	No longer used	N/A	N/A

C.1: Optional IF IDP 14/7 “Less than or equal to Operator with Sequence Number Operand”, otherwise Excluded.

C.2: Optional IF IDP 14/10 “Within range of (inclusive) Operator with Sequence Number Operand“, otherwise Excluded.

Table 15: IDD RACP (Delete Stored Records Operators using Operand Filter Types)

Prerequisite: IDP 13/2 “Delete Stored Records”

Item	Capability	Reference	Status
1	All records Operator	[11] 4.13.1, 4.13.2.3	M
2–3	No longer used	N/A	N/A
4	Greater than or equal to Operator with Sequence Number Operand	[1] 4.13.1, 4.13.2.3	O
5	Greater than or equal to Operator with Sequence Number filtered by Reference Time Event Operand	[1] 4.13.1, 4.13.2.3	O
6	Greater than or equal to Operator with Sequence Number filtered by Non-Reference Time Event Operand	[1] 4.13.1, 4.13.2.3	O
7	Less than or equal to Operator with Sequence Number Operand	[1] 4.13.1, 4.13.2.3	O
8	Less than or equal to Operator with Sequence Number filtered by Reference Time Event Operand	[1] 4.13.1, 4.13.2.3	O
9	Less than or equal to Operator with Sequence Number filtered by Non-Reference Time Event Operand	[1] 4.13.1, 4.13.2.3	O
10	Within range of (inclusive) Operator with Sequence Number Operand	[1] 4.13.1, 4.13.2.3	O
11	Within range of (inclusive) Operator with Sequence Number filtered by Reference Time Event Operand	[1] 4.13.1, 4.13.2.3	O
12	Within range of (inclusive) Operator with Sequence Number filtered by Non-Reference Time Event Operand	[1] 4.13.1, 4.13.2.3	O
13	First record Operator	[11] 4.13.1, 4.13.2.3	O
14–15	No longer used	N/A	N/A
16	Last record Operator	[11] 4.13.1, 4.13.2.3	O
17–18	No longer used	N/A	N/A

Table 16: IDD RACP (Report Stored Records Operators using Operand Filter Types)

Prerequisite: IDP 13/3 "Report Stored Records"

Item	Capability	Reference	Status
1	All records Operator	[11] 4.13.1, 4.13.2.4	M
2–3	No longer used	N/A	N/A
4	Greater than or equal to Operator with Sequence Number Operand	[1] 4.13.1, 4.13.2.4	M
5	Greater than or equal to Operator with Sequence Number filtered by Reference Time Event Operand	[1] 4.13.1, 4.13.2.4	O
6	Greater than or equal to Operator with Sequence Number filtered by Non-Reference Time Event Operand	[1] 4.13.1, 4.13.2.4	O
7	Less than or equal to Operator with Sequence Number Operand	[1] 4.13.1, 4.13.2.4	O
8	Less than or equal to Operator with Sequence Number filtered by Reference Time Event Operand	[1] 4.13.1, 4.13.2.4	C.1
9	Less than or equal to Operator with Sequence Number filtered by Non-Reference Time Event Operand	[1] 4.13.1, 4.13.2.4	C.1
10	Within range of (inclusive) Operator with Sequence Number Operand	[1] 4.13.1, 4.13.2.4	O
11	Within range of (inclusive) Operator with Sequence Number filtered by Reference Time Event Operand	[1] 4.13.1, 4.13.2.4	C.2
12	Within range of (inclusive) Operator with Sequence Number filtered by Non-Reference Time Event Operand	[1] 4.13.1, 4.13.2.4	C.2
13	First record Operator	[11] 4.13.1, 4.13.2.4	O
14–15	No longer used	N/A	N/A
16	Last record Operator	[11] 4.13.1, 4.13.2.4	O
17–18	No longer used	N/A	N/A

C.1: Optional IF IDP 16/7 "Less than or equal to Operator with Sequence Number Operand", otherwise Excluded.

C.2: Optional IF IDP 16/10 "Within range of (inclusive) Operator with Sequence Number Operand", otherwise Excluded.

2.5.7 Device Information Service Characteristics Behavior

Table 17: Device Information Service (Collector)

Prerequisite: IDP 8/2 "Device Information Service"

Item	Capability	Reference	Status
1	Read Device Information Service characteristic values	[1] 4.17	O

2.5.8 Current Time Service Characteristics Behavior

Table 18: Current Time Service (Collector)

Prerequisite: IDP 8/3 "Current Time Service"

Item	Capability	Reference	Status
1	Set the date and time of the Insulin Delivery Sensor	[1] 4.18	O
2	Get the date and time of the Insulin Delivery Sensor	[1] 4.18	O

2.5.9 Battery Service Characteristics Behavior

Table 19: Battery Service (Collector)

Prerequisite: IDP 8/4 "Battery Service"

Item	Capability	Reference	Status
1	Read Battery Service characteristic values	[1] 4.19	O
2	Configure Battery Service characteristic for notifications	[1] 4.19	O

2.5.10 Immediate Alert Service Characteristics Behavior

Table 20: Immediate Alert Service (Collector)

Prerequisite: IDP 8/5 "Immediate Alert Service"

Item	Capability	Reference	Status
1	Write Immediate Alert Service characteristic values	[1] 4.20	O

2.5.11 Bond Management Service Characteristics Behavior

Table 21: Bond Management Service (Collector)

Prerequisite: IDP 8/6 "Bond Management Service"

Item	Capability	Reference	Status
1	Bond Management Control Point	[1] 4.3, 4.21	M
2	Bond Management Feature	[1] 4.3, 4.21	M
3	Read Bond Management Feature characteristic values.	[1] 4.21	M
4	Delete bond of requesting device	[1] 4.21.1	O
5	Delete all bonds on server	[1] 4.21.2	O
6	Delete bond of all except the requesting device	[1] 4.21.3	O

2.5.12 GATT requirements

Table 22: GATT Requirements (Collector)

Prerequisite: IDP 1/2 "Collector"

Item	Capability	Reference	Status	Inter-Layer Dependency
1	No longer used	N/A	N/A	N/A
2	GATT Client over LE	[1] 2.1	M	[7] GATT 1a/1
3	Discover All Primary Services	[1] 4.1	C.1	[7] GATT 3/2
4	Discover Primary Service by Service UUID	[1] 4.1	C.1	[7] GATT 3/3
5	Discover All Characteristics of a Service	[1] 4.1	C.2	[7] GATT 3/5
6	Discover Characteristics by UUID	[1] 4.1	C.2	[7] GATT 3/6
7	Discover All Characteristic Descriptors	[1] 4.1	M	[7] GATT 3/7
8	Single Notification	[1] 4.1	M	[7] GATT 3/17
9	Indication	[1] 4.1	M	[7] GATT 3/18
10	Read Characteristic Value	[1] 4.1	M	[7] GATT 3/8
11	Write Characteristic Value	[1] 4.1	M	[7] GATT 3/14
12	Write Without Response	[1] 4.1	C.3	[7] GATT 3/12
13	Characteristic Value Reliable Writes	[1] 4.1	C.4	[7] GATT 3/16
14	Write Long Characteristic Value	[1] 4.1	C.4	[7] GATT 3/15
15	Read Characteristic Descriptor	[1] 4.1	M	[7] GATT 3/19
16	Write Characteristic Descriptor	[1] 4.1	M	[7] GATT 3/21

C.1: Mandatory to support at least one.

C.2: Mandatory to support at least one.

C.3: Mandatory IF IDP 8/5 "Immediate Alert Service", otherwise not defined.

C.4: Mandatory IF IDP 8/6 "Bond Management Service", otherwise not defined.

2.5.13 GAP requirements

Table 23: GAP Requirements (Collector)

Prerequisite: IDP 1/2 "Collector"

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Central	[1] 2.4.1	M	[8] GAP 5/4
2	Peripheral	[1] 2.4.1	O	[8] GAP 5/3
3	Bondable mode	[1] 5.1.1	M	[8] GAP 34/2
4	Authenticated Pairing (LE security mode 1 level 3)	[1] 6.2	M	[8] GAP 35/7
5	LE security mode 1 level 4	[1] 6.2	O	[8] GAP 35/9

3 References

[1] Insulin Delivery Profile Specification, Version 1.0 or later

[2] ICS Proforma for Device Information Service (DIS)

[3] ICS Proforma for Current Time Service (CTS)

[4] ICS Proforma for Battery Service (BAS)

[5] ICS Proforma for Immediate Alert Service (IAS)

[6] ICS Proforma for Bond Management Service (BMS)

[7] ICS Proforma for Generic Attribute Profile (GATT)

[8] ICS Proforma for Generic Access Profile (GAP)

[9] ICS Proforma for Insulin Delivery Service (IDS)

[10] Insulin Delivery Profile Specification, Version 1.0.1

[11] Insulin Delivery Profile Specification, Version 1.0.2

4 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
0	1.0.0	2018-06-20	Approved by BTI. Prepared for publication.
	p1r00–r07	2021-03-28 – 2021-12-23	TSE 16936 (rating 4): Updated C.1 in Table 0. Added new Table 0a, new item IDP 10/29 and C.4. Added Table 10a and reference for IDP Specification v1.0.1. (E16486). Removed reference to Bluetooth Core Specification as it is not used in the ICS. Updated Table 0 and 0a statuses to the latest guidelines. TSE 18091 (rating 2): In Table 14, removed C.3 and C.4 and updated status fields to read “Optional”. In Table 15, removed C.2–C.6 and updated status fields to read “Optional”. Aligned ICS capabilities naming to the GAP, GATT, and SM approved naming conventions. Updated to latest ICS template and made editorial changes, including updating the copyright material to align with v2 of the DNMD.
1	p1	2022-01-25	Approved by BTI on 2022-01-06. Prepared for TCRL 2021-2 publication.
	p2r00–r01	2023-09-27 – 2023-12-08	TSE 23668 (rating 2): Resolved GATT inter-layer dependencies. In Table 0, updated conditional C.1 and added C.2. Updated C.1 for Tables 0a, 7, and 15. Added titles for Roles and Transports sections. Corrected capitalization in ILD column of Table 3. Marked Table 6 as no longer used. Deleted C.4 for Table 10. In Table 10a, updated C.1 and C.2. In Table 22, marked Item 1 as no longer used, updated the Capability and ILD values for Item 2, and updated C.1–C.4. Made editorial edits to align the document with the latest ICS template, including removal of “is supported” language. Updated the references. Deleted draft revision history comments prior to p0.
2	p2	2024-07-01	Approved by BTI on 2024-04-21. Prepared for TCRL 2024-1 publication.
	p3r00–r02	2024-08-06 – 2024-08-19	TSE 24615 (rating 1): Per E24597 and E24938, updated C.1 and added item IDP 0a/2. Updated items IDP 14/1, IDP 14/13, IDP 14/16, IDP 15/1, IDP 15/13, IDP 15/16, IDP 16/1, IDP 16/13, and IDP 16/16 capability by removing "with Sequence Number Operand". Changed items IDP 14/2, 14/3, IDP 14/14, IDP 14/15, IDP 14/17, IDP 14/18, IDP 15/2, IDP 15/3, IDP 15/14, IDP 15/15, IDP 15/17, IDP 15/18, IDP 16/2, IDP 16/3, IDP 16/14, IDP 16/15, IDP 16/17, and IDP 16/18 to "No longer used". Updated C.1 in Table 15 to M. Removed C.3 and C.4 in Table 16. Updated C.1 in Table 0 for consistency with the current ICS template. Updated the references list to include IDP v1.0.2.

Publication Number	Revision Number	Date	Comments
			TSE 25570 (rating 1): Per E11380, E22404, E23826, E24852, E24908, E24938, E25231, and E25233, added a new X.Y.Z version as part of the .Z release. In Table 0, updated conditional C.1. In Table 0a, added item IDP 0a/2 and updated conditional C.1. Updated the references list.
3	p3	2024-10-08	Approved by BTI on 2024-09-11. IDP v1.0.2 adopted by the BoD on 2024-10-01. Prepared for TCRL 2024-2-addition publication.
	p3ed2r00–r01	2025-07-10 – 2025-07-15	TSE 27356 (rating 1): Updated the Status for IDP 2/2 and added conditions C.2 and C.3.
	p3 edition 2	2025-08-05	Approved by BTI on 2025-08-05. Prepared for edition 2 publication.
	p4r00	2025-08-14	TSE 27557 (rating 1): Updated the ILD column for Items 7/1, 7/2, 23/1, and 23/2 to delete references to GAP Table 38.
4	p4	2025-11-04	Approved by BTI on 2025-10-02. Prepared for TCRL pkg101 publication.
	p5r00–r03	2025-12-04 – 2025-12-31	TSE 28123 (rating 1): In Table 3, added IDP 3/1a and condition C.2 and modified C.1 to implement a Reverse ILD. TSE 28169 (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.
5	p5	2026-02-17	Approved by BTI on 2026-01-21. Prepared for TCRL pkg102 publication.
	p6r00	2026-03-16	TSE 28662 (rating 1): Applied 2024 Annual Non-Core D&W decision to IDP v1.0.1. Changed status of 0a/1 from just "C.1" to "C.1, C.2" and added new C.2 condition to reflect IDP v1.0.1 D&W status.
6	p6	2026-06-23	Approved by BTI on 2026-05-28. Prepared for TCRL pkg104 publication.

Acknowledgments

Name	Company
Jörg Brakensiek	Bluetooth SIG, Inc.
Ismail Mohamud	Bluetooth SIG, Inc.
Alicia Courtney	Broadcom
Nathaniel Hamming	F. Hoffmann-La Roche AG
Erik Moll	Koninklijke Philips N.V.
Magnus Sommansson	Qualcomm Technologies International Inc.