# Interoperable Product Testing (IOPT)

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** Auto-fill tables

This ICS includes one or more tables that are defined as auto-fill tables. Auto-fill tables are defined to allow for less-complex conditions within other tables. Auto-fill tables are distinguished from regular ICS tables by the addition of "(auto-fill)" after the table number, prior to the colon ":".

An auto-fill table is automatically populated based on selected capabilities elsewhere in the ICS. The populated settings in the auto-fill table are not user editable.

### **1.3 Traditional Profiles**

The "Inter-Layer Prerequisite" column used in the table below specifies a prerequisite for each item. Thus, for example, Table 1, Item 2a (Source (A2DP)), is excluded unless A2DP 1/1 is true; otherwise, the item is mandatory.

Item	Feature	Reference	Inter-Layer Prerequisite	Status
1	3D Synchronization Profile (3DSP)	[1]	[1] 3DSP	Μ
1a	3DD – 3D Display	[1]	[1] 3DSP 1/1	М
1b	3DG – 3D Glasses	[1]	[1] 3DSP 1/2	Μ
2	Advanced Audio Distribution Profile (A2DP)	[2]	[2] A2DP	Μ
2a	Source (A2DP)	[2]	[2] A2DP 1/1	Μ
2b	Sink (A2DP)	[2]	[2] A2DP 1/2	Μ
3	Audio/Video Remote Control Profile (AVRCP)	[3]	[3] AVRCP	Μ
3a	Controller	[3]	[3] AVRCP 1/1	Μ
3b	Target	[3]	[3] AVRCP 1/2	Μ
4	Basic Imaging Profile (BIP)	[4]	[4] BIP	Μ
4a	Image Push Responder	[4]	[4] BIP 1/2	Μ
4b	Image Pull Responder	[4]	[4] BIP 1/4	Μ
4c	Advanced Image Printing Responder (= Printer)	[4]	[4] BIP 1/6	Μ
4d	Automatic Archive Responder	[4]	[4] BIP 1/8	Μ
4e	Remote Camera Responder	[4]	[4] BIP 1/10	Μ
4f	Remote Display Responder	[4]	[4] BIP 1/12	Μ
5	Basic Printing Profile (BPP)	[5]	[5] BPP	Μ
5a	Printer (Pr)	[5]	[5] BPP 1/1	Μ
5b	Sender Device (SD)	[5]	[5] BPP 1/2	Μ
6	Calendar, Tasks and Notes Profile (CTN)	[6]	[6] CTN	Μ
6a	CTN Client Equipment	[6]	[6] CTN 1/1	Μ
6b	CTN Server Equipment	[6]	[6] CTN 1/2	Μ

#### Table 1 (auto-fill): Traditional Profiles



Item	Feature	Reference	Inter-Layer Prerequisite	Status
7	Device Identification (DID)	[7]	[7] DID	М
8	Dial-up Networking Profile (DUN)	[8]	[8] DUN	М
8a	Gateway (GW)	[8]	[8] DUN 1/1	М
9	File Transfer Profile (FTP)	[9]	[9] FTP	М
9a	File Transfer Server	[9]	[9] FTP 1/1	М
10	Global Navigation Satellite Systems Profile (GNSS)	[10]	[10] GNSS	Μ
10a	Server (GNSS)	[10]	[10] GNSS 1/1	М
11	Hardcopy Cable Replacement Profile (HCRP)	[11]	[11] HCRP	Μ
11a	Server (HCRP)	[11]	[11] HCRP 1/1	М
11b	Client (HCRP)	[11]	[11] HCRP 1/2	М
12	Health Device Profile (HDP)	[12]	[12] HDP	М
12a	Source (HDP)	[12]	[12] HDP 1/1	М
12b	Sink (HDP)	[12]	[12] HDP 1/2	М
13	Hands-Free Profile (HFP)	[13]	[13] HFP	М
13a	Audio Gateway (AG) (HFP)	[13]	[13] HFP 1/1	М
13b	Hands-Free (HF)	[13]	[13] HFP 1/2	М
14	Human Interface Device v1.0 (HID)	[14]	[14] HID	М
14a	Device	[14]	[14] HID 1/2	М
15	Human Interface Device v1.1 or later (HID11)	[15]	[15] HID11	Μ
15a	HID Device Role	[15]	[15] HID11 1/4	М
16	Headset Profile (HSP)	[16]	[16] HSP	М
16a	Audio Gateway (AG) (HSP)	[16]	[16] HSP 1/1	М
16b	Headset (HS)	[16]	[16] HSP 1/2	М
17	Message Access Profile (MAP)	[17]	[17] MAP	М
17a	Messaging Server Equipment	[17]	[17] MAP 1/1	М
17b	Notification (MCE)	[17]	[17] MAP 2/1	М
18	Multi-Profile Specification (MPS)	[18]	[18] MPS	М
19	Object Push Profile (OPP)	[19]	[19] OPP	М
19a	Object Push Server	[19]	[19] OPP 1/2	М
20	Personal Area Networking (PAN)	[20]	[20] PAN	М
20a	Network Access Point	[20]	[20] PAN 1/1	М
20b	Group Ad-hoc Network	[20]	[20] PAN 1/2	М
20c	PANU Service Record	[20]	[20] PAN 4/15	М
21	Phone Book Access Profile (PBAP)	[21]	[21] PBAP	М
21a	PCE	[21]	[21] PBAP 1/1	М
21b	PSE	[21]	[21] PBAP 1/2	Μ
22	SIM Access Profile (SAP)	[22]	[22] SAP	M
22a	SIM Access Server (Server)	[22]	[22] SAP 1/2	Μ

ltem	Feature	Reference	Inter-Layer Prerequisite	Status
23	Serial Port Profile (SPP)	[23]	[23] SPP	М
23a	SPP as a standalone profile – Device B (DevB)	[23]	[23] SPP 2/1b	Μ
24	Synchronization Profile (SYNC)	[24]	[24] SYNC	М
24a	IrMC Server	[24]	[24] SYNC 1/2	М
24b	Sync command (IrMC Client)	[24]	[24] SYNC 2/10	М
25	Video Distribution Profile (VDP)	[25]	[25] VDP	М
25a	Source (VDP)	[25]	[25] VDP 1/1	Μ
25b	Sink (VDP)	[25]	[25] VDP 1/2	М

#### Table 1a (auto-fill): Implementation of at Least One Traditional Profile

ltem	Feature	Reference	Inter-Layer Prerequisite	Status
1	Implementation of at least one traditional profile	N/A	N/A	C.1

C.1: Mandatory IF at least one Traditional Profile in Table 1 is supported, otherwise Excluded.

## 1.4 GATT-based Services

All GATT-based services defined in the Assigned Numbers document [87] are listed in Table 2.

The "Inter-Layer Prerequisite" column used in the table below specifies a prerequisite for each item. Thus, for example, Table 2, Item 2a (Audio Input Control Service (AICS) over BR/EDR), is excluded unless AICS 1/1 is true; otherwise, the item is mandatory. Furthermore, in those instances where the Status column has a condition that excludes the item, the reference in the "Inter-Layer Prerequisite" column must be false.

Table 2 (auto-fill): GATT-Based Services

ltem	Feature*	Reference	Inter-Layer Prerequisite	Status
1a	Authorization Control Service (ACS) over BR/EDR	[26]	[26] ACS 2/1	Μ
1b	Authorization Control Service (ACS) over LE	[26]	[26] ACS 2/2	Μ
2a	Audio Input Control Service (AICS) over BR/EDR	[27]	[27] AICS 1/1	Μ
2b	Audio Input Control Service (AICS) over LE	[27]	[27] AICS 1/2	М
3a	Automation IO Service (AIOS) over BR/EDR	[28]	[28] AIOS 1/1	Μ
3b	Automation IO Service (AIOS) over LE	[28]	[28] AIOS 1/2	Μ
4a	Alert Notification Service (ANS) over BR/EDR	[29]	[29] ANS 1/1	C.1
4b	Alert Notification Service (ANS) over LE	[29]	[29] ANS 1/2	Μ
5a	Audio Stream Control Service (ASCS) over BR/EDR	[30]	[30] ASCS 2/1	Μ



Item	Feature*	Reference	Inter-Layer Prerequisite	Status
5b	Audio Stream Control Service (ASCS) over LE	[30]	[30] ASCS 2/2	М
6a	Battery Service (BAS) over BR/EDR	[31]	[31] BAS 1/1	М
6b	Battery Service (BAS) over LE	[31]	[31] BAS 1/2	М
7a	Broadcast Audio Scan Service (BASS) over BR/EDR	[32]	[32] BASS 2/1	М
7b	Broadcast Audio Scan Service (BASS) over LE	[32]	[32] BASS 2/2	М
8a	Body Composition Service (BCS) over BR/EDR	[33]	[33] BCS 2/1	М
8b	Body Composition Service (BCS) over LE	[33]	[33] BCS 2/2	М
9a	Blood Pressure Service (BLS) over BR/EDR	[34]	[34] BLS 1/1	C.1
9b	Blood Pressure Service (BLS) over LE	[34]	[34] BLS 1/2	М
10a	Bond Management Service (BMS) over BR/EDR	[35]	[35] BMS 2/1	М
10b	Bond Management Service (BMS) over LE	[35]	[35] BMS 2/2	М
11a	Binary Sensor Service (BSS) over BR/EDR	[36]	[36] BSS 2/1	C.1
11b	Binary Sensor Service (BSS) over LE	[36]	[36] BSS 2/2	М
12a	Common Audio Service (CAS) over BR/EDR	[37]	[37] CAS 2/1	М
12b	Common Audio Service (CAS) over LE	[37]	[37] CAS 2/2	Μ
13a	Continuous Glucose Monitoring Service (CGMS) over BR/EDR	[38]	[38] CGMS 1/1	М
13b	Continuous Glucose Monitoring Service (CGMS) over LE	[38]	[38] CGMS 1/2	М
14a	Cycling Power Service (CPS) over BR/EDR	[39]	[39] CPS 1/1	М
14b	Cycling Power Service (CPS) over LE	[39]	[39] CPS 1/2	М
15a	Cycling Speed and Cadence Service (CSCS) over BR/EDR	[40]	[40] CSCS 1/1	М
15b	Cycling Speed and Cadence Service (CSCS) over LE	[40]	[40] CSCS 1/2	М
16a	Coordinated Set Identification Service (CSIS) over BR/EDR	[41]	[41] CSIS 1/1	М
16b	Coordinated Set Identification Service (CSIS) over LE	[41]	[41] CSIS 1/2	М
17a	Constant Tone Extension Service (CTES) over BR/EDR	[42]	[42] CTES 1/1	C.1
17b	Constant Tone Extension Service (CTES) over LE	[42]	[42] CTES 1/2	М
18a	Current Time Service (CTS) over BR/EDR	[43]	[43] CTS 1/1	М
18b	Current Time Service (CTS) over LE	[43]	[43] CTS 1/2	М
19a	Device Information Service (DIS) over BR/EDR	[44]	[44] DIS 1/1	М
19b	Device Information Service (DIS) over LE	[44]	[44] DIS 1/2	М

Item	Feature*	Reference	Inter-Layer Prerequisite	Status
20a	Device Time Service (DTS) over BR/EDR	[45]	[45] DTS 1/1	М
20b	Device Time Service (DTS) over LE	[45]	[45] DTS 1/2	М
21a	Emergency Configuration Service (EMCS) over BR/EDR	[46]	[46] EMCS 2/1	C.1
21b	Emergency Configuration Service (EMCS) over LE	[46]	[46] EMCS 2/2	М
22a	Electronic Shelf Label Service (ESLS) over BR/EDR	[47]	[47] ESLS 2/1	C.1
22b	Electronic Shelf Label Service (ESLS) over LE	[47]	[47] ESLS 2/2	Μ
23a	Environmental Sensing Service (ESS) over BR/EDR	[48]	[48] ESS 2/1	Μ
23b	Environmental Sensing Service (ESS) over LE	[48]	[48] ESS 2/2	Μ
24a	Elapsed Time Service (ETS) over BR/EDR	[49]	[49] ETS 2/1	М
24b	Elapsed Time Service (ETS) over LE	[49]	[49] ETS 2/2	М
63a	Gaming Audio Service (GMAS) over BR/EDR	[86]	[86] GMAP 108/2	Μ
63b	Gaming Audio Service (GMAS) over LE	[86]	[86] GMAP 108/1	М
25a	Fitness Machine Service (FTMS) over BR/EDR	[50]	[50] FTMS 2/1	Μ
25b	Fitness Machine Service (FTMS) over LE	[50]	[50] FTMS 2/2	М
26a	Generic Health Sensor Service (GHSS) over BR/EDR	[51]	[51] GHSS 2/1	Μ
26b	Generic Health Sensor Service (GHSS) over LE	[51]	[51] GHSS 2/2	Μ
27a	Glucose Service (GLS) over BR/EDR	[52]	[52] GLS 1/1	C.1
27b	Glucose Service (GLS) over LE	[52]	[52] GLS 1/2	М
28a	Generic Media Control Service (GMCS) over BR/EDR	[64]	[64] MCS 21/1	Μ
28b	Generic Media Control Service (GMCS) over LE	[64]	[64] MCS 21/2	Μ
29a	Generic Telephone Bearer Service (GTBS) over BR/EDR	[76]	[76] TBS 21/1	Μ
29b	Generic Telephone Bearer Service (GTBS) over LE	[76]	[76] TBS 21/2	Μ
30a	Hearing Access Service (HAS) over BR/EDR	[53]	[53] HAS 2/1	C.1
30b	Hearing Access Service (HAS) over LE	[53]	[53] HAS 2/2	М
31a	HID Service (HIDS) over BR/EDR	[54]	[54] HIDS 1/1	C.1
31b	HID Service (HIDS) over LE	[54]	[54] HIDS 1/2	М
32a	HTTP Proxy Service (HPS) over BR/EDR	[55]	[55] HPS 1/1	М
32b	HTTP Proxy Service (HPS) over LE	[55]	[55] HPS 1/2	М
33a	Heart Rate Service (HRS) over BR/EDR	[56]	[56] HRS 1/1	C.1

Item	Feature*	Reference	Inter-Layer Prerequisite	Status
33b	Heart Rate Service (HRS) over LE	[56]	[56] HRS 1/2	М
34a	Health Thermometer Service (HTS) over BR/EDR	[57]	[57] HTS 1/1	C.1
34b	Health Thermometer Service (HTS) over LE	[57]	[57] HTS 1/2	М
35a	Immediate Alert Service (IAS) over BR/EDR	[58]	[58] IAS 1/1	C.1
35b	Immediate Alert Service (IAS) over LE	[58]	[58] IAS 1/2	М
61a	Industrial Measurement Device Service (IMDS) over BR/EDR	[84]	[84] IMDS 2/1	М
61b	Industrial Measurement Device Service (IMDS) over LE	[84]	[84] IMDS 2/2	М
36a	Insulin Delivery Service (IDS) over BR/EDR	[59]	[59] IDS 1/1	C.1
36b	Insulin Delivery Service (IDS) over LE	[59]	[59] IDS 1/2	М
37a	Indoor Positioning Service (IPS) over BR/EDR	[60]	[60] IPS 3/1	М
37b	Indoor Positioning Service (IPS) over LE	[60]	[60] IPS 3/2	М
38a	IP Support Service Declaration (Internet Protocol Support Service (IPSS)) over BR/EDR	[61]	[61] IPSP 2/2 AND IPSP 3/1	C.1
38b	IP Support Service Declaration (Internet Protocol Support Service (IPSS)) over LE	[61]	[61] IPSP 2/1 AND IPSP 3/1	М
39a	Link Loss Service (LLS) over BR/EDR	[62]	[62] LLS 1/1	C.1
39b	Link Loss Service (LLS) over LE	[62]	[62] LLS 1/2	М
40a	Location and Navigation Service (LNS) over BR/EDR	[63]	[63] LNS 1/1	М
40b	Location and Navigation Service (LNS) over LE	[63]	[63] LNS 1/2	М
41a	Media Control Service (MCS) over BR/EDR	[64]	[64] MCS 1/1	М
41b	Media Control Service (MCS) over LE	[64]	[64] MCS 1/2	М
42a	Microphone Control Service (MICS) over BR/EDR	[65]	[65] MICS 1/1	М
42b	Microphone Control Service (MICS) over LE	[65]	[65] MICS 1/2	М
43a	Next DST Change Service (NDCS) over BR/EDR	[66]	[66] NDCS 1/1	C.1
43b	Next DST Change Service (NDCS) over LE	[66]	[66] NDCS 1/2	М
44a	Object Transfer Service (OTS) over BR/EDR	[67]	[67] OTS 2/2	М
44b	Object Transfer Service (OTS) over LE	[67]	[67] OTS 2/1	М
45a	Published Audio Capabilities Service (PACS) over BR/EDR	[68]	[68] PACS 2/1	М
45b	Published Audio Capabilities Service (PACS) over LE	[68]	[68] PACS 2/2	М
46a	Physical Activity Monitor Service (PAMS) over BR/EDR	[69]	[69] PAMS 1/1	М



ltem	Feature*	Reference	Inter-Layer Prerequisite	Status
46b	Physical Activity Monitor Service (PAMS) over LE	[69]	[69] PAMS 1/2	Μ
47a	Phone Alert Status Service (PASS) over BR/EDR	[70]	[70] PASS 1/1	C.1
47b	Phone Alert Status Service (PASS) over LE	[70]	[70] PASS 1/2	М
48a	Pulse Oximeter Service (PLXS) over BR/EDR	[71]	[71] PLXS 1/1	Μ
48b	Pulse Oximeter Service (PLXS) over LE	[71]	[71] PLXS 1/2	М
62a	Ranging Service (RAS) over BR/EDR	[85]	[85] RAS 1/1	C.1
62b	Ranging Service (RAS) over LE	[85]	[85] RAS 1/2	М
49a	Reconnection Configuration Service (RCS) over BR/EDR	[72]	[72] RCS 2/2	C.1
49b	Reconnection Configuration Service (RCS) over LE	[72]	[72] RCS 2/1	Μ
50a	Running Speed and Cadence Service (RSCS) over BR/EDR	[73]	[73] RSCS 1/1	Μ
50b	Running Speed and Cadence Service (RSCS) over LE	[73]	[73] RSCS 1/2	Μ
51a	Reference Time Update Service (RTUS) over BR/EDR	[74]	[74] RTUS 1/1	C.1
51b	Reference Time Update Service (RTUS) over LE	[74]	[74] RTUS 1/2	М
52a	Scan Parameters Service (SCPS) over BR/EDR	[75]	[75] SCPS 1/1	C.1
52b	Scan Parameters Service (SCPS) over LE	[75]	[75] SCPS 1/2	М
53a	Telephone Bearer Service (TBS) over BR/EDR	[76]	[76] TBS 1/1	Μ
53b	Telephone Bearer Service (TBS) over LE	[76]	[76] TBS 1/2	М
54a	Transport Discovery Service (TDS) over BR/EDR	[77]	[77] TDS 2/2	Μ
54b	Transport Discovery Service (TDS) over LE	[77]	[77] TDS 2/1	М
55a	Telephony and Media Audio Service (TMAS) over BR/EDR	[78]	[78] TMAP 154/2	Μ
55b	Telephony and Media Audio Service (TMAS) over LE	[78]	[78] TMAP 154/1	Μ
56a	Tx Power Service (TPS) over BR/EDR	[79]	[79] TPS 1/1	C.1
56b	Tx Power Service (TPS) over LE	[79]	[79] TPS 1/2	М
57a	User Data Service (UDS) over BR/EDR	[80]	[80] UDS 2/1	Μ
57b	User Data Service (UDS) over LE	[80]	[80] UDS 2/2	М
58a	Volume Control Service (VCS) over BR/EDR	[81]	[81] VCS 1/1	Μ
58b	Volume Control Service (VCS) over LE	[81]	[81] VCS 1/2	М
59a	Volume Offset Control Service (VOCS) over BR/EDR	[82]	[82] VOCS 1/1	Μ

ltem	Feature*	Reference	Inter-Layer Prerequisite	Status
59b	Volume Offset Control Service (VOCS) over LE	[82]	[82] VOCS 1/2	Μ
60a	Weight Scale Service (WSS) over BR/EDR	[83]	[83] WSS 2/1	Μ
60b	Weight Scale Service (WSS) over LE	[83]	[83] WSS 2/2	Μ

C.1: Excluded for this Service.

\* Table is ordered alphabetically by Feature.

#### Table 2a (auto-fill): Implementation of at Least One GATT-Based Service

ltem	Feature	Reference	Inter-Layer Prerequisite	Status
1	Implementation of at least one GATT-based service over BR/EDR	N/A	N/A	C.1
2	Implementation of at least one GATT-based service over LE	N/A	N/A	C.2

C.1: Mandatory IF at least one GATT-Based Service supported over BR/EDR in Table 2 is supported, otherwise Excluded.

C.2: Mandatory IF at least one GATT-Based Service supported over LE in Table 2 is supported, otherwise Excluded.



## 2 References

- [1] ICS Proforma for 3D Synchronization Profile (3DSP)
- [2] ICS Proforma for Advanced Audio Distribution Profile (A2DP)
- [3] ICS Proforma for Audio/Video Remote Control Profile (AVRCP)
- [4] ICS Proforma for Basic Imaging Profile (BIP)
- [5] ICS Proforma for Basic Printing Profile (BPP)
- [6] ICS Proforma for Calendar, Tasks and Notes Profile (CTN)
- [7] ICS Proforma for Device ID (DID)
- [8] ICS Proforma for Dial-up Networking Profile (DUN)
- [9] ICS Proforma for File Transfer Profile (FTP)
- [10] ICS Proforma for Global Navigation Satellite System Profile (GNSS)
- [11] ICS Proforma for Hardcopy Cable Replacement Profile (HCRP)
- [12] ICS Proforma for Health Device Profile (HDP)
- [13] ICS Proforma for Hands-Free Profile (HFP)
- [14] ICS Proforma for Human Interface Device Profile 1.0 (HID)
- [15] ICS Proforma for Human Interface Device Profile 1.1 or later (HID11)
- [16] ICS Proforma for Headset Profile (HSP)
- [17] ICS Proforma for Message Access Profile (MAP)
- [18] ICS Proforma for Multi-Profile Specification (MPS)
- [19] ICS Proforma for Object Push Profile (OPP)
- [20] ICS Proforma for Personal Area Networking Profile (PAN)
- [21] ICS Proforma for Phone Book Access Profile (PBAP)
- [22] ICS Proforma for SIM Access Profile (SAP)
- [23] ICS Proforma for Serial Port Profile (SPP)
- [24] ICS Proforma for Synchronization Profile (SYNC)
- [25] ICS Proforma for Video Distribution Profile (VDP)
- [26] ICS Proforma for Authorization Control Service (ACS)
- [27] ICS Proforma for Audio Input Control Service (AICS)
- [28] ICS Proforma for Automation IO Service (AIOS)
- [29] ICS Proforma for Alert Notification Service (ANS)
- [30] ICS Proforma for Audio Stream Control Service (ASCS)
- [31] ICS Proforma for Battery Service (BAS)
- [32] ICS Proforma for Broadcast Audio Scan Service (BASS)
- [33] ICS Proforma for Body Composition Service (BCS)

- [34] ICS Proforma for Blood Pressure Service (BLS)
- [35] ICS Proforma for Bond Management Service (BMS)
- [36] ICS Proforma for Binary Sensor Service (BSS)
- [37] ICS Proforma for Common Audio Service (CAS)
- [38] ICS Proforma for Continuous Glucose Monitoring Service (CGMS)
- [39] ICS Proforma for Cycling Power Service (CPS)
- [40] ICS Proforma for Cycling Speed and Cadence Service (CSCS)
- [41] ICS Proforma for Coordinated Set Identification Service (CSIS)
- [42] ICS Proforma for Constant Tone Extension Service (CTES)
- [43] ICS Proforma for Current Time Service (CTS)
- [44] ICS Proforma for Device Information Service (DIS)
- [45] ICS Proforma for Device Time Service (DTS)
- [46] ICS Proforma for Emergency Configuration Service (EMCS)
- [47] ICS Proforma for Electronic Shelf Label Service (ESLS)
- [48] ICS Proforma for Environmental Sensing Service (ESS)
- [49] ICS Proforma for Elapsed Time Service (ETS)
- [50] ICS Proforma for Fitness Machine Service (FTMS)
- [51] ICS Proforma for Generic Health Sensor Service (GHSS)
- [52] ICS Proforma for Glucose Service (GLS)
- [53] ICS Proforma for Hearing Access Service (HAS)
- [54] ICS Proforma for HID Service (HIDS)
- [55] ICS Proforma for HTTP Proxy Service (HPS)
- [56] ICS Proforma for Heart Rate Service (HRS)
- [57] ICS Proforma for Health Thermometer Service (HTS)
- [58] ICS Proforma for Immediate Alert Service (IAS)
- [59] ICS Proforma for Insulin Delivery Service (IDS)
- [60] ICS Proforma for Indoor Positioning Service (IPS)
- [61] ICS Proforma for Internet Protocol Support Profile (IPSP)
- [62] ICS Proforma for Link Loss Service (LLS)
- [63] ICS Proforma for Location and Navigation Service (LNS)
- [64] ICS Proforma for Media Control Service (MCS)
- [65] ICS Proforma for Microphone Control Service (MICS)
- [66] ICS Proforma for Next DST Change Service (NDCS)
- [67] ICS Proforma for Object Transfer Service (OTS)
- [68] ICS Proforma for Published Audio Capabilities Service (PACS)

- [69] ICS Proforma for Physical Activity Monitor Service (PAMS)
- [70] ICS Proforma for Phone Alert Status Service (PASS)
- [71] ICS Proforma for Pulse Oximeter Service (PLXS)
- [72] ICS Proforma for Reconnection Configuration Service (RCS)
- [73] ICS Proforma for Running Speed and Cadence Service (RSCS)
- [74] ICS Proforma for Reference Time Update Service (RTUS)
- [75] ICS Proforma for Scan Parameters Service (SCPS)
- [76] ICS Proforma for Telephone Bearer Service (TBS)
- [77] ICS Proforma for Transport Discovery Service (TDS)
- [78] ICS Proforma for Telephony and Media Audio Profile (TMAP)
- [79] ICS Proforma for Tx Power Service (TPS)
- [80] ICS Proforma for User Data Service (UDS)
- [81] ICS Proforma for Volume Control Service (VCS)
- [82] ICS Proforma for Volume Offset Control Service (VOCS)
- [83] ICS Proforma for Weight Scale Service (WSS)
- [84] ICS Proforma for Industrial Measurement Device (IMDS)
- [85] ICS Proforma for Ranging Service (RAS)
- [86] ICS Proforma for Gaming Audio Profile (GMAP)
- [87] Bluetooth SIG Assigned Numbers



# 3 Revision history and acknowledgments

#### **Revision History**

Publication Number	Revision Number	Date	Comments
	p0r00-r04	2023-08-16 – 2023-12-20	TSE 18945 (rating 2): New document to cover IOPT ICS needs. TSE 24239 (rating 4): Added IOPT ICS items 1a/1 and 2a/1 to simplify the TCMT for IOPT tests that apply when at least one SDP record or GATT service is present in the database. Updated the document to align with latest standards.
0	p0	2024-07-01	Approved by BTI on 2024-05-22. Prepared for TCRL 2024-1 publication.
	p1r00	2024-10-02	Incorporated IOPT-related CR supporting the IMDS v1.0 adoption.
1	p1	2024-10-22	Approved by BTI on 2024-10-13. IMDS v1.0 adopted by the BoD on 2024-10-15. Prepared for supporting publication.
	p2r00	2024-10-30	Incorporated IOPT-related CR supporting the RAS v1.0 adoption.
2	p2	2024-11-19	Approved by BTI on 2024-11-10. RAS v1.0 adopted by the BoD on 2024-11-12. Prepared for supporting publication.
	p2ed2r00	2024-12-05	TSE 26787 (rating 1): Relocated Tables 1a and 2a to follow Tables 1 and 2, respectively, to enable proper Qualification Workspace operation. In Table 1, updated the feature value for Items 1/7, 1/10, 1/14, 1/15, and 1/20. In Table 2, updated the introductory text; updated the status value for Items 2/4a, 2/4b, 2/9a, 2/9b, 2/11a, 2/11b, 2/17a, 2/17b, 2/21a, 2/21b, 2/22a, 2/22b, 2/27a, 2/27b, 2/30a, 2/30b, 2/31a, 2/31b, 2/33a, 2/33b, 2/34a, 2/34b, 2/35a, 2/35b, 2/36a, 2/36b, 2/38a, 2/38b, 2/39a, 2/39b, 2/43a, 2/43b, 2/47a, 2/47b, 2/49a, 2/49b, 2/51a, 2/51b, 2/52a, 2/52b, 2/56a, and 2/56b; updated the inter-layer prerequisite values for 2/38a, 2/38b, 2/44a, 2/44b, 2/49a, 2/49b, 2/54a, 2/54b, 2/55a, 2/55b, and 2/59b; deleted Items 2/55c and 2/55d; and added Items 2/63a and 2/63b. Swapped Items 1 and 2 in Table 2a. Updated the references list. Editorial updates to align the document with the latest ICS template.
	p2 edition 2	2025-01-08	Approved by BTI on 2025-01-08. Prepared for edition 2 publication.

#### Acknowledgments

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