Basic Printing Profile (BPP)

Bluetooth® Implementation Conformance Statement (ICS) Proforma

- ▪ **Revision:** BPP.ICS.p3
- ▪ **Revision Date:** 2024-07-01
- ▪ **Prepared By:** BTI
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Contents

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	BPP v1.0**	[1] BPP v1.0	Deprecated 2023-02-01. Withdrawn 2025-02-01.
2	BPP v1.2	[2] BPP v1.2	M

1.3   Roles

Table 1: Role Requirements

Item	Role	Reference	Status
1	Printer (Pr)	[2] 2.2	C.1
2	Sender Device (SD)	[2] 2.2	C.1

C.1:   Mandatory to support at least one.

1.4   Printer Role

Table 2: Basic application capabilities (Pr)

Prerequisite: BPP 1/1 "Printer (Pr)"

Item	Capability	Reference	Status
	Discovery and Connection Setup		
1	Public Online Mode	[2] 3	M
2	Private Online Mode	[2] 3	O
2a	General Discoverable Mode	[2] 3	C.3
2b	Limited Discoverable Mode	[2] 3	C.3
3	Bluetooth Offline Mode	[2] 3	O
4	Bonding / Authentication Response	[2] 3	M
5	Bonding / Authentication initiation	[2] 3	O
6	Respond to SD Query	[2] 12.3	M
	OBEX Authentication		
7	OBEX Authentication supported	[2] 2.4	O
	Simple Push		
8	Simple Push of XHTML-Print content	[2] 6	M
	Job-Based Transfer		
9	CreateJob	[2] 7.1.2	M
9a	SendDocument	[2] 7.1.3	M
10	GetJobAttributes	[2] 7.1.4	M
11	GetPrinterAttributes	[2] 7.1.1	M

** Deprecated versions may not appear in the Bluetooth SIG qualification tool after the deprecation date. TCRLs published after this date will not allow the use of deprecated versions.

Item	Capability	Reference	Status
12	CancelJob	[2] 7.1.5	M
13	GetEvent	[2] 7.1.7	M
14	GetReferencedObjects	[2] 7.1.6	M
	Object Formats		
	XHTML-Print		
15	XHTML-Print supported	[2] 10.2	M
	vCard		
16	Support for vCard 2.1	[2] 10.4	O
17	Support for multiple vCards per page	[2] 10.4	O
18	Support for alternate format	[2] 10.4	O
	vCalendar		
19	Support for vCalendar 1.0	[2] 10.5	O
20	Alternate view	[2] 10.5	O
21	Daily view	[2] 10.5	O
22	Weekly view	[2] 10.5	O
23	Monthly view	[2] 10.5	O
24	Support for printing several layouts per page	[2] 10.5	O
	vMessage		
25	vMessage v1.1 supported	[2] 10.6	O
	Basic Text		
26	Basic text format supported	[2] 10.3	O
	Other Formats		
27	Other formats supported	[2] 12.2.2	O
	International		
28	Other character repertoires supported	[2] 12.2.3	O
	Enhanced Layout		
29	Enhanced Layout support	[2] 7.2	O
	Print by Reference		
30	Print by Reference Support	[2] 8	O
	Reflected UI		
31	Reflected UI Support	[2] 9	O
32	Support for Administrative RUI Service	[2] 9.7	C.1
33	Supports PBR RUI Service	[2] 9.8	C.1
34	Supports Direct Printing RUI Service	[2] 9.9	C.1
35	Supports CancelJob	[2] 9.7	O
36	Supports Status Reporting	[2] 9.7	O
37	Support of HTML format for RUI	[2] 9.2	C.2
38	Support of CHTML format for RUI	[2] 9.2	C.2
39	Support of WML format for RUI	[2] 9.2	C.2

C.1: Mandatory to support at least one IF BPP 2/31 "Reflected UI Support", otherwise Optional.

C.2:   Mandatory to support at least one IF BPP 2/31 "Reflected UI Support", otherwise Optional.

C.3:   Mandatory to support at least one.

1.5   Sender Device Role

Table 3: Basic application capabilities (SD)

Prerequisite: BPP 1/2 "Sender Device (SD)"

Item	Capability	Reference	Status
	Discovery and Connection Setup		
1	General Inquiry	[2] 3	M
2	Limited Inquiry	[2] 3	O
3	Name Discovery	[2] 3	O
4	Device Discovery	[2] 3	O
5	Bonding / Authentication response	[2] 3	M
6	Bonding / Authentication initiation	[2] 3	O
7	Perform SD Query	[2] 12.3	M
	OBEX Authentication		
8	OBEX Authentication supported	[2] 11	M
	Simple Push		
9	Simple Push of XHTML-Print content	[2] 6	C.1
	Job-Based Transfer		
10	Job control-based XHTML-Print printing	[2] 7	C.1
11	CreateJob, default attributes	[2] 7.1.2	C.2
12	CreateJob, non-default attributes	[2] 7.1.2	C.2
13	Default GetJobAttributes over Status Channel	[2] 7.1.4	O
13a	Requested GetJobAttributes over Status Channel	[2] 7.1.4	O
14	Default GetPrinterAttributes over Job Channel	[2] 7.1.1	O
14a	Default GetPrinterAttributes over Status Channel	[2] 7.1.1	O
14b	Requested GetPrinterAttributes over Job Channel	[2] 7.1.1	O
14c	Requested GetPrinterAttributes over Status Channel	[2] 7.1.1	O
15	CancelJob over Status Channel	[2] 7.1.5	O
15a	CancelJob over Job Channel	[2] 7.1.5	O
16	GetEvent	[2] 7.1.7	O
17	GetReferencedObjects	[2] 7.1.6	C.3
	Object Formats		
	XHTML-Print		
18	Support for limited application-specific content	[2] 10.2	M
19	Ability to send document with externally generated content.	[2] 10.2	O
20	Ability to send content with referenced images	[2] 10.7, 7.1.6	O
	vCard		
21	Support for vCard 2.1	[2] 10.4	O

Item	Capability	Reference	Status
22	Ability to specify Cards per page	[2] 10.4	O
23	Ability to specify card layout	[2] 10.4	O
	vCalendar		
24	Support for vCalendar 1.0	[2] 10.5	O
25	Alternate view	[2] 10.5	O
26	Daily view	[2] 10.5	O
27	Weekly view	[2] 10.5	O
28	Monthly view	[2] 10.5	O
29	Ability to specify number of layouts per page	[2] 10.5	O
	vMessage		
30	vMessage v1.1 supported	[2] 10.6	O
	Basic Text		
31	Basic text format supported	[2] 10.3	O
	Other Formats		
32	Other formats supported	[2] 12.2.2	O
	International		
33	Other character repertoires supported	[2] 12.2.3	O
	Enhanced Layout		
34	CreatePreciseJob, supported attributes	[2] 7.2	O
34a	CreatePreciseJob , unsupported attributes	[2] 7.2	O
35	GetMargins, results presented to User	[2] 7.2	O
35a	XHTML-Print Enhanced Layout	[2] 7.2	O
	Print by Reference		
36	Support for Print by Reference	[2] 8	O
37	Simple Reference	[2] 8.4.1	C.4
38	XML Reference	[2] 8.4.2	C.4
39	List of References	[2] 8.4.3	C.4
40	Authentication Challenge	[2] 8.7	O
41	Simple Push based PBR	[2] 8.6	C.5
42	Job Control based PBR	[2] 8.8	C.5
	Reflected UI		
43	Reflected UI support	[2] 9	O
44	Supports use of Administrative RUI	[2] 9.7	C.6
45	Supports the PBR RUI Service	[2] 9.8	C.6
46	Supports the Direct Printing RUI Service	[2] 9.9	C.6
47	Support of HTML format for RUI	[2] 9.2	C.7
48	Support of CHTML format for RUI	[2] 9.2	C.7
49	Support of WML format for RUI	[2] 9.2	C.7
50	RUI CancelJob	[2] 9.7	O

C.1:   Mandatory to support at least one.

C.2: Mandatory to support at least one IF BPP 3/10 "Job control-based XHTML-Print printing", otherwise Optional.

C.3: Mandatory IF BPP 3/20 "Ability to send content with referenced images", otherwise Optional.

C.4: Mandatory to support at least one IF BPP 3/36 "Support for Print by Reference", otherwise Optional.

C.5: Mandatory to support at least one IF BPP 3/36 "Support for Print by Reference", otherwise Optional.

C.6: Mandatory to support at least one IF BPP 3/43 "Reflected UI support", otherwise Optional.

C.7: Mandatory to support at least one IF BPP 3/43 "Reflected UI support", otherwise Optional.

1.6   GAP requirements

Table 4: No longer used

Table 4a: GAP Requirements PR

Prerequisite: BPP 1/1 "Printer (Pr)"

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Bondable mode	[1] 2.4	M	[3] GAP 1/7

Table 4b: GAP Requirements SD

Prerequisite: BPP 1/2 "Sender Device (SD)"

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Bondable mode	[1] 2.4	M	[3] GAP 1/7

2   References

[1]   Basic Printing Profile, Version 1.0

[2]   Basic Printing Profile, Version 1.2 or later

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

3 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
0	1.2.2	2006-02-14	Publication version
	1.2.3r0	2008-02-21	TSE 2350: Add 15a to Table 3
1	1.2.3	2008-04-01	Prepare for publication.
	1.2.4r00	2017-03-16	TSE 8399: Template conversion, added Table 0, added Table 3 pre-requisite and minor editorial changes.
2	1.2.4	2017-07-03	Approved by BTI. Prepared for TCRL 2017-1 publication.
	1.2.4ed2r00	2021-10-14	TSE 17689 (rating 1): Updated deprecation and withdrawal information and performed consistency checker and template-related editorials.
	1.2.4 edition 2	2021-11-24	Approved by BTI on 2021-11-08. Prepared for edition 2 publication.
	p3r00–01	2023-10-11 – 2023-11-27	TSE 23939 (rating 2): Resolved GAP inter-layer dependencies. In Table 0, marked Item 1 as Deprecated, updated the Status value for Items 1 and 2, and deleted C.1 and C.2. In Table 1, updated C.1. In Table 2, updated C.1–C.3. In Table 3, updated C.1–C.7. Marked Table 4 as no longer used. Added Tables 4a and 4b, and from Table 4a deleted C.1 and reference [4] because not needed. Deleted section headings for Basic application capabilities (Pr), Basic application capabilities (SD), and Requirements toward other Profiles. Updated to align with the latest ICS template, including updates to the IUT identification section. Updated references, and updated the copyright page to the latest standard.
3	p3	2024-07-01	Approved by BTI on 2024-05-22. Prepared for TCRL 2024-1 publication.

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