Basic Imaging Profile (BIP)

Bluetooth® Implementation Conformance Statement (ICS) Proforma

- Revision: BIP.ICS.p11
- Revision Date: 2025-07-08
- Prepared By: BTI
- Published during TCRL: TCRL.pkg100



This document, regardless of its title or content, is not a Bluetooth Specification as defined in the Bluetooth Patent/Copyright License Agreement ("PCLA") and Bluetooth Trademark License Agreement. Use of this document by members of Bluetooth SIG is governed by the membership and other related agreements between Bluetooth SIG Inc. ("Bluetooth SIG") and its members, including the PCLA and other agreements posted on Bluetooth SIG's website located at <u>www.bluetooth.com</u>.

THIS DOCUMENT IS PROVIDED "AS IS" AND BLUETOOTH SIG, ITS MEMBERS, AND THEIR AFFILIATES MAKE NO REPRESENTATIONS OR WARRANTIES AND DISCLAIM ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY, TITLE, NON-INFRINGEMENT, FITNESS FOR ANY PARTICULAR PURPOSE, THAT THE CONTENT OF THIS DOCUMENT IS FREE OF ERRORS.

TO THE EXTENT NOT PROHIBITED BY LAW, BLUETOOTH SIG, ITS MEMBERS, AND THEIR AFFILIATES DISCLAIM ALL LIABILITY ARISING OUT OF OR RELATING TO USE OF THIS DOCUMENT AND ANY INFORMATION CONTAINED IN THIS DOCUMENT, INCLUDING LOST REVENUE, PROFITS, DATA OR PROGRAMS, OR BUSINESS INTERRUPTION, OR FOR SPECIAL, INDIRECT, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE DAMAGES, HOWEVER CAUSED AND REGARDLESS OF THE THEORY OF LIABILITY, AND EVEN IF BLUETOOTH SIG, ITS MEMBERS, OR THEIR AFFILIATES HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

This document is proprietary to Bluetooth SIG. This document may contain or cover subject matter that is intellectual property of Bluetooth SIG and its members. The furnishing of this document does not grant any license to any intellectual property of Bluetooth SIG or its members.

This document is subject to change without notice.

Copyright © 2002–2025 by Bluetooth SIG, Inc. The Bluetooth word mark and logos are owned by Bluetooth SIG, Inc. Other third-party brands and names are the property of their respective owners.



Contents

1	Gene	ral principles	.4
	1.1	Implementation Under Test (IUT) identification	.4
	1.2	Enforcement of inter-layer dependencies	.4
2	ICS c	leclarations	.5
	2.1	Versions	.5
	2.2	Core Configuration	.5
	2.3	Roles	.5
	2.4	Image Push Initiator Role	.6
	2.5	Image Push Responder Role	.6
	2.6	Image Pull Initiator Role	.7
	2.7	Image Pull Responder Role	.8
	2.8	Advanced Image Printing Initiator Role	.9
	2.9	Advanced Image Printing Responder Role	.9
	2.10	Automatic Archive Initiator Role	10
	2.11	Automatic Archive Responder Role	10
	2.12	Remote Camera Initiator Role	11
	2.13	Remote Camera Responder Role	12
	2.14	Remote Display Initiator Role	12
	2.15	Remote Display Responder Role	
	2.16	Requirements towards Other Profiles	14
	2.16.1		
	2.16.2	2 GOEP requirements	14
3	Refe	rences	17
4	Revis	sion history and acknowledgmentsŕ	18

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	BIP v1.0**	BIP v1.0	Deprecated 2021-02-01. Withdrawn 2023-02-01.
2	BIP v1.1**	BIP v1.1	Deprecated 2013-07-24. Withdrawn 2023-02-01.
3	BIP v1.2	BIP v1.2	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 2021-02-01. Withdrawn 2023-02-01.

Table 0b: X.Y.Z Versions

Item	Version	Reference	Status
1	BIP v1.0.1**	BIP v1.0.1	Deprecated 2023-02-01. Withdrawn 2025-02-01.
2	BIP v1.2.1	BIP v1.2.1	C.2

C.1: No longer used.

C.2: Mandatory IF BIP 0/3 "BIP v1.2", otherwise Excluded.

2.2 Core Configuration

Table 0c: Core Configuration Requirements

ltem	Core Configuration	Reference	Status
1	Profile supported over BR/EDR	[1] 1.1	C.1, C.3
2	Profile supported over LE	[1] 1.1	C.2

C.1: Excluded for this Profile IF CORE 41/2 "LE Core Configuration".

C.2: Excluded for this Profile.

C.3: Mandatory for this Profile.

2.3 Roles

Table 1: Role Requirements

Item	Role	Reference	Status
1	Image Push Initiator	[1] 2.2, 4.2	C.1
2	Image Push Responder	[1] 2.2, 4.2	C.1
3	Image Pull Initiator	[1] 2.2, 4.2	C.1
4	Image Pull Responder	[1] 2.2, 4.2	C.1

" 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	Role	Reference	Status
5	Advanced Image Printing Initiator	[1] 2.2, 4.2	0
6	Advanced Image Printing Responder (= Printer)	[1] 2.2, 4.2	0
7	Automatic Archive Initiator	[1] 2.2, 4.2	0
8	Automatic Archive Responder	[1] 2.2, 4.2	0
9	Remote Camera Initiator	[1] 2.2, 4.2	0
10	Remote Camera Responder	[1] 2.2, 4.2	0
11	Remote Display Initiator	[1] 2.2, 4.2	0
12	Remote Display Responder	[1] 2.2, 4.2	0

C.1: Mandatory to support at least one.

2.4 Image Push Initiator Role

Table 2: Image Push Initiator Functions Support

Prerequisite: BIP 1/1 "Image Push Initiator"

Item	Capability	Reference	Status
1	GetCapabilities	[1] 4.5.1	0
2	PutImage	[1] 4.5.2	Μ
3	PutLinkedThumbnail	[1] 4.5.3	Μ
4	PutLinkedAttachment	[1] 4.5.4	0

Table 3: PutImage Capabilities

Prerequisite: BIP 1/1 "Image Push Initiator"

ltem	Capability	Reference	Status
1	Push imaging thumbnails	[1] 4.4.3	C.1
2	Push images in various formats (imaging thumbnails may or may not be included)	[1] 4.4.2	C.1

C.1: Mandatory to support at least one.

2.5 Image Push Responder Role

Table 4: Image Push Responder Functions Support

Prerequisite: BIP 1/2 "Image Push Responder"

Item	Capability	Reference	Status
1	GetCapabilities	[1] 4.5.1	Μ
2	PutImage	[1] 4.5.2	Μ
3	PutLinkedThumbnail	[1] 4.5.3	0
4	PutLinkedAttachment	[1] 4.5.4	0



Table 5: PutImage Capabilities

Prerequisite: BIP 1/2 "Image Push Responder"

Item	Capability	Reference	Status
1	Acceptance of imaging thumbnails	[1] 4.4.3, 4.4.6.3	Μ
2	Acceptance of images in other formats	[1] 4.4.2, 4.4.6.3	0
3	Existence of a preferred image format	[1] 4.4.6.3	0

Table 6: PutLinkedThumbnail Capabilities

Prerequisite: BIP 1/2 "Image Push Responder"

ltem	Capability	Reference	Status
1	Partial Content response code is supported and used when necessary	[1] 4.5.2	0

2.6 Image Pull Initiator Role

Table 7: Image Pull Initiator Functions Support

Prerequisite: BIP 1/3 "Image Pull Initiator"

ltem	Capability	Reference	Status
1	GetCapabilities	[1] 4.5.1	0
2	GetImagesList	[1] 4.5.6	Μ
3	GetImageProperties	[1] 4.5.7	0
4	GetImage	[1] 4.5.8	C.1
5	GetLinkedThumbnail	[1] 4.5.9	C.1
6	GetLinkedAttachment	[1] 4.5.10	0
7	DeleteImage	[1] 4.5.11	0

C.1: Mandatory to support at least one.

Table 8: GetImagesList Capabilities

Prerequisite: BIP 1/3 "Image Pull Initiator"

Item	Capability	Reference	Status
1	Filtering is supported and used when requesting the images-listing object	[1] 4.4.7.1, 4.5.6	0
2	Retrieve the total number of images	[1] 4.5.6	0
3	Use the list of most recently captured images	[1] 4.5.6	0



Table 9: GetImage Capabilities

Prerequisite: BIP 1/3 "Image Pull Initiator"

Item	Capability	Reference	Status
1	Retrieve imaging thumbnails	[1] 4.4.3, 4.4.7.2	C.1
2	Retrieve images in a format other than imaging thumbnail	[1] 4.4.2, 4.4.7.2	C.1
3	Issue a request for native images (GetImages request with empty Img-Description header)	[1] 4.4.7.2	0

C.1: Mandatory to support at least one.

2.7 Image Pull Responder Role

Table 10: Image Pull Responder Functions Support

Prerequisite: BIP 1/4 "Image Pull Responder"

Item	Capability	Reference	Status
1	GetCapabilities	[1] 4.5.1	Μ
2	GetImagesList	[1] 4.5.6	Μ
3	GetImageProperties	[1] 4.5.7	Μ
4	GetImage	[1] 4.5.8	Μ
5	GetLinkedThumbnail	[1] 4.5.9	Μ
6	GetLinkedAttachment	[1] 4.5.10	0
7	DeleteImage	[1] 4.5.11	0

Table 11: Image Pull Responder Functions Support

Prerequisite: BIP 1/4 "Image Pull Responder"

Item	Capability	Reference	Status
1	All locally stored images are available in imaging thumbnail format	[1] 4.4.3	Μ
2	Images can be delivered in their native format	[1] 4.4.6.2	0
3	Images can be delivered in formats other than imaging Thumbnail and native	[1] 4.4.6.2, 4.4.7.1	0
4	Some images are available together with one or more attachments	[1] 4.4.6.2, 4.4.5	0

Table 12: Image Pull Responder Functions Support

Prerequisite: BIP 1/4 "Image Pull Responder"

Item	Capability	Reference	Status
1	Deletion of an image is accompanied by the deletion of all its attachments	[1] 4.5.11	0



Table 13: GetImagesList Capabilities

Prerequisite: BIP 1/4 "Image Pull Responder"

Item	Capability	Reference	Status
1	Support of the LatestCapturedImages capability	[1] 4.5.6	0
2	Support of the filtering parameters	[1] 4.4.7.1	0

2.8 Advanced Image Printing Initiator Role

Table 14: Advanced Image Printing Initiator Functions Support

Prerequisite: BIP 1/5 "Advanced Image Printing Initiator"

Item	Capability	Reference	Status
1	GetCapabilities (client side)	[1] 4.5.1	0
2	StartPrint (client side)	[1] 4.5.12	Μ
3	GetPartialImage (server side)	[1] 4.5.13	Μ
4	GetStatus (client side)	[1] 4.5.15	0

2.9 Advanced Image Printing Responder Role

Table 15: Advanced Image Printing Responder Functions Support

Prerequisite: BIP 1/6 "Advanced Image Printing Responder (= Printer)"

ltem	Capability	Reference	Status
1	GetCapabilities (server side)	[1] 4.5.1	Μ
2	StartPrint (server side)	[1] 4.5.12	Μ
3	GetPartialImage (client side)	[1] 4.5.13	Μ
4	GetStatus (server side)	[1] 4.5.15	Μ

Table 16: Advanced Image Printing Responder Functions Support

Prerequisite: BIP 1/6 "Advanced Image Printing Responder (= Printer)"

Item	Capability	Reference	Status
1	Standard print	[1] 4.4.6.3	0
2	Index print	[1] 4.4.6.3	0
3	Multiple image print	[1] 4.4.6.3	0
4	Specific size print	[1] 4.4.6.3	0
5	Number of sets	[1] 4.4.6.3	0
6	Character stamp	[1] 4.4.6.3	0
7	Trimming	[1] 4.4.6.3	0
8	Existence of a preferred format	[1] 4.4.6.3	0



2.10 Automatic Archive Initiator Role

Table 17: Automatic Archive Initiator Functions Support

Prerequisite: BIP 1/7 "Automatic Archive Initiator"

Item	Capability	Reference	Status
1	GetCapabilities (server side)	[1] 4.5.1	Μ
2	GetImagesList (server side)	[1] 4.5.6	Μ
3	GetImageProperties (server side)	[1] 4.5.7	Μ
4	GetImage (server side)	[1] 4.5.8	Μ
5	GetLinkedThumbnail (server side)	[1] 4.5.9	Μ
6	PutLinkedAttachment (server side)	[1] 4.5.10	0
7	Deletelmage (server side)	[1] 4.5.11	0
8	StartArchive (client side)	[1] 4.5.14	Μ
9	GetStatus (client side)	[1] 4.5.15	0

Table 18: GetImagesList Capabilities

Prerequisite: BIP 1/7 "Automatic Archive Initiator"

Item	Capability	Reference	Status
1	Support of the LatestCapturedImages capability	[1] 4.5.6	0
2	Support of the filtering parameters	[1] 4.4.7.1	0

2.11 Automatic Archive Responder Role

Table 19: Automatic Archive Responder Functions Support

Prerequisite: BIP 1/8 "Automatic Archive Responder"

ltem	Capability	Reference	Status
1	GetCapabilities (client side)	[1] 4.5.1	0
2	GetImagesList (client side)	[1] 4.5.6	Μ
3	GetImageProperties (client side)	[1] 4.5.7	0
4	GetImage (client side)	[1] 4.5.8	Μ
5	GetLinkedThumbnail (client side)	[1] 4.5.9	0
6	PutLinkedAttachment (client side)	[1] 4.5.10	0
7	Deletelmage (client side)	[1] 4.5.11	0
8	StartArchive (server side)	[1] 4.5.14	Μ
9	GetStatus (server side)	[1] 4.5.15	Μ



Table 20: GetImagesList Capabilities

Prerequisite: BIP 1/8 "Automatic Archive Responder"

Item	Capability	Reference	Status
1	Filtering is supported and used when requesting the images-listing object	[1] 4.5.6, 4.4.7.1	0
2	Retrieve the total number of images	[1] 4.5.6	0
3	Use the list of most recently captured images	[1] 4.5.6	0

Table 21: GetImage Capabilities

Prerequisite: BIP 1/8 "Automatic Archive Responder"

Item	Capability	Reference	Status
1	Retrieve imaging thumbnails	[1] 4.4.3, 4.4.7.2	C.1
2	Retrieve images in a format other than imaging thumbnail	[1] 4.4.2, 4.4.7.2	C.1
3	Issue a request for native images (GetImages request with empty Img-Description header)	[1] 4.4.7.2	0

C.1: Mandatory to support at least one.

2.12 Remote Camera Initiator Role

Table 22: Remote Camera Initiator Functions Support

Prerequisite: BIP 1/9 "Remote Camera Initiator"

Item	Capability	Reference	Status
1	GetMonitoringImage	[1] 4.5.16	М
2	GetImageProperties	[1] 4.5.7	0
3	GetImage	[1] 4.5.8	0
4	GetLinkedThumbnail	[1] 4.5.9	0

Table 23: GetImages Capabilities

Prerequisite: BIP 1/9 "Remote Camera Initiator"

Item	Capability	Reference	Status
1	Retrieve imaging thumbnails	[1] 4.4.3, 4.4.7.2	C.1
2	Retrieve images in a format other than imaging thumbnail	[1] 4.4.2, 4.4.7.2	C.1
3	Issue a request for native images (GetImages request with empty Img-Description header)	[1] 4.4.7.2	0

C.1: Mandatory to support at least one.



2.13 Remote Camera Responder Role

Table 24: Remote Camera Responder Functions Support

Prerequisite: BIP 1/10 "Remote Camera Responder"

ltem	Capability	Reference	Status
1	GetMonitoringImage	[1] 4.5.16	Μ
2	GetImageProperties	[1] 4.5.7	Μ
3	GetImage	[1] 4.5.8	Μ
4	GetLinkedThumbnail	[1] 4.5.9	Μ

2.14 Remote Display Initiator Role

Table 25: Remote Display Initiator Functions Support

Prerequisite: BIP 1/11 "Remote Display Initiator"

Item	Capability	Reference	Status
1	GetCapabilities	[1] 4.5.1	0
2	PutImage	[1] 4.5.2	Μ
3	PutLinkedThumbnail	[1] 4.5.3	Μ
4	GetImagesList	[1] 4.5.6	0
5	RemoteDisplay	[1] 4.5.5	М

Table 26: RemoteDisplay Capabilities

Prerequisite: BIP 1/11 "Remote Display Initiator"

ltem	Capability	Reference	Status
1	Display the next or previous image	[1] 4.5.5	C.1
2	Display a selected image	[1] 4.5.5	C.1

C.1: Mandatory to support at least one.

Table 27: PutImage Capabilities

Prerequisite: BIP 1/11 "Remote Display Initiator"

Item	Capability	Reference	Status
1	Push Imaging thumbnails only	[1] 4.4.3, 4.5.2, 4.4.7.2	C.1
2	Push images under various formats (imaging thumbnail may or may not be included)	[1] 4.4.2, 4.5.2, 4.4.7.2	C.1

C.1: Mandatory to support at least one.



Table 28: GetImagesList Capabilities

Prerequisite: BIP 1/11 "Remote Display Initiator"

Item	Capability	Reference	Status
1	Filtering is supported and used when requesting the images-listing object	[1] 4.5.6, 4.4.7.1	0
2	Retrieve the total number of images	[1] 4.5.6	0
3	Use the list of most recently captured images	[1] 4.5.6	0

2.15 Remote Display Responder Role

Table 29: Remote Display Responder Functions Support

Prerequisite: BIP 1/12 "Remote Display Responder"

Item	Capability	Reference	Status
1	GetCapabilities	[1] 4.5.1	Μ
2	PutImage	[1] 4.5.2	Μ
3	PutLinkedThumbnail	[1] 4.5.3	0
4	GetImagesList	[1] 4.5.6	Μ
5	RemoteDisplay	[1] 4.5.5	Μ

Table 30: PutImage Capabilities

Prerequisite: BIP 1/12 "Remote Display Responder"

ltem	Capability	Reference	Status
1	Acceptance of imaging thumbnails	[1] 4.4.3, 4.4.6.3	М
2	Acceptance of images in other formats	[1] 4.4.2, 4.4.6.3	0
3	Existence of a preferred format	[1] 4.4.6.3	0

Table 31: GetImagesList Capabilities

Prerequisite: BIP 1/12 "Remote Display Responder"

ltem	Capability	Reference	Status
1	Support of the LatestCapturedImages capability	[1] 4.5.6	0
2	Support of the filtering parameters	[1] 4.4.7.1	0

Table 32: PutLinkedThumbnail Capabilities

Prerequisite: BIP 1/12 "Remote Display Responder"

Item	Capability	Reference	Status
1	Partial Content response code is supported and used when necessary	[1] 4.5.2	0



Table 33: No longer used

2.16 Requirements towards Other Profiles

2.16.1 GAP requirements

Table 34: Requirements towards	the Generic Access Profile
--------------------------------	----------------------------

Item	Capability	Reference	Status	Inter-Layer Dependency
1	General discoverable mode	[1] 3.1	C.1	[3] GAP 1/3
2	Initiation of general inquiry	[1] 3.1	C.2	[3] GAP 3/1
3	Limited discoverable mode	[1] 3.1	C.1	[3] GAP 1/2
4	Initiation of limited inquiry	[1] 3.1	C.2	[3] GAP 3/2
5–6	No longer used	N/A	N/A	N/A
7	Bondable mode	[1] 2.2 [4] 8.1	Μ	[3] GAP 1/7
8	Authentication procedure	[1] 2.2 [4] 8.2	Μ	[3] GAP 2/1
9	Non-discoverable mode	[1] 2.2 [4] 8.1	C.3	[3] GAP 1/1

- C.1: Mandatory to support at least one IF BIP 1/2 "Image Push Responder" OR BIP 1/4 "Image Pull Responder" OR BIP 1/6 "Advanced Image Printing Responder (= Printer)" OR BIP 1/8 "Automatic Archive Responder" OR BIP 1/10 "Remote Camera Responder" OR BIP 1/12 "Remote Display Responder", otherwise not defined.
- C.2: Mandatory IF BIP 1/1 "Image Push Initiator" OR BIP 1/3 "Image Pull Initiator" OR BIP 1/5 "Advanced Image Printing Initiator" OR BIP 1/7 "Automatic Archive Initiator" OR BIP 1/9 "Remote Camera Initiator" OR BIP 1/11 "Remote Display Initiator", otherwise not defined.
- C.3: Mandatory IF BIP 1/2 "Image Push Responder" OR BIP 1/4 "Image Pull Responder" OR BIP 1/6 "Advanced Image Printing Responder (= Printer)" OR BIP 1/8 "Automatic Archive Responder" OR BIP 1/10 "Remote Camera Responder" OR BIP 1/12 "Remote Display Responder", otherwise not defined.

2.16.2 GOEP requirements

Item	Capability	Reference	Status
1	Connect	[2] 5.1	М
2	Disconnect	[2] 5.1	Μ
3	Put	[2] 5.1	М
4	Get	[2] 5.1	М
5	Abort	[2] 5.1	Μ
6	SetPath	[2] 5.1	C.1
7	Session	[2] 5.1	C.1
8	Action	[2] 5.1	C.1

C.1: Excluded for this Profile.



Table 36: OBEX Operations (Server)

Item	Capability	Reference	Status
1	Connect	[2] 5.1	М
2	Disconnect	[2] 5.1	Μ
3	Put	[2] 5.1	Μ
4	Get	[2] 5.1	Μ
5	Abort	[2] 5.1	М
6	SetPath	[2] 5.1	C.1
7	Session	[2] 5.1	C.1
8	Action	[2] 5.1	C.1

C.1: Excluded for this Profile.

Item	Capability	Reference	Status
1	Name	[1] 5.2	М
2	Туре	[1] 5.2	М
3	Length	[1] 5.2	Μ
4	Body	[1] 5.2	Μ
5	End of Body	[1] 5.2	М
6	Target	[1] 5.2	Μ
7	Who (Ability to parse only, ability to send is not required)[1] 5.2M		Μ
8	Connection ID	[1] 5.2	Μ
9	Img-Description (User-defined header)	[1] 5.2	Μ
10	Ing-Handle (User-defined header)	[1] 5.2	М
11	Authenticate Challenge	[1] 5.2	Μ
12	Authenticate Response	[1] 5.2	М
13	Application Parameters [1] 5.2 M		М
14	SRM [1] 5.2 O		0
15	Receive SRMP [1] 5.2 C.2		C.2
16	Send SRMP [1] 5.2 O		0

Table 37: OBEX Headers (Client)

C.1: No longer used.

C.2: Mandatory IF BIP 37/14 "SRM", otherwise Excluded.

Table 38: OBEX Headers (Server)

ltem	Capability	Reference	Status
1	Name	[1] 5.2	Μ
2	Туре	[1] 5.2	Μ
3	Length	[1] 5.2	Μ
4	Body	[1] 5.2	Μ
5	End of Body	[1] 5.2	Μ



Item	Capability	Reference	Status
6	Target (Ability to parse only, ability to send is not required)	[1] 5.2	Μ
7	Who	[1] 5.2	Μ
8	Connection ID	[1] 5.2	Μ
9	Img-Description (User-defined header)	[1] 5.2	Μ
10	Ing-Handle (User-defined header)	[1] 5.2	Μ
11	Authenticate Challenge	Authenticate Challenge [1] 5.2 M	
12	Authenticate Response [1] 5.2 M		Μ
13	Application Parameters	[1] 5.2	Μ
14	SRM	[1] 5.2	0
15	Receive SRMP	[1] 5.2	C.2
16	Send SRMP	[1] 5.2	0

C.1: No longer used.

C.2: Mandatory IF BIP 38/14 "SRM", otherwise Excluded.

Table 39: GOEP v2.0 or later Features

Item	Capability	Reference	Status
1	GOEP v2.0 or later	[4]	Μ
2	GOEP v2.0 or later Backwards Compatibility	[4] 2.5.2	Μ
3	OBEX over L2CAP	[5] IrDA Interoperability	Μ



3 References

- [1] Basic Imaging Profile (BIP) Specification, Version 1.0 or later
- [2] Generic Object Exchange Profile (GOEP) Specification
- [3] ICS Proforma for Generic Access Profile (GAP)
- [4] Generic Object Exchange Profile (GOEP) Specification, Version 2.0 or later
- [5] IrDA Interoperability Specification, Version 2.0 or later



4 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
0	1.0	2003-05-06	First publication
	1.0.1r1	2005-02-16	Change document number. Editorial and format changes.
	1.0.1r2	2005-03-02	Addition of section 5.8.4 as result of TSE 744
1	1.0.1	2005-03-03	Prepare for publication.
	1.0.2r0	2009-04-28	TSE 2753: Update table numbers to match the TPG table numbers Updated references in Tables 32 and 33; Updated References page.
2	1.0.2	2009-07-21	Prepare for publication.
	1.1.0	2010-03-28	Add new features BIP 1.1 (for GOEP v2 support)
	1.0.4	2010-06-03	Reset version number
	1.1.0r0	2010-07-08	Reset version number
3	1.1.0	2010-07-28	Prepare for publication
	1.2.0r1	2012-07-12	Update version to align with BIP_SPEC_v1.2 and update conditional syntax.
4	1.2.0	2012-07-24	Prepare for publication.
	1.2.1r0	2012-10-05	TSE 4494: Remove Table 34, items 5 and 6 in accordance with changes for this TSE in the TS.
	1.2.1r1	2012-10-22	Add footnote under Table 34 (above C.1) stating: "Note – Feature Items 34/5 and 34/6 have been permanently removed and shall not be redefined for future use." Change Reference heading from "Reference to GAP ICS [5]" to simply "Reference [5]"
5	1.2.1	2012-11-01	Prepare for Publication
	1.2.2r01	2013-09-30	TSE 5283: Provided additional information for item 4/1. Updated usage of "PIXIT" to "IXIT."
6	1.2.2	2013-12-03	Prepare for Publication
	1.2.3r01	2017-03-31	TSE 7397: Template conversion
	1.2.3r02	2017-04-11	Minor editorial fixes.
7	1.2.3	2017-07-03	Approved by BTI. Prepared for TCRL 2017-1 publication.
	1.2.4r00	2018-09-21	Drafted Deprecation/Withdrawal changes
	1.2.1.0	2018-11-09	Updated version number to 1.2.1.0 to align with adoption of the specification version 1.2.1. Added Table 0b and items 0b/1 and 0b/2 for new specification versions 1.0.1 and 1.2.1.
8	1.2.1.0	2018-11-21	Approved by BTI. Prepared for TCRL 2018-2 publication.



Publication Number	Revision Number	Date	Comments
	1.2.1.0 ed2r00	2021-01-13	TSE 15995 (rating 1): Changes for deprecation.
	1.2.1.0 edition 2	2021-02-01	Approved by BTI on 2021-01-15. Prepared for edition 2 publication.
	p9r00–r01	2021-03-30 – 2021-06-11	 TSE 16004 (rating 1): Fixed typos in Tables 18 and 29. TSE 16314 (rating 1): Consistency checker fixes. (Note: most changes in the CR are duplicated in or made irrelevant by TSE 16541, or were already in place as part of the published edition 2.) TSE 16541 (rating 2): Made consistency checker fixes and rectified inconsistencies with Launch Studio. Removed Table 33. Template-related and consistency checker editorials.
9	p9	2021-07-13	Approved by BTI on 2021-06-03. Prepared for TCRL 2021-1 publication.
	p9ed2 r00–r01	2021-07-22 – 2021-09-24	TSE 17166 (rating 1): Corrected the deprecation date for BIP v1.1 in Table 0. Consistency checker fixes and editorials to align with the wording in the latest ICS template.
	p9 edition 2	2021-09-28	Approved by BTI on 2021-09-27. Prepared for edition 2 publication.
	p9ed3r00	2021-10-14	TSE 17688 (rating 1): Updated deprecation and withdrawal information and made other consistency checker editorial corrections.
	p9 edition 3	2021-11-22	Approved by BTI on 2021-11-08. Prepared for edition 3 publication.
	p10r00–02	2023-10-04 – 2023-11-27	TSE 23938 (rating 2): To resolve GAP ILDs, removed the Core v1.2 and GAP spec items from the References section, deleted Tables 34a and 34b, added items 34/7–34/9, and removed item 34/6 and updated/added conditionals accordingly. Added D&W material to Tables 0 and 0b. Updated throughout to align with the latest ICS template conventions, including removing draft entries from the revision history.
10	p10	2024-07-01	Approved by BTI on 2024-05-22. Prepared for TCRL 2024-1 publication.
	p11r00	2025-02-24	TSE 26899 (rating 2): Updated conditional C.2 for Table 0. Added "Core Configuration" section and Table 0c. Applied the current ICS template.
11	p11	2025-07-08	Approved by BTI on 2025-05-30. Prepared for TCRL pkg100 publication.

Acknowledgments

Name	Company
Alicia Courtney	Broadcom
Victor Zhodzishsky	Broadcom Corporation

Name	Company
Ryohei Yamamoto	Casio Computer
Erwin Weinans	Ericsson
Hiroshi Tanaka	Fujifilm
Mikio Watanabe	Fujifilm
Holt Mebane	HP
Franc Camara	Microsoft
Karl Heubaum	Motorola
Stephane Bouet	Nokia Mobile Phones
Martin Roter	Nokia Mobile Phones
Yosuke Tajika	Toshiba