Basic Imaging

***Bluetooth*® Profile Specification**

- **Revision:** v1.2.1
- **Revision Date:** 2019-01-21
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Abstract:

This profile defines the requirements necessary for Bluetooth® devices to support the Basic Imaging Profile usage models. The requirements are expressed by defining the features, functions, and underlying profiles which are required for interoperability among Bluetooth devices in the Basic Imaging Profile usage models.

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Revision History

Revision	Date	Comments
1.0 Final	2002-11-15	Final draft
1.0 Final_a	2003-07-25	Further changes after BQRB review
V11	2010-08-26	Adopted by the Bluetooth SIG Board of Directors
V12	2012-07-24	Adopted by the Bluetooth SIG Board of Directors
v1.2.1	2019-01-21	Adopted by the Bluetooth SIG Board of Directors

Version History

Versions	Changes
v1.0.0 to v1.0.1	Incorporated erratum E2692.
v1.0.0 to v1.1.0	Incorporated editorial updates. Implemented functionality in OBEX Application Enhancements DIPD. Updated GOEP L2CAP PSM in SDP record.
v1.1.0 to v1.2.0	Incorporated erratum E710.
v1.2.0 to v1.2.1	Incorporated errata E5087 and E7789.

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The Remote Display feature allows the user to push images to an Imaging Responder with display capability and control the display sequence of those images.

These basic imaging features should be triggered by the user. They should not generally be performed automatically unless such action is the result of a configuration setting that is under user control.

3.3 Example feature sequences

The sequences presented in this section are examples. Variations in implementation are possible and allowed.

In the following sequences, with the exception of Automatic Archive, pairing can be performed as necessary and is left to the implementer's discretion. All devices shall support pairing as defined in the GAP. In the case of Automatic Archive, it is highly recommended that pairing be a prerequisite to the use of that feature.

Note that the list of Imaging Responders that is displayed on the Imaging Initiator can be the result of a simple inquiry. It can also result from an inquiry combined with a name request and/or SDP requests, or it can consist of a list of previously paired devices that the Imaging Initiator maintains internally.

3.3.1 Example Image Push sequence

When an Imaging Initiator wants to push an image to an Imaging Responder the following sequence can occur:

Imaging Initiator	Imaging Responder
	The user sets the device into Bluetooth Imaging Mode.
The user of the Imaging Initiator selects the Image Push feature on the device.	
A list of devices is displayed to the user.	
The user selects a device to push the image to. If the selected device does not support the Basic Imaging Profile, the user is prompted to select another device.	
The user selects an image and sends it.	
	When the image is received by the Imaging Responder, the user is asked to accept or reject the image.
The user is notified of the result of the operation.	

3.3.2 Example Image Pull sequence

When an Imaging Initiator wants to browse the images stored on an Imaging Responder, the following sequence can occur:

Imaging Initiator	Imaging Responder
	The user sets the device into Bluetooth Imaging Mode.
The user of the Initiator selects the Image Pull feature on the device.	
A list of devices is displayed to the user.	