IP Link Protocol

***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 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	IP Link 1.0	[1]	M

Table 1: X.Y.Z Versions

Table number reserved but not yet in use.

2.2 Transports

Table 2: Transport Requirements

Item	Transport	Reference	Status
1	Protocol supported over BR/EDR	[1] 1	C.1
2	Protocol supported over LE	[1] 1.4	C.2, C.3

C.1: Excluded for this Protocol.
C.2: Excluded for this Protocol IF CORE 41/1 “BR/EDR Core Configuration” OR CORE 40/1 “Core-Controller”.
C.3: Mandatory for this Protocol.

2.3 Roles

Table 3: Role Requirements

Item	Version	Reference	Status
1	Node	[1] 2.2	M

2.4 Node role

2.4.1 Bearers

Table 4: Bearers

Item	Version	Reference	Status
1	Advertising Extension bearer	[1] 3.3.1	M
2	L2CAP Bearer	[1] 3.3.2	M

2.4.2 Node types

Table 5: Node Types

Item	Version	Reference	Status
1	Full Feature Node	[1] 3.3.3	O

Item	Version	Reference	Status
2	Basic Feature Node	[1] 3.3.3	M

2.4.3 GAP requirements

Table 6: GAP Requirements

Item	Version	Reference	Status	Inter-Layer Dependency
1	Broadcaster	[1] 3.3.3	M	[2] GAP 5/1
2	Observer	[1] 3.3.3	M	[2] GAP 5/2
3	Peripheral	[1] 3.3.3	M	[2] GAP 5/3
4	Central	[1] 3.3.3	C.1	[2] GAP 5/4

C.1: Mandatory IF IPL 5/1 “Full Feature Node”, otherwise not defined.

2.4.4 LL requirements

Table 7: LL Requirements

Item	Version	Reference	Status	Inter-Layer Dependency
1	LE Extended Advertising	[1] 1.4	M	[3] GAP 8/5 OR GAP 20/8
2	LE Data Packet Length Extension	[1] 1.4	M	[3] LL 9/6
3	Decision-Based Advertising Filtering	[1] 1.4	M	[3] LL 9/51

3 References

[1] IP Link Protocol Specification, Version 1.0

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

[3] ICS Proforma for Low Energy Link Layer (LL)

4 Revision history and acknowledgments

Revision History

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