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Step 3 - Project: BT + LE HSS

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Product Type Verification	Status
Product Type Selection in PROD Table: **Host Subsystem**	Valid
Product Type Selection from Dropdown: **Host Subsystem**	

Host Subsystem Configuration Options
Host Subsystem (Classic): L2CAP, SDP, GAP, HCI
Host Subsystem (HS):   Classic Host + L2CAP, A2MP, AMPHCI
Host Subsystem (LE):   L2CAP, GAP, ATT, GATT, SM, 4.0HCI (+ Classic Host Optional)

• **Product Type Conformance Check:**   **Host Subsystem**
-- All mandatory profiles are being claimed. --

CORE: [SUM ICS PROD HCI L2CAP A2MP SDP GAP **GATT** ATT SM]

Generic Attribute Profile Vol 3, Part G

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Generic Attribute Profile Service

Generic Attribute Profile Role   [top]

Table 1: Generic Attribute Profile Support

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Generic Attribute Profile Client	GATT 2.2	C.1	⦿ ○
2	Generic Attribute Profile Server	GATT 2.2	C.1	⦿ ○

C.1: Mandatory to support at least one of 1/1 or 1/2:

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ATT Bearer Transport   [top]

Table 2: Attribute Protocol Transport

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Attribute Protocol Supported over BR/EDR (L2CAP fixed channel support) ⦾	GATT 2.2	C.1	⦿ ○
2	Attribute Protocol Supported over LE	GATT 2.2	C.1	⦿ ○

C.1: Mandatory to support at least one of 2/1 or 2/2:

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Generic Attribute Profile Support   [top]

Table 3: Generic Attribute Profile Feature Support

Prerequisite: GATT 1/1

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Exchange MTU	4.3.1	O	⦿ ○
2	Discover All Primary Services	4.4.1	O	⦿ ○
3	Discover Primary Services by Service UUID	4.4.2	O	⦿ ○
4	Find Included Services	4.5.1	O	⦿ ○
5	Discover All characteristics of a Service	4.6.1	O	⦿ ○
6	Discover Characteristics by UUID	4.6.2	O	⦿ ○
7	Discover All Characteristic Descriptors	4.7.1	O	⦿ ○
8	Read Characteristic Value	4.8.1	O	⦿ ○
9	Read Using Characteristic UUID	4.8.2	O	⦿ ○
10	Read Long Characteristic Values	4.8.3	O	⦿ ○
11	Read Multiple Characteristic Values	4.8.4	O	⦿ ○
12	Write without Response	4.9.1	O	⦿ ○

13	Signed Write Without Response	4.9.2	O	◉	○
14	Write Characteristic Value	4.9.3	O	◉	○
15	Write Long Characteristic Values	4.9.4	O	◉	○
16	Characteristic Value Reliable Writes	4.9.5	O	◉	○
17	Notifications	4.10.1	O	◉	○
18	Indications	4.11.1	M	◉	○
19	Read Characteristic Descriptors	4.12.1	O	◉	○
20	Read Long Characteristic Descriptors	4.12.2	O	◉	○
21	Write Characteristic Descriptors	4.12.3	O	◉	○
22	Write Long Characteristic Descriptors	4.12.4	O	◉	○

Table 4: Attribute Profile Support, by server

Prerequisite: GATT 1/2

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]	
1	Exchange MTU	4.3.1	O	◉	○
2	Discover All Primary Services	4.4.1	M	◉	○
3	Discover Primary Services by Service UUID	4.4.2	M	◉	○
4	Find Included Services	4.5.1	M	◉	○
5	Discover All characteristics of a Service	4.6.1	M	◉	○
6	Discover Characteristics by UUID	4.6.2	M	◉	○
7	Discover All Characteristic Descriptors	4.7.1	M	◉	○
8	Read Characteristic Value	4.8.1	M	◉	○
9	Read Using Characteristic UUID	4.8.2	M	◉	○
10	Read Long Characteristic Values	4.8.3	O	◉	○
11	Read Multiple Characteristic Values	4.8.4	O	◉	○
12	Write without Response	4.9.1	C.2	◉	○
13	Signed Write Without Response ⍰	4.9.2	O	◉	○
14	Write Characteristic Value	4.9.3	C.3	◉	○
15	Write Long Characteristic Values ⍰	4.9.4	O	◉	○
16	Characteristic Value Reliable Writes	4.9.5	O	◉	○
17	Notifications	4.10.1	O	◉	○
18	Indications	4.11.1	C.1	◉	○
19	Read Characteristic Descriptors	4.12.1	O	◉	○
20	Read Long Characteristic Descriptors	4.12.2	O	◉	○
21	Write Characteristic Descriptors	4.12.3	O	◉	○
22	Write Long Characteristic Descriptors	4.12.4	O	◉	○

C.1: Mandatory if GATT 5/1 Supported

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Generic Attribute Profile Service   [top]

Table 5: Attribute Protocol Services

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]	
1	Service Changed ⍰	GATT, 7.1	O	◉	○

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Generic Attribute Profile Service   [top]

Table 6: SDP Interoperability

Prerequisite: GATT 2/1

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]	
1	SDP record	GATT, 9	M	◉	○

Table 7: Attribute Protocol Transport

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]	
1	Security Mode 4	GAP 5	C.1	◉	○
2	LE Security Mode 1	GAP 10.2.1	C.2	◉	○
3	LE Security Mode 2	GAP 10.2.2	C.2	◉	○
4	LE Authentication Procedure	GAP 10.3	C.2	◉	○

5	LE connection data signing procedure	GAP 10.4.1	C.2	◉	○
6	LE Authenticate signed data procedure	GAP 10.4.2	C.2	◉	○
7	LE Authorization Procedure	GAP 10.5	C.2	◉	○

C.1: Mandatory to support if 2/1
C.2: Optional to support if 2/2

Update PICS Information

TOOLS: [Consistency Check]

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