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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]

Attribute Protocol
Vol 3, Part H

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Table 1: Attribute Protocol Support

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]	
1	Attribute Protocol Client ❓	ATT 1.1	C.1	⦿	○
2	Attribute Protocol Server ❓	ATT 1.1	C.1	⦿	○

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

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Attribute Protocol 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) ❓	ATT 1.3	C.1	⦿	○
2	Attribute Protocol Supported over LE ❓	ATT 1.3	C.1	⦿	○

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

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Attribute Protocol Messages   [top]

Table 3: Attribute Protocol Client Messages

Prerequisite: 1/1 (Attribute Protocol Client)

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]	
1	Attribute Error Response	ATT, 3.4.1.1	M	⦿	○
2	Exchange MTU Request ❓	ATT, 3.4.2.1	O	⦿	○
3	Exchange MTU Response	ATT, 3.4.2.2	C.1	⦿	○
4	Find Information Request	ATT, 3.4.3.1	M	⦿	○
5	Find Information Response	ATT, 3.4.3.2	M	⦿	○
6	Find by Type Value Request ❓	ATT, 3.4.4.3	O	⦿	○
7	Find by Type Value Response	ATT, 3.4.4.4	C.2	⦿	○
8	Read by Type Request ❓	ATT, 3.4.4.1	O	⦿	○
9	Read by Type Response	ATT, 3.4.4.2	C.3	⦿	○
10	Read Request	ATT, 3.4.4.3	M	⦿	○
11	Read Response	ATT, 3.4.4.4	M	⦿	○
12	Read Blob Request ❓	ATT, 3.4.4.5	O	⦿	○
13	Read Blob Response	ATT, 3.4.4.6	C.4	⦿	○

14	Read Multiple Request ?	ATT, 3.4.4.7	O	⊙	○
15	Read Multiple Response	ATT, 3.4.4.8	C.5	⊙	○
16	Read by Group Type Request ?	ATT, 3.4.4.9	O	⊙	○
17	Read by Group Type Response	ATT, 3.4.4.10	C.6	⊙	○
18	Write Request ?	ATT, 3.4.5.1	O	⊙	○
19	Write Response	ATT, 3.4.5.2	C.7	⊙	○
20	Write Command	ATT, 3.4.5.3	O	⊙	○
21	Signed Write Command	ATT, 3.4.5.3	O	⊙	○
22	Prepare Write Request ?	ATT, 3.4.6.1	O	⊙	○
23	Prepare Write Response	ATT, 3.4.6.2	C.8	⊙	○
24	Execute Write Request	ATT, 3.4.6.3	C.8	⊙	○
25	Execute Write Response	ATT, 3.4.6.4	C.8	⊙	○
26	Handle Value Notification	ATT, 3.4.7.1	M	⊙	○
27	Handle-Value Indication	ATT, 3.4.7.2	M	⊙	○
28	Handle Value Confirmation	ATT, 3.4.7.3	M	⊙	○

C.1: Mandatory IF 3/2 is supported ELSE excluded
C.2: Mandatory IF 3/6 is supported ELSE excluded
C.3: Mandatory IF 3/8 is supported ELSE excluded
C.4: Mandatory IF 3/12 is supported ELSE excluded
C.5: Mandatory IF 3/14 is supported ELSE excluded
C.6: Mandatory IF 3/16 is supported ELSE excluded
C.7: Mandatory IF 3/18 is supported ELSE excluded
C.8: Mandatory IF 3/22 is supported ELSE excluded

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Attribute Protocol Messages   [top]

Table 4: Attribute Protocol Server Messages

Prerequisite: 1/2 (Attribute Protocol Server)

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]	
1	Attribute Error Response	ATT, 3.4.1.1	M	⊙	○
2	Exchange MTU Request	ATT, 3.4.2.1	M	⊙	○
3	Exchange MTU Response	ATT, 3.4.2.2	M	⊙	○
4	Find Information Request	ATT, 3.4.3.1	M	⊙	○
5	Find Information Response	ATT, 3.4.3.2	M	⊙	○
6	Find by Type Value Request	ATT, 3.4.4.3	M	⊙	○
7	Find by Type Value Response	ATT, 3.4.4.4	M	⊙	○
8	Read by Type Request	ATT, 3.4.4.1	M	⊙	○
9	Read by Type Response	ATT, 3.4.4.2	M	⊙	○
10	Read Request	ATT, 3.4.4.3	M	⊙	○
11	Read Response	ATT, 3.4.4.4	M	⊙	○
12	Read Blob Request ?	ATT, 3.4.4.5	O	⊙	○
13	Read Blob Response	ATT, 3.4.4.6	C.1	⊙	○
14	Read Multiple Request ?	ATT, 3.4.4.7	O	⊙	○
15	Read Multiple Response	ATT, 3.4.4.8	C.2	⊙	○
16	Read by Group Type Request	ATT, 3.4.4.9	M	⊙	○
17	Read by Group Type Response	ATT, 3.4.4.10	M	⊙	○
18	Write Request ?	ATT, 3.4.5.1	O	⊙	○
19	Write Response	ATT, 3.4.5.2	C.3	⊙	○
20	Write Command	ATT, 3.4.5.3	O	⊙	○
21	Signed Write Command	ATT, 3.4.5.3	O	⊙	○
22	Prepare Write Request	ATT, 3.4.6.1	O	⊙	○
23	Prepare Write Response	ATT, 3.4.6.2	C.4	⊙	○
24	Execute Write Request ?	ATT, 3.4.6.3	C.4	⊙	○
25	Execute Write Response	ATT, 3.4.6.4	C.4	⊙	○
26	Handle Value Notification	ATT, 3.4.7.1	O	⊙	○
27	Handle-Value Indication ?	ATT, 3.4.7.2	O	⊙	○
28	Handle Value Confirmation	ATT, 3.4.7.3	C.5	⊙	○

C.1: Mandatory IF 4/12 is supported ELSE excluded
C.2: Mandatory IF 4/14 is supported ELSE excluded
C.3: Mandatory IF 4/18 is supported ELSE excluded
C.4: Mandatory IF 4/24 is supported ELSE excluded
C.5: Mandatory IF 4/27 is supported ELSE excluded

Table 5: 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, else excluded
C.2: Optional to support if 2/2, else excluded

Update PICS Information

TOOLS: [Consistency Check]

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