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## Step 4 - Project: BT + LE PSS

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### Product Type Verification

Product Type Selection in PROD Table: **Profile Subsystem**

### Status

Valid

Product Type Selection from Dropdown: **Profile Subsystem**

### • Product Type Conformance Check: **Profile Subsystem**

-- All mandatory profiles are being claimed. --

PROFILE: [ [A2DP](#) [AVRCP](#) [BIP](#) [BPP](#) [1.2](#) [DUN](#) [DID](#) [FAX](#) [FTP](#) [GAVDP](#) [HFP](#) [1.5](#) [HDP](#) [HID](#) [HSP](#) [IOP](#) [MAP](#) [MCAP](#) [OPP](#) [PBAP](#) [SAP](#) [SPP](#) [SYNC](#) ]**Serial Port Profile**  
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### 1 Supported Device Role

[\[ top \]](#)**Table 1: Device Role**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Device A (DevA) ?	SPP, 2.2	O.1	<input checked="" type="radio"/> <input type="radio"/>
2	Device B (DevB) ?	SPP, 2.2	O.1	<input checked="" type="radio"/> <input type="radio"/>

O.1: Mandatory to support at least One of the defined roles.

### 2 Support of SPP service

[\[ top \]](#)**Table 2: Support of Serial Profile Service**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Support of Serial Profile Service ?	SPP, 1.2	C.1	<input checked="" type="radio"/> <input type="radio"/>

C.1: Mandatory for devices that support Serial Profile for serial cable emulation as a Bluetooth service. Irrelevant for devices that support Serial Profile for usage by another application profile e.g. FAX, DUN, HFP

### 3 Application procedures

[\[ top \]](#)**Table 3: Application procedures**

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Establish link and set up virtual serial connection	SPP, 3.1	C.1	<input checked="" type="radio"/> <input type="radio"/>
2	Accept link and virtual serial connection establishment	SPP, 3.1	C.2	<input checked="" type="radio"/> <input type="radio"/>
3	Register Service record for application in local SDP database	SPP, 3.1	C.2	<input checked="" type="radio"/> <input type="radio"/>
4	No release in Sniff mode. Sniff mode enabled in the Link Manager	SPP, 3.2	O	<input checked="" type="radio"/> <input type="radio"/>
5	No release in Hold mode. Hold mode enabled in the Link Manager	SPP, 3.2	O	<input checked="" type="radio"/> <input type="radio"/>
6	No release in Park mode. Park mode enabled in the Link Manager	SPP, 3.2	O	<input checked="" type="radio"/> <input type="radio"/>
7	No release after Master/Slave switch. M/S switch enabled in the Link Manager	SPP, 2.4	O	<input checked="" type="radio"/> <input type="radio"/>

C.1: Mandatory for DeviceA, Irrelevant for DeviceB

C.2: Mandatory for DeviceB, Irrelevant for DeviceA

### 4 Service Discovery Protocol

[\[ top \]](#)**Table 4: Service Prot Profile Record Content (SerialPort UUID)**

The Serial Port Profile requires compliance with the Service Discovery Protocol It inherits the "mandatory", "optional" and "conditional" definitions from the Service Discovery Protocol.

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	SerialPort service class (UUID16: 0x1101)	SPP, 6.1	C.1	<input checked="" type="radio"/> <input type="radio"/>
2	Protocol0, L2CAP	SPP, 6.1	C.1	<input checked="" type="radio"/> <input type="radio"/>
3	Protocol1, RFCOMM	SPP, 6.1	C.1	<input checked="" type="radio"/> <input type="radio"/>
4	Server Channel number	SPP, 6.1	C.1	<input checked="" type="radio"/> <input type="radio"/>
5	Displayable text name	SPP, 6.1	C.1	<input checked="" type="radio"/> <input type="radio"/>

C.1: Mandatory for role B, if capability Support of Serial Profile Service (SPP, 2/1) supported. Irrelevant for Role A.

Note: If more than one Serial Port Profile Service is available, more than SerialPort record can be registered.

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## 5 Link Manager Procedures

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Table 5: Encryption

Item	Capability	System Spec Reference	Status	Support [Yes] or [No]
1	Initiate Encryption	SPP, 2.4	O	<input checked="" type="radio"/> <input type="radio"/>
2	Accept Encryption Request	SPP 2.4	M	<input checked="" type="radio"/> <input type="radio"/>
3	Point to Point Encryption	SPP 7.1	M	<input checked="" type="radio"/> <input type="radio"/>
4	Stop Encryption	SPP 7.1	M	<input checked="" type="radio"/> <input type="radio"/>

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