



Project Details

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Project Name	BR/EDR/LE Dual-mode Host Stack
Product Type	Host Subsystem
TCRL Version:	TCRL 2018-1
Referenced Qualified Design(s)	
Previously Qualified Design Used in this Qualification(s)	115966
Listing Date	2018-08-14
Declaration ID	D040616

Product Listing(s)						
	Name	Website	Category	Publish Date	Model Number	Description
BR/EDR/LE Dual-mode Host Stack				8/14/2018 12:00:00 AM	Espressif Dual-mode Host Stack based on Bluetooth	This a bluetooth BR/EDR/LE dual mode host stack in ESP-IDF which is a SDK environment for all the products of Espressif. It support A2DP, GAVDP, HFP, SPP, HIDS, PXP, DIS, BAS and other GATT-Based profiles. Normally, it can be easily porting to another platform by OS interface adapter, without change protocol code.

Member Company	Espressif Systems (Shanghai) Pte. Ltd.
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Declaring Member Contact / Listing Contact Person	Name	Espressif Espressif
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	State	Shanghai
	Country	China
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Complete the Project and Submit Product(s) for Qualification

By typing my name or other symbol of my signature into the "Signature" field below, I agree on behalf of Espressif Systems (Shanghai) Pte. Ltd. ("Company") to [Bluetooth Launch Studio Terms of Use](#), and I make the following representations and warranties personally and on behalf of Company. The following representations and warranties, together with all project information and the [Bluetooth Launch Studio Terms of Use](#), are the Supplier Declaration of Conformity and Declaration of Compliance described in the [Program Reference Document \(PRD\)](#) and [Declaration Process Document \(DPD\)](#).

- I am authorized by Company to submit all of the information included in this project and all information is complete and accurate.
- Company does not, by its governing documents or other applicable law, require more than one signatory, a stamp or seal, or a witnessed signature to be legally bound.
- I agree on behalf of Company to contract in English and electronically, and adopt the characters and symbols input in the signature field below as my signature, with the same effect as an ink signature.

The products included in this project are owned and distributed by Company under a Product name that identifies Company as the source of the Product. Company has the right to use and reference all Qualified Designs referenced in the project, and the products and referenced Qualified Designs comply with the version of the Bluetooth Specification identified in the project submission.

The product(s) included in this project and the corresponding Qualified Designs comply with the [Bluetooth Launch Studio Terms of Use](#).

If any of the foregoing is not correct or you do not agree, you must exit this form without signing.

Signature:

BarryWu

BLUETOOTH® LAUNCH STUDIO TERMS OF USE

Effective Date: November 10th, 2017.

These Bluetooth Launch Studio Terms of Use (“**Launch Studio Terms**”) are a supplement to the [Bluetooth SIG Website Terms of Use](#) (“**WTOU**”) and together the Launch Studio Terms and WTOU are a legal agreement (collectively the “**Bluetooth Terms**”) between you and Bluetooth SIG, Inc., a Delaware corporation (“**Bluetooth SIG**”) that governs your access to and use of the Bluetooth Launch Studio (the “**Launch Studio Tool**”).

The Launch Studio Tool is a Service (as defined in the WTOU) offered by Bluetooth SIG. Terms used but not defined in these Launch Studio Terms have the meanings ascribed to them in the WTOU. In the event of a conflict between these Launch Studio Terms and the WTOU, these Launch Studio Terms will govern.

PLEASE READ THE BLUETOOTH TERMS CAREFULLY. BY ACCESSING OR USING THE LAUNCH STUDIO TOOL AND/OR CLICKING TO INDICATE THAT YOU AGREE TO THE LAUNCH STUDIO TERMS, YOU REPRESENT THAT YOU ARE AUTHORIZED TO BIND THE ENTITY UNDER WHOSE BLUETOOTH SIG MEMBERSHIP YOU OBTAINED A USER ACCOUNT AND THAT YOU AND THAT MEMBER AGREE TO BE BOUND BY THE BLUETOOTH TERMS. IF YOU ARE NOT AUTHORIZED OR DO NOT AGREE TO THE BLUETOOTH TERMS, DO NOT ACCESS OR USE THE LAUNCH STUDIO TOOL OR CLICK TO INDICATE THAT YOU AGREE TO THESE LAUNCH STUDIO TERMS.

1. MEMBERSHIP ACCOUNT REQUIREMENT.

To access and use the Launch Studio Tool, you must have an Account (as defined in the WTOU) issued under the membership account of a current Bluetooth SIG member and log into the Launch Studio Tool with that Account. You acknowledge and agree that when you access the Launch Studio Tool that you are doing so on behalf of the member your Account is associated with (“**Member**”) and you represent and warrant that you are authorized by Member to access and use the Launch Studio Tool and provide Submissions (defined below) on Member’s behalf.

2. BLUETOOTH QUALIFICATION PROCESS.

The “**Bluetooth Qualification Process**” is the process created by Bluetooth SIG for qualifying Products. The Launch Studio Tool is the Bluetooth SIG tool designed to implement the Bluetooth Qualification Process. A “**Product**” means a product that:

- (a) if sold, is sold as a single item (consisting of software, firmware, drivers, applications, hardware, or a combination of some or all of the foregoing);
- (b) contains one or more Portions; and
- (c) if marketed, is marketed under a name and/or trademark that uniquely identifies Member as the source of the product. A “**Portion**” means hardware, software, or a combination of hardware and software that implements a Bluetooth Specification. If the hardware, software, or combination contains or consists of more than an implementation of the Bluetooth specification, the “**Portion**” is only the implementation of the Bluetooth Specification. “**Bluetooth Specification**” is defined in the Bylaws of Bluetooth SIG.

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- (a) You represent and warrant that you have permission to submit to Bluetooth SIG all information and materials (including design information, product information, test reports, and test results) that you provide through the Launch Studio Tool (“**Submissions**”) and that all Submissions are true, complete, and accurate.
- (b) You represent and warrant that you and Member will comply with the SIG Member Terms (as defined in the WTOU).
- (c) You represent and warrant that all Submissions that you make through the Launch Studio Tool and all Products listed in your Submissions comply with the SIG Member Terms (as defined in the WTOU) and the Bluetooth Specification(s) referenced in your Submission.

(d) You represent and warrant that the products referenced in your Submissions that you submit to the Bluetooth Qualification Process via the Launch Studio Tool will only be Products that, if marketed or distributed, are done so by Member under a name or trademark that uniquely identifies Member as the source of the Product.

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You and the Bluetooth SIG agree that Submissions are Confidential Information subject to the Bluetooth SIG Confidentiality Policy even if you do not label the Submission "Confidential." Notwithstanding anything in the Bluetooth SIG Confidentiality Policy and except as described in the following sentence, you agree that Bluetooth SIG will treat your Submissions as confidential, including by not making them available through the searchable database on Bluetooth SIG's web site until the date that you have selected as the "listing date" within the Launch Studio Tool when you click to submit your Submission. Bluetooth SIG further agrees that

(a) if, when you submit a Submission, the "publish date" in your Submission is after the listing date, the following information will be treated as Member Confidential Information and not included in the searchable database on Bluetooth SIG's web site until the "publish date": product name, product number, category, subset ID (if applicable), publish date, and product description and

(b) the test plan and test evidence provided as part of your Submission will continue to be treated as Member Confidential Information for the period of time required under the Bluetooth SIG Confidentiality Policy regardless of any listing date or publish date in the Submission. To the extent that this Section conflicts with the Bluetooth SIG Confidentiality Policy, this Section supersedes the Bluetooth SIG Confidentiality Policy with respect to Bluetooth SIG's obligations of confidentiality of Submissions.

6. RECORD KEEPING AND AUDIT.

You agree to maintain a complete copy of your Submissions as well as all supporting information and documentation related to each Product you submit for qualification through the Launch Studio Tool (“**Records**”) in order to document your compliance with the SIG Member Terms and Bluetooth Specifications. You agree that Bluetooth SIG may request copies of Records relating to or pertaining to your Submissions and all Products referenced therein and you will provide copies of Records and permit Bluetooth SIG and its representatives to audit, examine, and make copies of or extracts from all Records (in whatever form they may be kept, whether written, electronic, or other) in order to verify the truth, accuracy, and completeness of your Submissions as well as compliance with the SIG Member Terms and Bluetooth Specifications. Bluetooth SIG will be responsible for the cost of any audit, unless the audit reveals that any Submission is incomplete or inaccurate or that you, Member, any of your Submissions, or any Product fails to comply with the SIG Member Terms or Bluetooth Specifications, in which case Member will reimburse Bluetooth SIG for the costs of the audit within 30 days after receiving Bluetooth SIG’s request for reimbursement.

7. ADDITIONAL DISCLAIMERS.

The Launch Studio Tool is not a record-keeping or storage tool. You are responsible for backing up all of Your Content (as defined in the WTOU) submitted to the Launch Studio Tool. In addition to the disclaimers in the WTOU, Bluetooth SIG does not guarantee that Your Content will not be removed, damaged, corrupted, or lost.

Appendix A

Summary ICS

Table 21: Controller Configuration Specification Version

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 24: BR/EDR Controller Electrical Interfaces

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 31: Host Configuration Specification Version

Item	Capability	System Spec Reference	Support	Status	Comment
31/17	Core Spec Version 4.2, Adopted 02 December 2014	Core 4.2 (see 16 in published SUMICS)	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support only one Host Core Specification Version.

Table 33: Core Host Electrical Interfaces

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 34: LE Host Specification Parts

Item	Capability	System Spec Reference	Support	Status	Comment
34/13	Core Erratum 10734 Pairing Updates	Erratum 10734	C.7	<input checked="" type="checkbox"/>	C.7: Excluded IF (31/10 "Host Core: Core 4.0" OR 31/11 "Host Core: Core 4.0 + HS" OR 31/15 "Host Core: Core 4.1"), otherwise Mandatory.

Table 41: AMP Controller Specification Version

Prerequisite: SUM ICS 21/13 or SUM ICS 21/14 or SUM ICS 21/16 or SUM ICS 21/5 or SUM ICS 21/6 or SUM ICS 21/8 or SUM ICS 21/9

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 42: AMP Controller Specification Parts

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 43: AMP Controller Electrical Interfaces

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 51: Low Energy Controller Configuration

Prerequisite: SUM ICS 21/13 or SUM ICS 21/14 or SUM ICS 21/16 or SUM ICS 21/9

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 52: Low Energy Host Core Specification

Prerequisite: SUM ICS 31/10 or SUM ICS 31/11 or SUM ICS 31/15 or SUM ICS 31/16 or SUM ICS 31/17 or SUM ICS 31/18 or SUM ICS 31/19

Item	Capability	System Spec Reference	Support	Status	Comment
52/1	Low Energy Host	Core 4.0	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if PROD 3/3 or 3/4 or 3/5 is supported, otherwise Excluded.

Table 22: EDR Features

Prerequisite: SUM ICS 21/13 or SUM ICS 21/14 or SUM ICS 21/16 or SUM ICS 21/4 or SUM ICS 21/6 or SUM ICS 21/8 or SUM ICS 21/9

Item	Capability	System Spec Reference	Support	Status	Comment
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Product Type

Table 1: Product Types

Item	Capability	System Spec Reference	Support	Status	Comment
1/4	Host Subsystem	N/A	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support one and only one Product Type.

Table 2: Controller Core Configuration

Prerequisite: PROD 1/1 or PROD 1/2 or PROD 1/3 or PROD 1/5

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 3: Host Core Configuration

Prerequisite: PROD 1/1 or PROD 1/2 or PROD 1/3 or PROD 1/4

Item	Capability	System Spec Reference	Support	Status	Comment
3/4	BR/LE Host	Vol. 0 Part B	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support only one Host Configuration. Optional if 1/2 or 1/3 is Supported.

Service Discovery Protocol

Table 1: Support Different Size Capabilities on UUID

Item	Capability	System Spec Reference	Support	Status	Comment
1/1	Support for 128 bit UUID	SDP, 2.7.1	M	<input checked="" type="checkbox"/>	
1/2	Support for 32 bit UUID	SDP, 2.7.1	M	<input checked="" type="checkbox"/>	
1/3	Support for 16 bit UUID	SDP, 2.7.1	M	<input checked="" type="checkbox"/>	

Table 1b: Roles

Item	Capability	System Spec Reference	Support	Status	Comment
1b/1	Support for server role	SDP, 2.1	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one of the defined roles.
1b/2	Support for client role	SDP, 2.1	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one of the defined roles.

Table 2: Valid Service Search Request

Item	Capability	System Spec Reference	Support	Status	Comment
2/1	Support for respond on search of single Service, using ServiceSearchRequest.	SDP, 4.5	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory if 1b/1 is supported.
2/3	Search for services using the continuation state.	SDP, 4.3	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if 1b/2 is supported.

Table 3: Invalid Service Search Request

Item	Capability	System Spec Reference	Support	Status	Comment
3/1	Support for error response on Service search request.	SDP, 4.4	M	<input checked="" type="checkbox"/>	

Table 4: Valid Service Attribute Request

Item	Capability	System Spec Reference	Support	Status	Comment
4/1	Support for respond on search of Attribute(s)	SDP, 4.6	M	<input checked="" type="checkbox"/>	

Table 5: Invalid Service Attribute Request

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 6: Valid Service Search Attribute Request

Item	Capability	System Spec Reference	Support	Status	Comment
6/1	Support for respond on search for Service(s) and Attribute(s)	SDP, 4.7	M	<input checked="" type="checkbox"/>	

Table 7: Invalid Service Search Attribute Request

Item	Capability	System Spec Reference	Support	Status	Comment
7/1	Support for error response on Service and Attribute request.	SDP, 4.4	M	<input checked="" type="checkbox"/>	

Table 8: Service Browsing

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 9: Attributes Present in IUT

Item	Capability	System Spec Reference	Support	Status	Comment
9/2	ProtocolDescriptorList	SDP, 5.1.5	O	<input checked="" type="checkbox"/>	
9/14	BluetoothProfileDescriptorList	SDP, 5.1.11	O	<input checked="" type="checkbox"/>	
9/18	ServiceRecordHandle	SDP, 5.1.1	M	<input checked="" type="checkbox"/>	
9/19	ServiceClassIDList	SDP, 5.1.2	M	<input checked="" type="checkbox"/>	

Generic Access Profile

Generic Access Profile

Table 0: Device Configuration

Item	Capability	System Spec Reference	Support	Status	Comment
0/3	BR/EDR/LE	[3] or [7] 1.1	C.3	<input checked="" type="checkbox"/>	C.3: Mandatory if (PROD 3/4 or 3/5) is Supported, otherwise excluded.

Table 0a: Version Configuration

Item	Capability	System Spec Reference	Support	Status	Comment
0a/4	Core Spec version 4.2 (Core v4.2), Adopted 02 December 2014	[8] Core v4.2	C.4	<input checked="" type="checkbox"/>	C.4: Mandatory if SUMICS 31/17 or 31/18 (Core Spec 4.2 or 4.2+HS) is supported, otherwise Excluded.

Table 1: Modes

Item	Capability	System Spec Reference	Support	Status	Comment
1/1	Non-discoverable mode	[1] or [2] or [3] or [7] 4.1.1	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if 1/2 is supported, otherwise Optional.
1/3	General-discoverable mode	[1] or [2] or [3] or [7] 4.1.3	O	<input checked="" type="checkbox"/>	
1/5	Connectable mode	[1] or [2] or [3] or [7] 4.2.2	M	<input checked="" type="checkbox"/>	
1/7	Bondable mode	[1] or [2] or [3] or [7] 4.3.2	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory if 3/5 is supported, otherwise Optional.

Table 2: Security Aspects

Item	Capability	System Spec Reference	Support	Status	Comment
2/2	Support of LMP-Authentication	[1] or [2] or [3] or [7] 5.1	M	<input checked="" type="checkbox"/>	

Table 3: Idle Mode Procedures

Item	Capability	System Spec Reference	Support	Status	Comment
3/1	Initiation of general inquiry	[1] or [2] or [3] or [7] 6.1	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one of GAP 3/1 (Initiation of general inquiry) or GAP 3/2 (Initiation of limited inquiry) if GAP 3/5 (Initiation of general bonding) is supported, otherwise Optional.

Table 4: Establishment Procedures

Item	Capability	System Spec Reference	Support	Status	Comment
4/1	Support link establishment as initiator	[1] or [2] or [3] or [7] 7.1	M	<input checked="" type="checkbox"/>	
4/2	Support link establishment as acceptor	[1] or [2] or [3] or [7] 7.1	M	<input checked="" type="checkbox"/>	
4/4	Support channel establishment as acceptor	[1] or [2] or [3] or [7] 7.2	M	<input checked="" type="checkbox"/>	

Table 5: LE Roles

Prerequisite: GAP 0/2

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 6: Broadcaster Physical Layer

Prerequisite: GAP 38/1 or GAP 5/1

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 7: Broadcaster Link Layer States

Prerequisite: GAP 38/1 or GAP 5/1

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 8: Broadcaster Link Layer Advertising Event Types

Prerequisite: GAP 38/1 or GAP 5/1

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 8a: Broadcaster Link Layer Advertising Data Types

Prerequisite: GAP 38/1 or GAP 5/1

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 9: Broadcaster Connection Modes and Procedures

Prerequisite: GAP 38/1 or GAP 5/1

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 10: Broadcaster Broadcasting and Observing Features

Prerequisite: GAP 38/1 or GAP 5/1

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 11: Broadcaster Privacy Feature

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 11a: Periodic Advertising Modes and Procedures

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 12: Observer Physical Layer

Prerequisite: GAP 38/2 or GAP 5/2

Item	Capability	System Spec Reference	Support	Status	Comment
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Item	Capability	System Spec Reference	Support	Status	Comment
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Table 13: Observer Link Layer States

Prerequisite: GAP 38/2 or GAP 5/2

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 14: Observer Link Layer Scanning Types

Prerequisite: GAP 38/2 or GAP 5/2

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 15: Observer Connection Modes and Procedures

Prerequisite: GAP 38/2 or GAP 5/2

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 16: Observer Broadcasting and Observing Features

Prerequisite: GAP 38/2 or GAP 5/2

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 17: Observer Privacy Feature

Prerequisite: GAP 38/2 or GAP 5/2

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 17a: Periodic Advertising Modes and Procedures

Prerequisite: GAP 38/2 or GAP 5/2

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 18: Peripheral Physical Layer

Prerequisite: GAP 38/3 or GAP 5/3

Item	Capability	System Spec Reference	Support	Status	Comment
18/1	Transmitter	[3] or [7] 2.2.2	M	<input checked="" type="checkbox"/>	
18/2	Receiver	[3] 2.2.2	M	<input checked="" type="checkbox"/>	

Table 19: Peripheral Link Layer States

Prerequisite: GAP 38/3 or GAP 5/3

Item	Capability	System Spec Reference	Support	Status	Comment
19/1	Standby	[3] or [7] 2.2.2	M	<input checked="" type="checkbox"/>	
19/2	Advertising	[3] or [7] 2.2.2	M	<input checked="" type="checkbox"/>	
19/3	Connection, Slave Role	[3] 2.2.2, 13.1.2.2 [7] 2.2.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF (SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) is supported; Mandatory IF ((SUMICS 31/10 (Core Spec Version 4.0) OR SUMICS 31/10a (Core Spec Version 4.0+HS)) AND 5/3 (LE Roles – Peripheral Role)) is supported, otherwise Excluded.

Table 20: Peripheral Link Layer Advertising Event Types

Prerequisite: GAP 38/3 or GAP 5/3

Item	Capability	System Spec Reference	Support	Status	Comment
20/1	Connectable and Scannable Undirected Event	[3] 2.2.2, 13.1.1.2 [7] 2.2.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF (SUMICS 31/14 (Core Spec v4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) is supported; Mandatory IF ((SUMICS 31/10 (Core Spec Version 4.0) OR SUMICS 31/10a (Core Spec Version 4.0+HS)) AND 5/3 (LE Roles – Peripheral Role)) is supported, otherwise Excluded.

Table 20A: Peripheral Link Layer Advertising Data Types

Prerequisite: GAP 38/3 or GAP 5/3

Item	Capability	System Spec Reference	Support	Status	Comment
20A3	AD Type – Flags	[3] 11.1.3 [4] 1.3	C.2	☑	C.2: Mandatory if 22/2 (Limited Discoverable Mode) or 22/3 (General Discoverable Mode) is supported, otherwise Optional.

Table 21: Peripheral Link Layer Control Procedures

Prerequisite: GAP 38/3 or GAP 5/3

Item	Capability	System Spec Reference	Support	Status	Comment
21/1	Connection Update Procedure	[3] 2.2.2, 13.1.2.2 [7] 2.2.2	C.1	☑	C.1: Mandatory if ((SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) is supported; Mandatory IF ((SUMICS 31/10 (Core Spec Version 4.0) OR SUMICS 31/10a (Core Spec Version 4.0+HS)) AND 5/3 (LE Roles – Peripheral Role))) is supported, otherwise Excluded.
21/2	Channel Map Update Procedure	[3] 2.2.2, 13.1.2.2 [7] 2.2.2	C.1	☑	C.1: Mandatory if ((SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) is supported; Mandatory IF ((SUMICS 31/10 (Core Spec Version 4.0) OR SUMICS 31/10a (Core Spec Version 4.0+HS)) AND 5/3 (LE Roles – Peripheral Role))) is supported, otherwise Excluded.
21/4	Feature Exchange Procedure	[3] 2.2.2, 13.1.2.2 [7] 2.2.2	C.1	☑	C.1: Mandatory if ((SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) is supported; Mandatory IF ((SUMICS 31/10 (Core Spec Version 4.0) OR SUMICS 31/10a (Core Spec Version 4.0+HS)) AND 5/3 (LE Roles – Peripheral Role))) is supported, otherwise Excluded.
21/5	Version Exchange Procedure	[3] 2.2.2, 13.1.2.2 [7] 2.2.2	C.1	☑	C.1: Mandatory if ((SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) is supported; Mandatory IF ((SUMICS 31/10 (Core Spec Version 4.0) OR SUMICS 31/10a (Core Spec Version 4.0+HS)) AND 5/3 (LE Roles – Peripheral Role))) is supported, otherwise Excluded.
21/6	Termination Procedure	[3] 2.2.2, 13.1.2.2 [7] 2.2.2	C.1	☑	C.1: Mandatory if ((SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) is supported; Mandatory IF ((SUMICS 31/10 (Core Spec Version 4.0) OR SUMICS 31/10a (Core Spec Version 4.0+HS)) AND 5/3 (LE Roles – Peripheral Role))) is supported, otherwise Excluded.
21/8	Slave Initiated Feature Exchange Procedure	[7] 2.2.2	C.4	☑	C.4: Mandatory IF ((SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) AND GAP 21/9 (Connection Parameter Request Procedure)) is supported; Optional IF (Core Spec 4.1 or later) is supported, otherwise Excluded.
21/9	Connection Parameter Request Procedure	[7] 2.2.2	C.5	☑	C.5: Optional IF (SUMICS 31/14 (Core Spec Version v4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) is supported, otherwise Excluded.

Table 22: Peripheral Discovery Modes and Procedures

Prerequisite: GAP 38/3 or GAP 5/3

Item	Capability	System Spec Reference	Support	Status	Comment
22/1	Non-Discoverable Mode	[3] 9.2.2, 13.1.1.1 [7] 9.2.2, 13.1	C.1	☑	C.1: Mandatory IF ((SUMICS 31/10 (Core Spec Version 4.0) OR SUMICS 31/10a (Core Spec Version 4.0+HS)) AND (5/3 (LE Roles – Peripheral role) OR 42/1 (BR/EDR/LE – Non-Discoverable Mode))) is supported; Mandatory IF (SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) is supported, otherwise Excluded.
22/3	General Discoverable Mode	[3] 9.2.4, 13.1.1.2 [7] 9.2.4, 13.1	C.3	☑	C.3: Mandatory IF ((SUMICS 31/10 (4.0) OR SUMICS 31/11 (4.0+HS)) AND 1/3 (BR/EDR/LE – General Discoverable Mode)) is supported; Mandatory IF (5/3 (LE Roles – Peripheral role) AND (NOT 22/2 (Limited Discoverable Mode))) is supported; Optional IF (5/3 (LE Roles – Peripheral role) AND 22/2 (Limited Discoverable Mode)) is supported; (cont.) C.3: Mandatory IF ((SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) AND 38/3 (BR/EDR/LE Roles – Peripheral Role) AND (NOT 22/2 (Limited Discoverable Mode))) is supported; (cont.2) C.3: Optional IF ((SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) AND 38/3 (BR/EDR/LE Roles – Peripheral Role) AND 22/2 (Limited Discoverable Mode)) is supported, otherwise Excluded.

Table 23: Peripheral Connection Modes and Procedures

Prerequisite: GAP 38/3 or GAP 5/3

Item	Capability	System Spec Reference	Support	Status	Comment
23/1	Non-Connectable Mode	[3] 9.3.2, 13.1.2.1 [7] 9.3.2	M	☑	
23/3	Undirected Connectable Mode	[3] 9.3.4, 13.1.2.2 [7] 9.3.4	C.2	☑	C.2: Mandatory IF (5/3 (LE Roles – Peripheral Role) OR ((31/14 (SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) AND 38/3 (BR/EDR/LE Roles – Peripheral Role))) is supported, otherwise Excluded.
23/5	Terminate Connection Procedure	[3] 9.3.10, 13.1.2.1 [7] 9.3.10	C.2	☑	C.2: Mandatory IF (5/3 (LE Roles – Peripheral Role) OR ((31/14 (SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) AND 38/3 (BR/EDR/LE Roles – Peripheral Role))) is supported, otherwise Excluded.

Table 24: Peripheral Bonding Modes and Procedures

Prerequisite: GAP 38/3 or GAP 5/3

Item	Capability	System Spec Reference	Support	Status	Comment
24/1	Non-Bondable Mode	[3], 9.4.2	M	☑	
24/2	Bondable Mode	[3] 9.4.3, 13.1.4.2 [7] 9.4.3, 13.2	C.1	☑	C.1: Optional IF 5/3 (LE Only – Peripheral role) is supported; Optional IF ((SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) AND 38/3 (BR/EDR/LE Roles – Peripheral Role) AND (NOT 26/1a (Privacy Feature 1.1))) is supported; Mandatory IF (26/1a (Privacy Feature v1.1)) is supported otherwise Excluded.
24/3	Bonding Procedure	[3] 9.4.4, 13.1.4.2 [7] 9.4.4, 13.2	C.1	☑	C.1: Optional IF 5/3 (LE Only – Peripheral role) is supported; Optional IF ((SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) AND 38/3 (BR/EDR/LE Roles – Peripheral Role) AND (NOT 26/1a (Privacy Feature 1.1))) is supported; Mandatory IF (26/1a (Privacy Feature v1.1)) is supported otherwise Excluded.

Table 25: Peripheral Security Aspects Features

Prerequisite: GAP 38/3 or GAP 5/3

Item	Capability	System Spec Reference	Support	Status	Comment
25/1	Security Mode 1	[3] 10.2.1, 13.1.2.2, [7] 10.2.1	C.2	☑	C.2: Optional IF 5/3 (LE Roles – Peripheral Role) is supported; Optional IF ((SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) AND 38/3 (BR/EDR/LE Roles – Peripheral Role)) is supported, otherwise Excluded.
25/9	LE Security Mode 1 Level 4	[8] 10.3	C.3	☑	C.3: Mandatory IF SM2/5 (LE Secure Connections) is supported, otherwise Excluded.

Table 26: Peripheral Privacy Feature

Prerequisite: GAP 38/3 or GAP 5/3

Item	Capability	System Spec Reference	Support	Status	Comment
26/1	Privacy Feature	[3], 10.7	O	☑	
26/3	Resolvable Private Address Generation Procedure	[3] or [7] 10.7, 10.8.2.2 [9] 1.3.2.2	C.2	☑	C.2: Mandatory IF ((SUMICS 31/10 (Core Spec Version 4.0) OR SUMICS 31/10a (Core Spec Version 4.0+HS) OR GAP 0a/3 (Core Spec version 4.1) OR GAP 0a/4 (Core Spec version 4.2)) AND 26/1 (Privacy Feature)) is supported; Optional IF (GAP 0a/3 (Core Spec version 4.1) OR GAP 0a/4 (Core Spec version 4.2)) is supported, otherwise Excluded.
26/4	Resolvable Private Address Resolution Procedure	[3] or [7] 10.7, 10.8.2.3 [9] 1.3.2.2	C.3	☑	C.3: Mandatory IF (GAP 0a/3 (Core Spec version 4.1) OR GAP 0a/4 (Core Spec version 4.2)) AND 26/1 (Privacy Feature) is supported; Optional IF (GAP 0a/3 (Core Spec version 4.1) OR GAP 0a/4 (Core Spec version 4.2)) is supported, otherwise Excluded.

Table 27: Peripheral GAP Characteristics

Item	Capability	System Spec Reference	Support	Status	Comment
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27/1	Device Name	[3] or [7] 12.1	M	<input checked="" type="checkbox"/>
27/2	Appearance	[3] or [7] 12.2	M	<input checked="" type="checkbox"/>

Table 28: Central Physical Layer

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 29: Central Link Layer States

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 30: Central Link Layer Scanning Types

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 31: Central Link Layer Control Procedures

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 32: Central Discovery Modes and Procedures

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 33: Central Connection Modes and Procedures

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 34: Central Bonding Modes and Procedures

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 35: Central Security Features

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 36: Central Privacy Feature

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 37: Central GAP Characteristics

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 38: BR/EDR/LE Roles

Prerequisite: GAP 0/3

Item	Capability	System Spec Reference	Support	Status	Comment
38/3	Peripheral	[3] or [7] 13	C.1	<input checked="" type="checkbox"/>	C.1: It is mandatory to support at least one of the defined roles.

Table 39: Central BR/EDR/LE Modes

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 40: Central BR/EDR/LE Idle Mode Procedures

Prerequisite: GAP 38/4

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 41: Central BR/EDR/LE Security Aspects

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 42: Peripheral BR/EDR/LE Modes

Prerequisite: GAP 38/3

Item	Capability	System Spec Reference	Support	Status	Comment
42/4	Connectable Mode	[3] 13.1.2.2	M	<input checked="" type="checkbox"/>	

Table 43: Peripheral BR/EDR/LE Security Aspects

Item	Capability	System Spec Reference	Support	Status	Comment
43/1	Security Aspects	[3] or [7] 14	M	<input checked="" type="checkbox"/>	

Table 44: Central Simultaneous BR/EDR and LE Transports

Prerequisite: GAP 38/4

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 45: Peripheral Simultaneous BR/EDR and LE Transports

Prerequisite: GAP 38/3

Item	Capability	System Spec Reference	Support	Status	Comment
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Logical Link Control and Adaption Protocol

Table 2: General Operation

Item	Capability	System Spec Reference	Support	Status	Comment
2/1	Support of L2CAP signalling channel	[1] 2.2	C.20	<input checked="" type="checkbox"/>	C.20: Mandatory if (0/1 or 0/3) is supported, otherwise Excluded.
2/2	Support of configuration process	[1] 7.1	C.20	<input checked="" type="checkbox"/>	C.20: Mandatory if (0/1 or 0/3) is supported, otherwise Excluded.
2/3	Support of connection oriented data channel	[1] 2.2	C.20	<input checked="" type="checkbox"/>	C.20: Mandatory if (0/1 or 0/3) is supported, otherwise Excluded.
2/5	Support of command echo response	[1] 4.9	C.20	<input checked="" type="checkbox"/>	C.20: Mandatory if (0/1 or 0/3) is supported, otherwise Excluded.
2/7	Support of command information response	[1] 4.11	C.20	<input checked="" type="checkbox"/>	C.20: Mandatory if (0/1 or 0/3) is supported, otherwise Excluded.
2/12	Enhanced Retransmission Mode	[2] 8.6	C.1/C.12	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one of (2/12 or 2/13 or 2/35) if (0/1 or 0/3) and (CSA 1 or Core Spec 3.0 or 3.0+HS or 4.0 or 4.0+HS) are supported, otherwise Optional. C.12: Mandatory IF SUMICS 31/9 "3.0+HS" OR SUMICS 31/10a "4.0+HS" OR SUMICS 31/15 "4.1+HS" OR SUMICS 31/17 "4.2+HS" is supported, otherwise Optional.
2/18	Mandatory use of ERTM	[2] 8.6	C.4	<input checked="" type="checkbox"/>	C.4: If 2/12 is supported then at least one of (2/18 or 2/20) is Mandatory, otherwise Excluded.
2/40	Support of Low Energy signaling channel	[4] 2.1, 2.2	C.17	<input checked="" type="checkbox"/>	C.17: Mandatory (0/2 OR 0/3) is supported, otherwise Excluded.

2/41	Support of command reject	[4] 4.10	C.17	<input checked="" type="checkbox"/>	C.17: Mandatory (0/2 OR 0/3) is supported, otherwise Excluded.
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Table 3: Configurable Parameters

Item	Capability	System Spec Reference	Support	Status	Comment
3/1	Support of RTX timer	[1] 6.2.1	M	<input checked="" type="checkbox"/>	
3/2	Support of ERTX timer	[1] 6.2.2	C.4	<input checked="" type="checkbox"/>	C.4: Mandatory if (0/1 or 0/3) is supported, otherwise Excluded.
3/3	Support minimum MTU size 48 octets	[1] 5.1	C.4	<input checked="" type="checkbox"/>	C.4: Mandatory if (0/1 or 0/3) is supported, otherwise Excluded.
3/5	Support of flush timeout value for reliable channel	[1] 5.2	C.4	<input checked="" type="checkbox"/>	C.4: Mandatory if (0/1 or 0/3) is supported, otherwise Excluded.
3/12	Support minimum MTU size 23 octets	[4] 5.1	C.6	<input checked="" type="checkbox"/>	C.6: Mandatory if (0/2 or 0/3) is supported, otherwise Excluded.

Table 0: L2CAP Transport Configuration

Item	Capability	System Spec Reference	Support	Status	Comment
0/3	BR/EDR/Bluetooth low energy	[2] 1.1	C.3	<input checked="" type="checkbox"/>	C.3 Mandatory if (PROD 1/1 or 1/4) and (PROD 3/4 or 3/5) are Supported (End Product or Host Subsystem with BR/LE or BR/HS/LE Host CC), otherwise excluded. Optional for PROD 1/2 or 1/3 (Components).

Table 1: Roles

Item	Capability	System Spec Reference	Support	Status	Comment
1/2	Data Channel Acceptor	[1] 2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if (0/1 or 0/3) is supported, otherwise Excluded.
1/4	LE Slave	[4] 2	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory to support at least one of (1/3 or 1/4) if (0/2 OR 0/3) is supported, otherwise Excluded.

Serial Port Profile

Table 0: Profile Version

Item	Capability	System Spec Reference	Support	Status	Comment
0/2	SPP v1.2	SPP v1.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support only one Profile version.

Table 1: Device Role

Item	Capability	System Spec Reference	Support	Status	Comment
1/1	Device A (DevA)	SPP, 2.2	C.1	<input checked="" type="checkbox"/>	
1/2	Device B (DevB)	SPP, 2.2	O.1	<input checked="" type="checkbox"/>	O.1: Mandatory to support at least One of the defined roles.

Table 2: Support of Serial Profile Service

Item	Capability	System Spec Reference	Support	Status	Comment
2/1	Support of Serial Profile Service	SPP, 1.2	C.1	<input checked="" type="checkbox"/>	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

Table 3: Application procedures

Item	Capability	System Spec Reference	Support	Status	Comment
3/1	Establish link and set up virtual serial connection	SPP, 3.1	C.1	☑	C.1: Mandatory for DeviceA, Irrelevant for DeviceB
3/2	Accept link and virtual serial connection establishment	SPP, 3.1	C.2	☑	C.2: Mandatory for DeviceB, Irrelevant for DeviceA
3/3	Register Service record for application in local SDP database	SPP, 3.1	C.2	☑	C.2: Mandatory for DeviceB, Irrelevant for DeviceA

Table 4: Service Prot Profile Record Content (SerialPort UUID)

Item	Capability	System Spec Reference	Support	Status	Comment
4/1	SerialPort service class (UUID16: 0x1101)	SPP, 6.1	C.1	☑	C.1: Mandatory for role B, if capability Support of Serial Profile Service (SPP, 2/1) supported. Irrelevant for Role A
4/2	Protocol0, L2CAP	SPP, 6.1	C.1	☑	C.1: Mandatory for role B, if capability Support of Serial Profile Service (SPP, 2/1) supported. Irrelevant for Role A
4/3	Protocol1, RFCOMM	SPP, 6.1	C.1	☑	C.1: Mandatory for role B, if capability Support of Serial Profile Service (SPP, 2/1) supported. Irrelevant for Role A
4/4	Server Channel number	SPP, 6.1	C.1	☑	C.1: Mandatory for role B, if capability Support of Serial Profile Service (SPP, 2/1) supported. Irrelevant for Role A
4/5	Displayable text name	SPP, 6.1	C.2	☑	C.2: Mandatory to support if 2/1 (Support of Serial Profile Service) AND 0/1 (SPP v1.1) are supported, otherwise Optional.
4/6	BluetoothProfileDescriptorList	SPP 6.1	C.3	☑	C.3: Mandatory to support if 2/1 (Support of Serial Profile Service) AND 0/2 (SPP v1.2) are supported, otherwise Optional.

Table 5: Encryption

Item	Capability	System Spec Reference	Support	Status	Comment
5/2	Accept Encryption Request	SPP 2.4	M	☑	
5/3	Point to Point Encryption	SPP 7.1	M	☑	
5/4	Stop Encryption	SPP 7.1	M	☑	

RFCOMM

Table 0: Protocol Version

Item	Capability	System Spec Reference	Support	Status	Comment
0/2	RFCOMM1.2 with TS 07.10	RFCOMM1.2	C.1	☑	C.1: Mandatory to support one and only one of the protocol versions.

Table 1: Supported Procedures

Item	Capability	System Spec Reference	Support	Status	Comment
1/1	Initialize RFCOMMsession	5.2.1	C.2	☑	C.2: Mandatory if SPP 1/1 (Device A) is supported, otherwise Excluded.
1/2	Respond to initialisation of an RFCOMM session	5.2.1	C.1	☑	C.1: Mandatory if SPP 1/2 (Device B) is supported, otherwise Excluded.
1/3	Shutdown RFCOMMsession	5.2.2	M	☑	
1/4	Respond to a shutdown for an RFCOMM session	5.2.2	M	☑	
1/5	Establish DLC	5.2.1	C.2	☑	C.2: Mandatory if SPP 1/1 (Device A) is supported, otherwise Excluded.
1/6	Respond to establishment of a DLC	5.2.1	C.1	☑	C.1: Mandatory if SPP 1/2 (Device B) is supported, otherwise Excluded.
1/7	Disconnect DLC	5.2	M		



1/8	Respond to disconnection of a DLC	5.2	M	<input checked="" type="checkbox"/>	
1/9	Respond to and send MSC command	2.2	M	<input checked="" type="checkbox"/>	
1/10	Initiate Transfer Information	5.1	M	<input checked="" type="checkbox"/>	
1/11	Respond to Test command	4.3	M	<input checked="" type="checkbox"/>	
1/13	React to aggregate flow control	6.3	M	<input checked="" type="checkbox"/>	
1/14	Respond to RLS command	5.5.2	M	<input checked="" type="checkbox"/>	
1/16	Respond to PN command	5.5.3	M	<input checked="" type="checkbox"/>	
1/17	Send PN command	5.5.3	C.3	<input checked="" type="checkbox"/>	C.3: Mandatory if SPP 1/1 (Device A) is supported, otherwise Optional.
1/18	Send NSC command	4.3	C.4	<input checked="" type="checkbox"/>	C.4: Mandatory to support if 0/2 (RFCOMM 1.2) is supported, otherwise Optional.
1/19	Respond to RPN command	5.5.1	M	<input checked="" type="checkbox"/>	
1/22	Support of Credit Based Flow Control	6.5	M	<input checked="" type="checkbox"/>	

Advanced Audio Distribution Profile

A2DP

Table 0: Profile Version

Item	Capability	System Spec Reference	Support	Status	Comment
0/2	A2DP 1.2	A2DP 1.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support one and only one major profile version.

Table 0a: Minor Profile Version (X.Y.Z)

Prerequisite: A2DP 0/3

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 1: Roles

Item	Capability	System Spec Reference	Support	Status	Comment
1/1	Source (SRC)	[1] 2.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one of the defined roles.
1/2	Sink (SNK)	[1] 2.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one of the defined roles.

Table 2: A2DP SRC Features

Item	Capability	System Spec Reference	Support	Status	Comment
2/1	Initiate Connection Establishment	[4] 4.1.1	M	<input checked="" type="checkbox"/>	
2/2	Accept Connection Establishment	[4] 4.1.1	M	<input checked="" type="checkbox"/>	
2/3	Initiate Start Streaming	[4] 4.1.2	M	<input checked="" type="checkbox"/>	
2/4	Accept Start Streaming	[4] 4.1.2	M	<input checked="" type="checkbox"/>	
2/5	Send Audio Stream	[1] 3.2.1	M	<input checked="" type="checkbox"/>	
2/6	Initiate Connection Release	[4] 4.1.3	M	<input checked="" type="checkbox"/>	
2/7	Accept Connection Release	[4] 4.1.3	M	<input checked="" type="checkbox"/>	
2/10	SBC Encoder	[1] 4.3	M	<input checked="" type="checkbox"/>	
2/13	SBC Configurations in 44.1 KHz sampling frequency rate	[1] 4.3.2.1	C.1	<input checked="" type="checkbox"/>	C.1: At least one of the values shall be supported.

Table 3: Supported Codecs in SRC

Item	Capability	System Spec Reference	Support	Status	Comment
3/1	SBC encoder - E1 & E2	[1] 4.3 & Appendix B, [3] Appendix A	M	<input checked="" type="checkbox"/>	

Table 3a: Supported Codec Features in SRC

Prerequisite: A2DP 3/1

Item	Capability	System Spec Reference	Support	Status	Comment
3a/1	Channel Mode – Mono	[1] 4.3.2.2	M	☑	
3a/2	Channel Mode – Dual Channel	[1] 4.3.2.2	C.1	☑	C.1: At least one of the values shall be supported.
3a/3	Channel Mode – Stereo	[1] 4.3.2.2	C.1	☑	C.1: At least one of the values shall be supported.
3a/4	Channel Mode – Joint Stereo	[1] 4.3.2.2	C.1	☑	C.1: At least one of the values shall be supported.
3a/5	Block Length 4	[1] 4.3.2.3	M	☑	
3a/6	Block Length 8	[1] 4.3.2.3	M	☑	
3a/7	Block Length 12	[1] 4.3.2.3	M	☑	
3a/8	Block Length 16	[1] 4.3.2.3	M	☑	
3a/10	Subbands – 8	[1] 4.3.2.4	M	☑	
3a/12	Allocation – Loudness	[1] 4.3.2.5	M	☑	

Table 4: A2DP Sink Features

Item	Capability	System Spec Reference	Support	Status	Comment
4/2	Accept Connection Establishment	[4] 4.1.1	M	☑	
4/4	Accept Start Streaming	[4] 4.1.2	M	☑	
4/5	Receive Audio Stream	[1] 3.2.1	M	☑	
4/7	Accept Connection Release	[4] 4.1.3	M	☑	
4/9	Accept Suspend	[4] 4.1.4	O	☑	
4/10	SBC Decoder	[1] 4.3	M	☑	
4/13	SBC Configurations in 44.1 KHz sampling frequency rate	[1] 4.3.2.1	M	☑	
4/14	SBC Configurations in 48 KHz sampling frequency rate	[1] 4.3.2.1	M	☑	

Table 5: Supported codecs in SNK

Item	Capability	System Spec Reference	Support	Status	Comment
5/1	SBC decoder - D1 & D2	[1] 4.3 & Appendix B, [3] Appendix A	M	☑	

Table 5a: Supported Codec Features in SNK

Prerequisite: A2DP 5/1

Item	Capability	System Spec Reference	Support	Status	Comment
5a/1	Channel Mode - Mono	[1] 4.3.2.2	M	☑	
5a/2	Channel Mode - Dual Channel	[1] 4.3.2.2	M	☑	
5a/3	Channel Mode - Stereo	[1] 4.3.2.2	M	☑	
5a/4	Channel Mode - Joint Stereo	[1] 4.3.2.2	M	☑	
5a/5	Block Length 4	[1] 4.3.2.3	M	☑	
5a/6	Block Length 8	[1] 4.3.2.3	M	☑	
5a/7	Block Length 12	[1] 4.3.2.3	M	☑	
5a/8	Block Length 16	[1] 4.3.2.3	M	☑	
5a/9	Subbands - 4	[1] 4.3.2.4	M	☑	
5a/10	Subbands - 8	[1] 4.3.2.4	M	☑	
5a/11	Allocation - SNR	[1] 4.3.2.5	M	☑	
5a/12	Allocation - Loudness	[1] 4.3.2.5	M	☑	

A/V Remote Control Profile

Table 0: No Longer Used

Item	Capability	System Spec Reference	Support	Status	Comment
0/2	Item no longer used. Version selection now 2b/2 or 7b/2 for AVRCP 1.3			<input checked="" type="checkbox"/>	

Table 1: Roles

Item	Capability	System Spec Reference	Support	Status	Comment
1/1	Controller	2.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one of the defined roles.

Table 2b: Controller Major Profile Version (X.Y)

Item	Capability	System Spec Reference	Support	Status	Comment
2b/2	AVRCP v1.3	AVRCP v1.3	C.1	<input checked="" type="checkbox"/>	C.1: It is mandatory to support one of the profile versions.

Table 2c: Controller Minor Profile Version (X.Y.Z)

Prerequisite: AVRCP 2b/5

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 7b: Target Major Profile Version (X.Y)

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 7c: Target Minor Profile Version (X.Y.Z)

Prerequisite: AVRCP 7b/5

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 2: Controller Features

Item	Capability	System Spec Reference	Support	Status	Comment
2/1	Initiating connection establishment for control	4.1.1	M	<input checked="" type="checkbox"/>	
2/2	Accepting connection establishment for control initiated by TG	4.1.1	M	<input checked="" type="checkbox"/>	
2/3	Initiating connection release for control	4.1.2	M	<input checked="" type="checkbox"/>	
2/4	Accepting connection release for control initiated by TG	4.1.2	M	<input checked="" type="checkbox"/>	
2/8	Sending PASS THROUGH command in category 2	4.1.3	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one of the defined categories (2/7 through 2/10).

Table 3: Operation_id of Category 1 for CT

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 4: Operation_id of category 2 for CT

Prerequisite: AVRCP 2/8

Item	Capability	System Spec Reference	Support	Status	Comment
4/1	0	See Comments	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one if 2/8 is supported.
4/2	1	See Comments	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one if 2/8 is supported.
4/3	2	See Comments	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one if 2/8 is supported.
4/4	3	See Comments	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one if 2/8 is supported.
4/5	4	See Comments	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one if 2/8 is supported.

4/6	5	See Comments	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one if 2/8 is supported.
4/7	6	See Comments	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one if 2/8 is supported.
4/8	7	See Comments	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one if 2/8 is supported.
4/9	8	See Comments	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one if 2/8 is supported.
4/10	9	See Comments	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one if 2/8 is supported.
4/11	dot	See Comments	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one if 2/8 is supported.
4/12	enter	See Comments	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one if 2/8 is supported.
4/13	clear	See Comments	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one if 2/8 is supported.
4/16	displayinformation	See Comments	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one if 2/8 is supported.
4/17	help	See Comments	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one if 2/8 is supported.
4/18	power	See Comments	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one if 2/8 is supported.
4/19	volume up	See Comments	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one if 2/8 is supported.
4/20	volume down	See Comments	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one if 2/8 is supported.
4/21	mute	See Comments	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one if 2/8 is supported.

Table 5: Operation_id of category 3 for CT

Prerequisite: AVRCP 2/9

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 6: Operation_id of category 4 for CT

Prerequisite: AVRCP 2/10

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 14: OBEX Operations (AVRCP CT, OBEX Client)

Prerequisite: AVRCP 2/54

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 7: Target Features

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 8: Operation_id of category 1 for TG

Prerequisite: AVRCP 7/7

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 9: Operation_id of category 2 for TG

Prerequisite: AVRCP 7/8

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 10: Operation_id of category 3 for TG

Prerequisite: AVRCP 7/9

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 11: Operation_id of category 4 for TG

Prerequisite: AVRCP 7/10

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 15: OBEX Operations (AVRCP TG, OBEX Server)

Prerequisite: AVRCP 7/67

Item	Capability	System Spec Reference	Support	Status	Comment
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Generic A/V Distribution Profile

Table 0: Profile Version

Item	Capability	System Spec Reference	Support	Status	Comment
0/2	GAVDP 1.2	GAVDP 1.2	C.1	☑	C.1: Mandatory to support only one Profile version.

Table 0a: This table is intentionally left blank

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 1: Roles

Item	Capability	System Spec Reference	Support	Status	Comment
1/1	Initiator	2.2	C.1	☑	C.1: It is Mandatory to support at least One of the defined roles.
1/2	Acceptor	2.2	C.1	☑	C.1: It is Mandatory to support at least One of the defined roles.

The Generic Audio/Video Distribution Profile requires compliance with the Audio/Video Distribution Transport Protocol (AVDTP). It inherits the "mandatory", "optional", "conditional" and "excluded" definitions from the Audio/Video Distribution Trans

Table 2: GAVDP Procedures (Initiator)

Item	Capability	System Spec Reference	Support	Status	Comment
2/1	Connection Establishment	4.1.1	M	☑	
2/4	Start Streaming	4.1.2	M	☑	
2/5	Connection Release	4.1.3	M	☑	
2/6	Signaling Control - Abort	4.1.6	M	☑	

The Generic Audio/Video Distribution Profile requires compliance with the Audio/Video Distribution Transport Protocol (AVDTP). It inherits the "mandatory", "optional", "conditional" and "excluded" definitions from the Audio/Video Distribution Trans

Table 3: GAVDP Procedures (Acceptor)

Item	Capability	System Spec Reference	Support	Status	Comment
3/1	Connection Establishment	4.1.1, 4.1.2 4.1.3	M	☑	
3/4	Start Streaming	4.1.2	M	☑	
3/5	Connection Release	4.1.3	M	☑	
3/6	Signaling Control - Abort	4.1.6	M	☑	

Audio Video Distribution Transport Protocol

Table 0: Versions

Item	Capability	System Spec Reference	Support	Status	Comment
0/2	AVDTP 1.2	AVDTP 1.2	C.1	☑	C.1: Mandatory to support one and only one protocol version.

Table 1: Roles

Item	Capability	System Spec Reference	Support	Status	Comment
1/1	Source	[1] 4.2	C.1	☑	C.1: Mandatory to support at least one of the defined roles.
1/2	Sink	[1] 4.2	C.1	☑	C.1: Mandatory to support at least one of the defined roles.
1/3	Initiator	[1] 4.3	C.2	☑	C.2: It is within the scope of profiles using the AVDTP specification to mandate Initiator/Acceptor capabilities. Mandatory to support at least one of the defined roles.

1/4	Acceptor	[1] 4.3	C.2	<input checked="" type="checkbox"/>	C.2: It is within the scope of profiles using the AVDTP specification to mandate Initiator/Acceptor capabilities. Mandatory to support at least one of the defined roles.
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Table 16: Message Error Handling Capabilities

Item	Capability	System Spec Reference	Support	Status	Comment
16/1	Reporting Capability Error	[2] 8.18.6.2, [3] 8.20.6.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF 0/2 "AVDTP 1.2" OR 0/3 "AVDTP 1.3" is supported, otherwise Optional.

Table 17: Upper Test Interface

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 18: L2CAP Capabilities

Item	Capability	System Spec Reference	Support	Status	Comment
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Initiator Source and Sink

Table 2: Signalling message format (Initiator, Source)

Prerequisite: AVDTP 1/1

Item	Capability	System Spec Reference	Support	Status	Comment
2/1	Transaction label	[1] 8.4.1	M	<input checked="" type="checkbox"/>	
2/2	Packet type	[1] 8.4.2	M	<input checked="" type="checkbox"/>	
2/3	Message type	[1] 8.4.3	M	<input checked="" type="checkbox"/>	
2/4	Signal identifier	[1] 8.4.4	M	<input checked="" type="checkbox"/>	

Table 2b: Signaling Message Format (Initiator, Sink)

Prerequisite: AVDTP 1/2

Item	Capability	System Spec Reference	Support	Status	Comment
2b/1	Transaction Label	[1] 8.4.1	M	<input checked="" type="checkbox"/>	
2b/2	Packet Type	[1] 8.4.2	M	<input checked="" type="checkbox"/>	
2b/3	Message Type	[1] 8.4.3	M	<input checked="" type="checkbox"/>	
2b/4	Signal Identifier	[1] 8.4.4	M	<input checked="" type="checkbox"/>	

Table 3: Signalling channel establishment/disconnection (Initiator, Source)

Prerequisite: AVDTP 1/1

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 3b: Signaling Channel Establishment/Disconnection (Initiator, Sink)

Prerequisite: AVDTP 1/2

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 4: Stream discovery and configuration (Initiator, Source)

Prerequisite: AVDTP 1/1

Item	Capability	System Spec Reference	Support	Status	Comment
4/1	Stream discover command	[1] 6.4, 6.6, 8.6, 13.1	O	<input checked="" type="checkbox"/>	
4/2	Stream get capabilities command	[1] 6.4, 6.7, 8.7, 13.1	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory IF 4/6 "Stream get all capabilities command" is supported, otherwise Optional.
4/3	Set configuration command	[1] [2] 6.4, 6.8, 8.8, 13.1 [3] 6.4, 6.9, 8.9, 13.1	O	<input checked="" type="checkbox"/>	

Table 4b: Stream Discovery and Configuration (Initiator, Sink)

Prerequisite: AVDTP 1/2

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 5: Stream establishment, suspension and release (Initiator, Source)

Prerequisite: AVDTP 1/1

Item	Capability	System Spec Reference	Support	Status	Comment
5/1	Open stream command	[1] [2] 6.4, 6.10, 8.11, 13.1 [3] 6.4, 6.11, 8.12, 13.1	O	<input checked="" type="checkbox"/>	
5/2	Start stream command	[1] [2] 6.4, 6.11, 8.12, 13.1 [3] 6.4, 6.12, 8.13, 13.1	O	<input checked="" type="checkbox"/>	
5/3	Close stream command	[1] [2] 6.4, 6.12, 8.13, 13.1 [3] 6.4, 6.13, 8.14, 13.1	O	<input checked="" type="checkbox"/>	
5/4	Suspend command	[1] [2] 6.4, 6.13, 8.14, 13.1 [3] 6.4, 6.14, 8.15, 13.1	O	<input checked="" type="checkbox"/>	
5/5	Abort stream command	[1] [2] 6.4, 6.16, 8.15, 13.1 [3] 6.4, 6.17, 8.16, 13.1	O	<input checked="" type="checkbox"/>	

Table 5b: Stream Establishment, Suspension and Release (Initiator, Sink)

Prerequisite: AVDTP 1/2

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 6: Security signalling (Initiator, Source)

Prerequisite: AVDTP 1/1

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 6b: Security Signaling (Initiator, Sink)

Prerequisite: AVDTP 1/2

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 7: Message fragmentation (Initiator, Source)

Prerequisite: AVDTP 1/1

Item	Capability	System Spec Reference	Support	Status	Comment
7/1	Signalling message fragmentation	[1] 8.3	M	<input checked="" type="checkbox"/>	

Table 7b: Message Fragmentation (Initiator, Sink)

Prerequisite: AVDTP 1/2

Item	Capability	System Spec Reference	Support	Status	Comment
7b/1	Signaling message fragmentation	[1] 8.3	M	<input checked="" type="checkbox"/>	

Acceptor Source and Sink**Table 8: Signaling Message Format (Acceptor, Source)**

Prerequisite: AVDTP 1/1

Item	Capability	System Spec Reference	Support	Status	Comment
8/1	Transaction Label	[1] 8.4.1	M	<input checked="" type="checkbox"/>	
8/2	Packet Type	[1] 8.4.2	M	<input checked="" type="checkbox"/>	
8/3	Message Type	[1] 8.4.3	M	<input checked="" type="checkbox"/>	
8/4	Signal Identifier	[1] 8.4.4	M	<input checked="" type="checkbox"/>	

Table 8b: Signaling Message Format (Acceptor, Sink)

Prerequisite: AVDTP 1/2

Item	Capability	System Spec Reference	Support	Status	Comment
8b/1	Transaction Label	[1] 8.4.1	M	<input checked="" type="checkbox"/>	
8b/2	Packet Type	[1] 8.4.2	M	<input checked="" type="checkbox"/>	
8b/3	Message Type	[1] 8.4.3	M	<input checked="" type="checkbox"/>	

8b/4	Signal Identifier	[1] 8.4.4	M	<input checked="" type="checkbox"/>
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Table 9: Signalling channel establishment/disconnection (Acceptor, Source)

Prerequisite: AVDTP 1/1

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 9b: Signaling Channel Establishment/Disconnection (Acceptor, Sink)

Prerequisite: AVDTP 1/2

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 10: Stream discovery and configuration (Acceptor, Source)

Item	Capability	System Spec Reference	Support	Status	Comment
10/1	Stream discover response	[1] 6.4, 6.6, 8.6, 13.1	O	<input checked="" type="checkbox"/>	
10/2	Stream get capabilities response	[1] 6.4, 6.7, 8.7, 13.1	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory IF 10/6 "Stream get all capabilities response" is supported, otherwise Optional.
10/3	Set configuration response	[1] [2] 6.4, 6.8, 8.8, 13.1 [3] 6.4, 6.9, 8.9, 13.1	O	<input checked="" type="checkbox"/>	

Table 10b: Stream Discovery and Configuration (Acceptor, Sink)

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 11: Stream establishment, suspension and release (Acceptor, Source)

Prerequisite: AVDTP 1/1

Item	Capability	System Spec Reference	Support	Status	Comment
11/1	Open stream response	[1] [2] 6.4, 6.10, 8.11, 13.1 [3] 6.4, 6.11, 8.12, 13.1	O	<input checked="" type="checkbox"/>	
11/2	Start stream response	[1] [2] 6.4, 6.11, 8.12, 13.1 [3] 6.4, 6.12, 8.13, 13.1	O	<input checked="" type="checkbox"/>	
11/3	Close stream response	[1] [2] 6.4, 6.12, 8.13, 13.1 [3] 6.4, 6.13, 8.14, 13.1	O	<input checked="" type="checkbox"/>	
11/4	Suspend response	[1] [2] 6.4, 6.13, 8.14, 13.1 [3] 6.4, 6.14, 8.15, 13.1	O	<input checked="" type="checkbox"/>	
11/5	Abort stream response	[1] [2] 6.4, 6.16, 8.15, 13.1 [3] 6.4, 6.17, 8.16, 13.1	O	<input checked="" type="checkbox"/>	
11/6	General reject message	[2] 8.17, [3] 8.18	O	<input checked="" type="checkbox"/>	

Table 11b: Stream Establishment, Suspension and Release (Acceptor, Sink)

Prerequisite: AVDTP 1/2

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 12: Security signalling (Acceptor, Source)

Prerequisite: AVDTP 1/1

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 12b: Security Signaling (Acceptor, Sink)

Prerequisite: AVDTP 1/2

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 13: Message fragmentation (Acceptor, Source)

Prerequisite: AVDTP 1/1

Item	Capability	System Spec Reference	Support	Status	Comment
13/1	Signalling message fragmentation	[1] 8.3	M	<input checked="" type="checkbox"/>	

Table 13b: Message Fragmentation (Acceptor, Sink)

Prerequisite: AVDTP 1/2

Item	Capability	System Spec Reference	Support	Status	Comment
13b/1	Signaling message fragmentation	[1] 8.3	M	<input checked="" type="checkbox"/>	

Table 14: Source capabilities

Item	Capability	System Spec Reference	Support	Status	Comment
14/1	Basic transport service support	[1] 7.2, 13.2	M	<input checked="" type="checkbox"/>	

Table 15: Sink capabilities

Item	Capability	System Spec Reference	Support	Status	Comment
15/1	Basic transport service support	[1] 7.2, 13.2	M	<input checked="" type="checkbox"/>	

Table 16x: No Longer Used - See Table 16 in Role Declaraton Section

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 17x: No Longer Used - See Table 17 in Role Declaration Section

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 18x: No Longer Used - See Table 18 in Role Declaration Section

Item	Capability	System Spec Reference	Support	Status	Comment
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Audio/Video Control Transport Protocol

Table 0: Protocol Version

Item	Capability	System Spec Reference	Support	Status	Comment
0/4	AVCTP 1.4	AVCTP 1.4	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support only one Protocol Version.

Table 1: Roles

Item	Capability	System Spec Reference	Support	Status	Comment
1/1	Controller	3.1	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one of the defined roles.

Table 2: Controller Features

Prerequisite: AVCTP 1/1

Item	Capability	System Spec Reference	Support	Status	Comment
2/1	Message fragmentation	4.3 6.1.2	O	<input checked="" type="checkbox"/>	
2/2	Transaction label management	4.2, 6.1.1, 6.1.2	M	<input checked="" type="checkbox"/>	
2/3	Packet type field management	4.3, 6.1.1, 6.1.2	M	<input checked="" type="checkbox"/>	
2/4	Message type field management	4.5, 6.1.1, 6.1.2	M	<input checked="" type="checkbox"/>	
2/5	PID field management	4.4, 6.1.1, 6.1.2	M	<input checked="" type="checkbox"/>	
2/6	IPID field mangement	6.1.1, 6.1.2	M	<input checked="" type="checkbox"/>	
2/7	Message information management	6.1, 6.2	M	<input checked="" type="checkbox"/>	

Table 3: Target Features

Prerequisite: AVCTP 1/2

Item	Capability	System Spec Reference	Support	Status	Comment
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Hands-Free Profile

Table 0: Profile Version

Item	Capability	System Spec Reference	Support	Status	Comment
0/2	Item no longer use. Version selection now 0a/2 or 0b/2 for HFP 1.6	N/A	N/A	☑	

Table 0a: AG Major Profile Version (X.Y)

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 0b: HF Major Profile Version

Item	Capability	System Spec Reference	Support	Status	Comment
0b/2	Hands-Free Profile 1.6	HFP 1.6	C.1	☑	C.1: Mandatory to support one and only one profile version.

Table 0c: AG Minor Profile Version (X.Y.Z)

Prerequisite: HFP 0a/3

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 0d: HF Minor Profile Version (X.Y.Z)

Prerequisite: HFP 0b/3

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 1: Roles

Item	Capability	System Spec Reference	Support	Status	Comment
1/2	Hands-Free (HF)	2.2	C.1	☑	C.1: It is mandatory to support at least one of the defined roles.

Table 2: Audio Gateway Role

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 3: Capabilities of the HF

Item	Capability	System Spec Reference	Support	Status	Comment
3/1	Connection Management	4.2; 4.3	M	☑	
3/2a	Phone Status Information ("service" and "call" indicators)	4.4; 4.10	M	☑	
3/3	Audio connection handling	4.11; 4.12	M	☑	
3/3b	eSCO support in Audio Connection	5.7.1	C.7	☑	C.7: Mandatory IF 3/26 (S4 Setting) OR 3/24 (Wide Band Speech service) is supported, otherwise Optional.
3/4a	Accept an incoming voice call (in-band ring)	4.13	M	☑	
3/4b	Accept an incoming voice call (no in-band ring)	4.13	M	☑	
3/5	Reject an incoming voice call	4.14	M	☑	
3/6	Terminate a call	4.15	M	☑	
3/7	Audio connection transfer during an ongoing call	4.16; 4.17	M	☑	

Table 4: Requirements towards the Link Control Procedures of the Serial Port Profile (AG and HF)

Item	Capability	System Spec Reference	Support	Status	Comment
4/1	CVSD audio coding over SCO	2.3	M	<input checked="" type="checkbox"/>	
4/3	CVSD audio coding over eSCO (Initiating)	HFP 1.7 - 5.7.3	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory IF HFP 2/3b (eSCO support in Audio Connection - AG) OR HFP 3/3b (eSCO support in Audio Connection - HF); otherwise Excluded.
4/4	CVSD audio coding over eSCO (Accepting)	HFP 1.7 - 5/7/3	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory IF HFP 2/3b (eSCO support in Audio Connection - AG) OR HFP 3/3b (eSCO support in Audio Connection - HF); otherwise Excluded.

Table 8: Additional Hands-Free Capabilities

Item	Capability	System Spec Reference	Support	Status	Comment
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Host Controller Interface

Host Controller Interface

Table 1: Generic Events

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 1a: Roles

Item	Capability	System Spec Reference	Support	Status	Comment
1a/2	Host	2.0	O.1	<input checked="" type="checkbox"/>	O.1: It is mandatory to support at least one of the defined roles.

Table 2: Device Setup

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 3: Controller Flow Control

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 4: Controller Information

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 5: Controller Configuration

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 6: Device Discovery

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 7: Connection Setup

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 8: Remote Information

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 9: Synchronous Connections

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 10: Connection State

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 11: Piconet Structure

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 12: Quality of Service

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 13: Physical Links

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 14: Host Flow Control

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 15: Link Information

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 16: Authentication and Encryption

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 17: Testing

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 18: Connectionless Slave Broadcast

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 19: Alignment with External Timing Source

Item	Capability	System Spec Reference	Support	Status	Comment
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4.0 Host Controller Interface

Table 1: Generic Events

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 1a: Roles

Item	Capability	System Spec Reference	Support	Status	Comment
1a/2	Host	1	C.1	<input checked="" type="checkbox"/>	C.1: It is mandatory to support at least one of the defined roles.

Table 2: Device Setup

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 3: Controller Flow Control

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 4: Controller Information

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 5: Controller Configuration

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 6: Device Discovery

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 7: Connection Setup

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 8: Remote Information

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 10: Connection State

Prerequisite: LL 9/6

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 13: Physical Links

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 14: Host Flow Control

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 15: Link Information

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 16: Authentication and Encryption

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 17: Testing

Item	Capability	System Spec Reference	Support	Status	Comment
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Generic Attribute Profile

Table 1: Generic Attribute Profile Support

Item	Capability	System Spec Reference	Support	Status	Comment
1/1	Generic Attribute Profile Client	GATT 2.2	C.1	☑	C.1: Optional to support IF 2/2 (Attribute Protocol Supported over LE); else IF 2/1 (Attribute Protocol Supported over BR/EDR) it is Mandatory to support at least one of 1/1 (GATT Client) OR 1/2 (GATT Server).
1/2	Generic Attribute Profile Server	GATT 2.2	C.2	☑	C.2: Mandatory to support IF 2/2 (Attribute Protocol Supported over LE); else IF 2/1 (Attribute Protocol Supported over BR/EDR) it is Mandatory to support at least one of 1/1 (GATT Client) or 1/2 (GATT Server).

Table 2: Attribute Protocol Transport

Item	Capability	System Spec Reference	Support	Status	Comment
2/1	Attribute Protocol Supported over BR/EDR (L2CAP fixed channel support)	GATT 2.2	C.1	☑	C.1: Mandatory if (PROD 3/1 or 3/2 or 3/4 or 3/5) is supported, otherwise Excluded. (Mandatory if Host CC contains BR)
2/2	Attribute Protocol Supported over LE	GATT 2.2	C.2	☑	C.2: Mandatory if (PROD 3/3 or 3/4 or 3/5) is supported, otherwise Excluded. (Mandatory if Host CC contains LE).

Table 3: Generic Attribute Profile Feature Support, by client

Item	Capability	System Spec Reference	Support	Status	Comment
3/23	Service Changed Characteristic	7.1	M	☑	

Table 3B: Profile Attribute Types and Formats, by client

Prerequisite: GATT 1/3

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 4: Attribute Profile Support, by server

Item	Capability	System Spec Reference	Support	Status	Comment
4/1	Exchange MTU	4.3.1	C.6	☑	C.6: Mandatory IF GATT 1/4 (Complete GATT Server) OR ATT 4/3 (Exchange MTU Response) is supported, otherwise Optional.
4/2	Discover All Primary Services	4.4.1	M	☑	
4/3	Discover Primary Services by Service UUID	4.4.2	M	☑	
4/4	Find Included Services	4.5.1	M	☑	
4/5	Discover All characteristics of a Service	4.6.1	M	☑	
4/6	Discover Characteristics by UUID	4.6.2	M	☑	
4/7	Discover All Characteristic Descriptors	4.7.1	M	☑	
4/8	Read Characteristic Value	4.8.1	M	☑	
4/9	Read Using Characteristic UUID	4.8.2	M	☑	
4/10	Read Long Characteristic Values	4.8.3	C.4	☑	C.4: Mandatory if 1/4 is supported, otherwise Optional.
4/12	Write without Response	4.9.1	C.2	☑	C.2: Mandatory if 4/13 is supported, otherwise Optional.
4/14	Write Characteristic Value	4.9.3	C.3	☑	C.3: Mandatory if 4/15 is supported, otherwise Optional.
4/17	Notifications	4.10.1	C.4	☑	C.4: Mandatory if 1/4 is supported, otherwise Optional.
4/18	Indications	4.11.1	C.1	☑	C.1: Mandatory if service definitions on the server can be added, changed, or removed, otherwise Optional.

4/19	Read Characteristic Descriptors	4.12.1	C.4	<input checked="" type="checkbox"/>	C.4: Mandatory if 1/4 is supported, otherwise Optional.
4/21	Write Characteristic Descriptors	4.12.3	C.4	<input checked="" type="checkbox"/>	C.4: Mandatory if 1/4 is supported, otherwise Optional.
4/23	Service Changed Characteristic	7.1	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if service definitions on the server can be added, changed, or removed, otherwise Optional.

Table 4B: Profile Attribute Types and Characteristic Formats, by server

Prerequisite: GATT 1/4

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 5: Deleted

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 6: SDP Interoperability

Prerequisite: GATT 2/1

Item	Capability	System Spec Reference	Support	Status	Comment
6/2	Discover GATT Services using Service Discovery Profile	GATT 4.4	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if 1/1 and 2/1 are supported.
6/3	Publish SDP record for GATT services support via BR/EDR	GATT 9	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory if 1/2 and 2/1 are supported.

Table 7: Attribute Protocol Transport

Item	Capability	System Spec Reference	Support	Status	Comment
7/1	Security Mode 4	GAP 5	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if 2/1 is supported, otherwise Excluded.

Table 8: Attribute Protocol Transport

Item	Capability	System Spec Reference	Support	Status	Comment
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Security Manager Protocol

Table 1: Roles

Item	Capability	System Spec Reference	Support	Status	Comment
1/1	Master Role (Initiator)	[1] 2.4	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support if 1/2 (Slave Role (Responder)) is NOT supported, otherwise Optional

Table 2: Security Properties

Item	Capability	System Spec Reference	Support	Status	Comment
2/2	Unauthenticated no MTM protection	[1] 2.3.1	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if 2/1 is supported, otherwise Optional.
2/3	No security requirements	[1] 2.3.1	M	<input checked="" type="checkbox"/>	
2/5	LE Secure Connections	[3] 2.3.1	C.2	<input checked="" type="checkbox"/>	C.2: Optional if (Core Spec 4.2 or later) is supported, otherwise Excluded.

Table 3: Encryption Key Size

Prerequisite: SM 2/1 or SM 2/2 or SM 2/4

Item	Capability	System Spec Reference	Support	Status	Comment
3/1	Encryption Key Size Negotiation	[1] 2.3.4	M	<input checked="" type="checkbox"/>	

Table 4: Pairing Method

Item	Capability	System Spec Reference	Support	Status	Comment
4/2	Passkey Entry	[1] 2.3.5	C.1	<input checked="" type="checkbox"/>	C.1: If 2/1 is supported, at least one of these features shall be supported.

Table 5: Security Initiation

Item	Capability	System Spec Reference	Support	Status	Comment
5/1	Encryption Setup using STK	[1] 2.4	C.3	<input checked="" type="checkbox"/>	C.3: Mandatory if (2/1 or 2/2 or 2/4) is supported, otherwise Excluded.
5/4	Slave Initiated Security – Master response	[1] 2.4.6	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory if 1/1 is supported, otherwise Excluded.

Table 6: Signing Algorithm

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 7: Key Distribution

Item	Capability	System Spec Reference	Support	Status	Comment
7/1	Encryption Key	GAP 9.4.3	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if (GAP 24/2 or 42/6) is supported, otherwise Optional.
7/2	Identity Key	GAP 10.7	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory if (GAP 26/3) is supported, otherwise Optional.

Attribute Protocol

Table 1: Attribute Protocol Support

Item	Capability	System Spec Reference	Support	Status	Comment
1/2	Attribute Protocol Server	ATT 1.1, GAP 12	M	<input checked="" type="checkbox"/>	

Table 2: Attribute Protocol Transport

Item	Capability	System Spec Reference	Support	Status	Comment
2/1	Attribute Protocol Supported over BR/EDR (L2CAP fixed channel support)	ATT 1.3	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one of 2/1 or 2/2.
2/2	Attribute Protocol Supported over LE	ATT 1.3	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one of 2/1 or 2/2.

Table 3: Attribute Protocol Client Messages

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 4: Attribute Protocol Server Messages

Item	Capability	System Spec Reference	Support	Status	Comment
4/1	Attribute Error Response	ATT, 3.4.1.1	M	<input checked="" type="checkbox"/>	
4/2	Exchange MTU Request	ATT, 3.4.2.1	M	<input checked="" type="checkbox"/>	
4/3	Exchange MTU Response	ATT, 3.4.2.2	M	<input checked="" type="checkbox"/>	
4/4	Find Information Request	ATT, 3.4.3.1	M	<input checked="" type="checkbox"/>	
4/5	Find Information	ATT, 3.4.3.2	M	<input checked="" type="checkbox"/>	

Response					
4/6	Find by Type Value Request	ATT, 3.4.4.3	M	<input checked="" type="checkbox"/>	
4/7	Find by Type Value Response	ATT, 3.4.4.4	M	<input checked="" type="checkbox"/>	
4/8	Read by Type Request	ATT, 3.4.4.1	M	<input checked="" type="checkbox"/>	
4/9	Read by Type Response	ATT, 3.4.4.2	M	<input checked="" type="checkbox"/>	
4/10	Read Request	ATT, 3.4.4.3	M	<input checked="" type="checkbox"/>	
4/11	Read Response	ATT, 3.4.4.4	M	<input checked="" type="checkbox"/>	
4/12	Read Blob Request	ATT, 3.4.4.5	C.6	<input checked="" type="checkbox"/>	C.6: Mandatory IF GATT 4/10 (GATT Server Read Long Characteristic Values) is supported, otherwise Optional.
4/13	Read Blob Response	ATT, 3.4.4.6	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if 4/12 is supported, otherwise Excluded.
4/16	Read by Group Type Request	ATT, 3.4.4.9	M	<input checked="" type="checkbox"/>	
4/17	Read by Group Type Response	ATT, 3.4.4.10	M	<input checked="" type="checkbox"/>	
4/18	Write Request	ATT, 3.4.5.1	C.10	<input checked="" type="checkbox"/>	C.10: Mandatory IF GATT 4/14 (GATT Server Write Characteristic Value) OR GATT 4/21 (GATT Server Write Characteristic Descriptors) is supported, otherwise Optional.
4/20	Write Command	ATT, 3.4.5.3	C.8	<input checked="" type="checkbox"/>	C.8: Mandatory IF GATT 4/12 (GATT Server Write Without Response) is supported, otherwise Optional.
4/26	Handle Value Notification	ATT, 3.4.7.1	C.12	<input checked="" type="checkbox"/>	C.12: Mandatory IF GATT 4/17 (GATT Server Notifications) is supported, otherwise Optional.
4/27	Handle-Value Indication	ATT, 3.4.7.2	C.13	<input checked="" type="checkbox"/>	C.13: Mandatory IF GATT 4/18 (GATT Server Indications) is supported, otherwise Optional.
4/28	Handle Value Confirmation	ATT, 3.4.7.3	C.5	<input checked="" type="checkbox"/>	C.5: Mandatory if 4/27 is supported, otherwise Excluded.
4/29	Server Timeout	ATT, 3.3.3	C.5	<input checked="" type="checkbox"/>	C.5: Mandatory if 4/27 is supported, otherwise Excluded.

Table 5: Attribute Protocol Transport

Item	Capability	System Spec Reference	Support	Status	Comment
5/1	Security Mode 4	GAP 5	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if 2/1 is supported, otherwise Excluded.

Device Information Service

Table 0: Service Version

Item	Capability	System Spec Reference	Support	Status	Comment
0/1	Device Information Service v1.1	DIS 1.1	M	<input checked="" type="checkbox"/>	

Table 1: Transport Requirements

Item	Capability	System Spec Reference	Support	Status	Comment
1/2	Service supported over LE	1.5	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one of the defined transports.

Table 2: Service Requirements

Item	Capability	System Spec Reference	Support	Status	Comment
2/1	Device Information Service	2	M	<input checked="" type="checkbox"/>	

Proximity Profile

Table 0: Profile Versions

Item	Capability	System Spec Reference	Support	Status	Comment
0/1	PXP 1.0	PXP 1.0	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support one and only one profile version.

Table 1: Profile Roles

Item	Capability	System Spec Reference	Support	Status	Comment
1/1	ProximityReporter (Server)	2.1	C.1	<input checked="" type="checkbox"/>	C.1: It is mandatory to support at least one of the defined roles.

Table 2: Transport

Item	Capability	System Spec Reference	Support	Status	Comment
2/2	Profile supported over LE	GAP 0/2 or 0/3	M	<input checked="" type="checkbox"/>	

Table 3: Services - Proximity Reporter

Prerequisite: PXP 1/1

Item	Capability	System Spec Reference	Support	Status	Comment
3/1	Implements Link Loss Service	3.1	M	<input checked="" type="checkbox"/>	

Table 4: GAP Requirements – Proximity Reporter

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 6: Features – Proximity Monitor

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 7: Discover Services & Characteristics – Proximity Monitor

Prerequisite: PXP 1/2

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 9: GAP Requirements – Proximity Monitor

Item	Capability	System Spec Reference	Support	Status	Comment
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Find Me Profile

Table 0: Versions

Item	Capability	System Spec Reference	Support	Status	Comment
0/1	FMP 1.0	[2]	M	<input checked="" type="checkbox"/>	

Table 1: Profile Roles

Item	Capability	System Spec Reference	Support	Status	Comment
1/1	Find Me Target (Server)	2.1	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one of the defined roles.

Table 2: Transport

Item	Capability	System Spec Reference	Support	Status	Comment
2/2	Profile supported over LE	GAP 0/2	M	<input checked="" type="checkbox"/>	

Table 3: Services – Find Me Target

Prerequisite: FMP 1/1

Item	Capability	System Spec Reference	Support	Status	Comment
3/1	Implements Immediate Alert Service	3.1	M	<input checked="" type="checkbox"/>	
3/2	A bonded Find Me Collector shall authenticate at connection creation	6	M	<input checked="" type="checkbox"/>	

Table 5: GAP Requirements – Find Me Target

Prerequisite: FMP 1/1

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 7: Features – Find Me Locator

Prerequisite: FMP 1/2

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 8: Discover Services & Characteristics – Find Me Locator

Prerequisite: FMP 1/2

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 10: GAP Requirements – Find Me Locator

Prerequisite: FMP 1/2

Item	Capability	System Spec Reference	Support	Status	Comment
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Immediate Alert Service

Table 1: Transport Requirements

Item	Capability	System Spec Reference	Support	Status	Comment
1/2	Service Supported over LE	GAP 0/2	M	<input checked="" type="checkbox"/>	

Table 2: Service Requirements

Item	Capability	System Spec Reference	Support	Status	Comment
2/1	Immediate Alert Service	2	M	<input checked="" type="checkbox"/>	
2/2	Alert Level Characteristic	3.1	M	<input checked="" type="checkbox"/>	
2/3	Alert Level Characteristic, Write without Response	3.1.1	M	<input checked="" type="checkbox"/>	
2/4	Writing Alert Level Behavior	4.1	M	<input checked="" type="checkbox"/>	

Link Loss Service

Table 0: Service Version

Item	Capability	System Spec Reference	Support	Status	Comment
0/1	LLS v1.0	LLS v1.0	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support one and only one service version.

Table 1: Transport Requirements

Item	Capability	System Spec Reference	Support	Status	Comment
1/2	Service supported over LE	GAP 0/2	M	<input checked="" type="checkbox"/>	

Table 2: Service Requirements

Item	Capability	System Spec Reference	Support	Status	Comment
2/1	Link Loss Service	2	M	<input checked="" type="checkbox"/>	

2/2	Alert Level Characteristic	3.1	M	☑	
2/3	Alert Level Characteristic, Read	3.1.1	M	☑	
2/4	Alert Level Characteristic, Write	3.1.1	M	☑	
2/5	Disconnection Behavior	4.1	M	☑	

TX Power Service

Table 1: Transport Requirements

Item	Capability	System Spec Reference	Support	Status	Comment
1/2	Service supported over LE	GAP 0/2	M	☑	

Table 2: Service Requirements

Item	Capability	System Spec Reference	Support	Status	Comment
2/1	TxPower Service	2.1	M	☑	
2/2	TxPower Level Characteristic	3.1	M	☑	
2/3	TxPower Level Characteristic, Read	3.1.1	M	☑	

HID over GATT Profile

Table 0: Profile Version

Item	Capability	System Spec Reference	Support	Status	Comment
0/1	HOGP 1.0	[2] 1.0	C.1	☑	C.1: Mandatory to support one and only one profile version.

Table 1: Profile Roles

Item	Capability	System Spec Reference	Support	Status	Comment
1/1	HID Device (Server)	2.1	C.1	☑	C.1: Mandatory to support at least one of 1/1 or 1/2 or 1/3.

Table 2: Transport

Item	Capability	System Spec Reference	Support	Status	Comment
2/2	Profile supported over LE	GAP 0/2 or 0/3	M	☑	

Table 3: Services – HID Device

Prerequisite: HOGP 1/1

Item	Capability	System Spec Reference	Support	Status	Comment
3/1	Implements HID Service	3.1	M	☑	
3/3	Implements Battery Service	3.2	M	☑	
3/4	Implements Device Information Service	3.3	M	☑	

Table 4: Features – HID Device

Prerequisite: HOGP 1/1

Item	Capability	System Spec Reference	Support	Status	Comment
4/4	Support Device Information Service characteristic: PnP ID	3.3.2	M	☑	
4/5	Report characteristic	4.8	C.1	☑	C.1: Mandatory to support at least one of these features.

Table 5: GAP Requirements – HID Device

Item	Capability	System Spec Reference	Support	Status	Comment
5/1	Peripheral	GAP 5/3 or 38/3	M	<input checked="" type="checkbox"/>	
5/3	Undirected Connectable Mode	GAP 23/3	M	<input checked="" type="checkbox"/>	
5/4	Bondable mode (peripheral)	GAP 24/2	M	<input checked="" type="checkbox"/>	
5/5	Bonding procedure (peripheral)	GAP 24/3	M	<input checked="" type="checkbox"/>	
5/6	LE Security Mode 1 (peripheral)	GAP 25/1	M	<input checked="" type="checkbox"/>	

Table 7: Client Services Support – Report Host

Prerequisite: HOGP 1/2

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 7a: GATT based Profile Support – Report Host

Prerequisite: HOGP 1/2

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 8: Client Services Support – Boot Host

Prerequisite: HOGP 1/3

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 9: Discover Services & Characteristics – Report Host

Prerequisite: HOGP 1/2

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 10: Discover Services & Characteristics – Boot Host

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 11: Features – Report Host

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 12: Features – Boot Host

Item	Capability	System Spec Reference	Support	Status	Comment
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Table 15: GAP Requirements – HID Host

Prerequisite: HOGP 1/2 or HOGP 1/3

Item	Capability	System Spec Reference	Support	Status	Comment
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HID Service

Table 1: Transport Requirements

Item	Capability	System Spec Reference	Support	Status	Comment
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1/2	Service supported over LE	1.5	M	<input checked="" type="checkbox"/>	
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Table 2: Service Requirements

Item	Capability	System Spec Reference	Support	Status	Comment
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2/1	HID Service	2	M	<input checked="" type="checkbox"/>	
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2/11	Report Map Characteristic	2.6	M	<input checked="" type="checkbox"/>	
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2/17	HID Control Point Characteristic	2.11	M	<input checked="" type="checkbox"/>
2/18	HID Information Characteristic	2.10	M	<input checked="" type="checkbox"/>

Battery Service

Table 0: Versions

Item	Capability	System Spec Reference	Support	Status	Comment
0/1	BAS 1.0		M	<input checked="" type="checkbox"/>	

Table 1: Transport Requirements

Item	Capability	System Spec Reference	Support	Status	Comment
1/2	Service supported over LE	1.5	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one of the defined transports.

Table 2: Service Requirements

Item	Capability	System Spec Reference	Support	Status	Comment
2/1	Battery Service	2	M	<input checked="" type="checkbox"/>	
2/3	Battery Level Characteristic	3.1	M	<input checked="" type="checkbox"/>	

Table 2a: Service Characteristics

Item	Capability	System Spec Reference	Support	Status	Comment
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