



Project Details

Project Name	K18X001
Product Type	End Product
TCRL Version:	TCRL 2021-1
Referenced Qualified Design(s)	
Previously Qualified Design Used in this Qualification(s)	129975 153103
Listing Date	2021-09-16
Declaration ID	D053853

Product Listing(s)

Name	Website	Category	Publish Date	Model Number	Description
AI Sound bar	https://www.foxconn.com	Audio and Visual	9/16/2021 12:00:00 AM	BFX-UA300	BFX-UA300 is AI Sound bar, support BR/EDR/BLE

Member Company	Hon Hai Precision Ind. Co., Ltd.	
Declaring Member Contact / Listing Contact Person	Name	solo huang
	Address	5F-1,Hsin-An Road Hsinchu,Science-Based Industrial Park Taiwan,R.O.C.
	City	Hsinchu City
	State	Taipei
	Country	Taiwan
	Postal Code	ROC

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 Hon Hai Precision Ind. Co., 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:

Hon Hai Precision Ind. Co., Ltd.

BLUETOOTH® LAUNCH STUDIO TERMS OF USE

Last Updated: February 25, 2021.

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.

3. REPRESENTATIONS AND ACKNOWLEDGEMENTS.

(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.

(e) You acknowledge and agree that a product is not a Bluetooth Product under the Bluetooth Trademark License Agreement and you and Member will not market or distribute any product that uses any Bluetooth® trademark on it or in connection with any related marketing, promotion, or advertising unless you or Member have been notified by Bluetooth SIG that it has completed the Bluetooth Qualification Process (e.g., via a confirmation screen or email from Bluetooth SIG expressly stating that the Product has completed the Bluetooth Qualification Process).

4. FEES AND PAYMENT TERMS.

(a) Bluetooth SIG may charge you fees in connection with the Bluetooth Qualification Process including within the Launch Studio Tool and Submissions (e.g., declaration fees, etc.). The type and amount of fees may change at any time. You agree that Member will pay all fees required by Bluetooth SIG in accordance with the instructions provided within the Launch Studio Tool. Bluetooth SIG may accept credit card payments or, if offered within the Launch Studio Tool, may permit you to pay fees offline. If you choose to pay offline, you will pay the invoice issued to you by Bluetooth SIG, according to the terms stated in the invoice. If you provide credit card payment information, you agree that Bluetooth SIG or its third party payment processor may charge your credit card immediately. You acknowledge that, until Bluetooth SIG has processed your payment and received the funds: you and Member will not acquire any of the rights or benefits for those fees. All sales are final and all payments are non-refundable.

(b) If you receive a discount on any fees based on your Member's level of membership and your Member's membership level changes (e.g., the Member moves from an associate to an adopter level), you will no longer be entitled to receive the discount and any fees owed and any outstanding invoices from Bluetooth SIG as of the date of the membership level change will be increased to reflect the amount owed without the discount. Further, if you prepaid any declaration fees and received a discount and you have not used the declaration fees as of the date of the membership level change, you may not use the declaration fees unless you pay the difference between the then-current standard fee and the discounted fee previously paid.

(c) *Declaration Fees.* Member must pay a declaration fee prior to completion of the Bluetooth Qualification Process. Bluetooth SIG will issue a unique identification number confirming payment of the declaration fee ("**Declaration ID**") and Member must provide the Declaration ID in the Submission as proof of payment before completing the Bluetooth Qualification Process. Any declaration fees you pay are paid by you on behalf of Member regardless of the payment method or source of funds and proof of payment is evidenced by the issuance of a Declaration ID. If requested by Member, Bluetooth SIG may reassign, without notice to you, a Declaration ID from your user account to another user account under the Member's membership account. All Declaration IDs expire 12 months from the date of issuance unless the Bluetooth Qualification Process is completed prior to expiration. No declaration fees will be refunded. Declaration IDs are nontransferable and may not be transferred to another member.

5. CONFIDENTIALITY OF SUBMISSIONS.

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.

Summary ICS

Table 21: Controller Core Configuration

Item	Capability	Reference	Support	Status	Comment
21/18	Core Specification Version 5.1. Adopted 15 January 2019	Core 5.1	C.1	☑	C.1: Mandatory to support one and only one of SUMICS 21/14 “Core v4.2” OR SUMICS 21/16 “Core v5.0” OR SUMICS 21/18 “Core v5.1” OR SUMICS 21/20 “Core v5.2” OR SUMICS 21/21 “Core v5.3”.
21/19	Core Erratum 11838 Key Size Updates. Adopted 13 August 2019	Erratum 11838	C.4	☑	C.4: Mandatory IF SUMICS 21/14 “Core v4.2” OR SUMICS 21/16 “Core v5.0” OR SUMICS 21/18 “Core v5.1” is supported, otherwise Excluded. (Applicable as a separate item in addition to specifications adopted prior to this erratum, integrated in specifications adopted later)

Table 22: EDR Features

Item	Capability	Reference	Support	Status	Comment
22/1	EDR for asynchronous transports (single slot)	Core 2.0+EDR or later	C.1	☑	C.1: Mandatory to support at least one of SUMICS 22/1 “EDR for asynchronous transports (single slot)” OR SUMICS 22/2 “EDR for asynchronous transports (multi-slot)” OR SUMICS 22/4 “EDR for synchronous transports (Core 3.0 or later)” IF SUMICS 41/1 “Core v3.0+HS or later” is supported, otherwise Optional.
22/2	EDR for asynchronous transports (multi-slot)	Core 2.0+EDR or later	C.1	☑	C.1: Mandatory to support at least one of SUMICS 22/1 “EDR for asynchronous transports (single slot)” OR SUMICS 22/2 “EDR for asynchronous transports (multi-slot)” OR SUMICS 22/4 “EDR for synchronous transports (Core 3.0 or later)” IF SUMICS 41/1 “Core v3.0+HS or later” is supported, otherwise Optional.
22/4	EDR for synchronous transports (Core 3.0 or later)	CSA1 and 3.0+HS or later	C.1	☑	C.1: Mandatory to support at least one of SUMICS 22/1 “EDR for asynchronous transports (single slot)” OR SUMICS 22/2 “EDR for asynchronous transports (multi-slot)” OR SUMICS 22/4 “EDR for synchronous transports (Core 3.0 or later)” IF SUMICS 41/1 “Core v3.0+HS or later” is supported, otherwise Optional.

Table 31: Host Core Specification

Item	Capability	Reference	Support	Status	Comment
31/21	Core Specification Version 5.2. Adopted 31 December 2019	Core 5.2	C.1	☑	C.1: Mandatory to support one and only one of SUMICS 31/17 “Core v4.2” OR SUMICS 31/18 “Core v4.2+HS” OR SUMICS 31/19 “Core v5.0” OR SUMICS 31/20 “Core v5.1” OR SUMICS 31/21 “Core v5.2” OR SUMICS 31/22 “Core v5.3”.

Table 34: LE Host Specification Parts

Item	Capability	Reference	Support	Status	Comment
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Table 41: AMP Controller Core Specification

Prerequisite: SUM ICS 21/14 "Core v4.2" OR SUM ICS 21/16 "Core v5.0" OR SUM ICS 21/18 "Core v5.1" OR SUM ICS 21/20 "Core v5.2"

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

Prerequisite: SUM ICS 21/14 "Core v4.2" OR SUM ICS 21/16 "Core v5.0" OR SUM ICS 21/18 "Core v5.1" OR SUM ICS 21/20 "Core v5.2"

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

Item	Capability	Reference	Support	Status	Comment
51/1	Low Energy Controller	Core 4.0 or Later	C.1	☑	C.1: Mandatory if PROD 2/4 or 2/5 or 2/6 is supported, otherwise Excluded.

Table 52: Low Energy Host Core Specification

Item	Capability	Reference	Support	Status	Comment
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52/1 Low Energy Host Core 4.0 or Later C.1 ☒ C.1: Mandatory if PROD 3/3 or 3/4 or 3/5 is supported, otherwise Excluded.

Product Type

Table 1: Product Types

Item	Capability	Reference	Support	Status	Comment
1/1	End Product	Vol. 0 Part B	C.1	☒	C.1: Mandatory to support one and only one Product Type.

Table 2: Controller Core Configuration

Item	Capability	Reference	Support	Status	Comment
2/5	BR/EDR/LE Combined Controller	Vol. 0 Part B	C.1	☒	C.1: Mandatory to support only one Controller Configuration. Optional if 1/2 or 1/3 is Supported.

Table 3: Host Core Configuration

Item	Capability	Reference	Support	Status	Comment
3/4	BR/LE Host	Vol. 0 Part B	C.1	☒	C.1: Mandatory to support only one Host Configuration. Optional if 1/2 or 1/3 is Supported.

Advanced Audio Distribution Profile

Table 1: Roles

Item	Capability	Reference	Support	Status	Comment
1/1	Source	[1] 2.2	C.1	☒	C.1: Mandatory to support at least one of the defined roles.

Table 2: A2DP SRC Features

Prerequisite: A2DP 1/1 "Source"

Item	Capability	Reference	Support	Status	Comment
2/1	Initiate Connection Establishment	[4] 4.1.1	M	☒	
2/2	Accept Connection Establishment	[4] 4.1.1	M	☒	
2/3	Initiate Start Streaming	[4] 4.1.2	M	☒	
2/4	Accept Start Streaming	[4] 4.1.2	M	☒	
2/5	Send Audio Stream	[1] 3.2.1	M	☒	
2/6	Initiate Connection Release	[4] 4.1.3	M	☒	
2/7	Accept Connection Release	[4] 4.1.3	M	☒	
2/10	SBC Encoder	[1] 4.3	M	☒	
2/13	SBC Configurations in 44.1 KHz sampling frequency rate	[1] 4.3.2.1	C.1	☒	C.1: Mandatory to support at least one of A2DP 2/13 "SBC Configurations in 44.1 KHz sampling frequency rate" OR A2DP 2/14 "SBC Configurations in 48 KHz sampling frequency rate".
2/14	SBC Configurations in 48 KHz sampling frequency rate	[1] 4.3.2.1	C.1	☒	C.1: Mandatory to support at least one of A2DP 2/13 "SBC Configurations in 44.1 KHz sampling frequency rate" OR A2DP 2/14 "SBC Configurations in 48 KHz sampling frequency rate".

Table 2a: A2DP SRC – Major Version (X.Y)

Prerequisite: A2DP 1/1 "Source"

Item	Capability	Reference	Support	Status	Comment
2a/3	A2DP 1.3	A2DP 1.3	C.1, C.2	☒	C.1: Mandatory to support one and only one of A2DP 2a/1 "A2DP 1.0" OR A2DP 2a/2 "A2DP 1.2" OR A2DP 2a/3 "A2DP 1.3". C.2: Can only be supported with an active minor version that refers to the respective major version after the date of deprecation. Deprecated 2014-04-29. Withdrawn 2023-02-01.

Table 2b: A2DP SRC – Minor Version (X.Y.Z)

Prerequisite: A2DP 1/1 "Source"

Item	Capability	Reference	Support	Status	Comment
2b/2	A2DP 1.3.2	A2DP 1.3.2	C.1	☑	C.1: Mandatory IF A2DP 2a/3 "A2DP 1.3" is supported, otherwise Excluded.

Table 8: SDP Attributes (Source)

Prerequisite: A2DP 1/1 "Source"

Item	Capability	Reference	Support	Status	Comment
8/2	ProtocolDescriptorList	[1] 5.3	M	☑	
8/3	BluetoothProfileDescriptorList	[1] 5.3	M	☑	

Table 9: GAVDP Roles (Source)

Prerequisite: A2DP 1/1 "Source"

Item	Capability	Reference	Support	Status	Comment
9/1	Initiator	[1] 5.1.1.1	M	☑	
9/2	Acceptor	[1] 5.1.1.1	M	☑	

Table 4: A2DP SNK Features

Prerequisite: A2DP 1/2 "Sink"

Item	Capability	Reference	Support	Status	Comment
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Table 7a: A2DP SNK – Major Version (X.Y)

Prerequisite: A2DP 1/2 "Sink"

Item	Capability	Reference	Support	Status	Comment
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Table 7b: A2DP SNK – Minor Version (X.Y.Z)

Prerequisite: A2DP 1/2 "Sink"

Item	Capability	Reference	Support	Status	Comment
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Table 12: SDP Attributes (Sink)

Prerequisite: A2DP 1/2 "Sink"

Item	Capability	Reference	Support	Status	Comment
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Table 13: GAVDP Roles (Sink)

Prerequisite: A2DP 1/2 "Sink"

Item	Capability	Reference	Support	Status	Comment
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Table 3: Supported Codecs in SRC

Prerequisite: A2DP 1/1 "Source"

Item	Capability	Reference	Support	Status	Comment
3/1	SBC encoder	[1] 4.3 & Appendix B, [3] Appendix A	M	☑	

Table 3a: Supported Codec Features in SRC

Prerequisite: A2DP 3/1 "SBC encoder"

Item	Capability	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: Mandatory to support at least one of A2DP 3a/2 "Channel Mode – Dual Channel" OR A2DP 3a/3 "Channel Mode – Stereo" OR A2DP 3a/4 "Channel Mode – Joint Stereo".
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 5: Supported Codecs in SNK

Prerequisite: A2DP 1/2 "Sink"

Item	Capability	Reference	Support	Status	Comment
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Table 5a: Supported Codec Features in SNK

Prerequisite: A2DP 5/1 "SBC Decoder"

Item	Capability	Reference	Support	Status	Comment
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Attribute Protocol

Table 1: Role

Item	Capability	Reference	Support	Status	Comment
1/1	Attribute Protocol Client	[1] ATT 1.1; [2] GAP 12	O	☑	
1/2	Attribute Protocol Server	[1] ATT 1.1, [2] GAP 12	M	☑	

Table 2: Transport Requirements

Item	Capability	Reference	Support	Status	Comment
2/1	Attribute Protocol Supported over BR/EDR (L2CAP Fixed ATT PSM support)	[1] ATT 1.3	C.1	☑	C.1: Optional IF (SUMICS 12/2 “Bluetooth Basic Rate Core Host Configuration” OR SUMICS 12/9 “Bluetooth Basic Rate and Low Energy Combined Core Host Configuration” is supported), otherwise Excluded.
2/2	Attribute Protocol Supported over LE	[1] ATT 1.3	C.2	☑	C.2: Mandatory IF (SUMICS 12/7 “Bluetooth Low Energy Core Host Configuration” OR SUMICS 12/9 “Bluetooth Basic Rate and Low Energy Combined Core Host Configuration” is supported), otherwise Excluded.

Table 3: Attribute Protocol Client Messages

Prerequisite: ATT 1/1 "Attribute Protocol Client"

Item	Capability	Reference	Support	Status	Comment
3/1	Attribute Error Response	[1] ATT, 3.4.1.1	M	☑	
3/4	Find Information Request	[1] ATT, 3.4.3.1	C.13	☑	C.13: Mandatory IF GATT 3/7 “Discover All Characteristic Descriptors” is supported, otherwise Optional.
3/5	Find Information Response	[1] ATT, 3.4.3.2	C.9	☑	C.9: Mandatory IF ATT 3/4 “Find Information Request” is supported, otherwise Excluded.
3/6	Find by Type Value Request	[1] ATT, 3.4.4.3	C.12	☑	C.12: Mandatory IF GATT 3/3 “Discover Primary Services by Service UUID” is supported, otherwise Optional.
3/7	Find by Type Value Response	[1] ATT, 3.4.4.4	C.2	☑	C.2: Mandatory IF ATT 3/6 “Find by Type Value Request” is supported, otherwise Excluded.
3/8	Read by Type Request	[1] ATT, 3.4.4.1	C.15	☑	C.15: Mandatory IF GATT 3/9 “Read Using Characteristic UUID” is supported, otherwise Optional.
3/9	Read by Type Response	[1] ATT, 3.4.4.2	C.3	☑	C.3: Mandatory IF ATT 3/8 “Read by Type Request” is supported, otherwise Excluded.
3/10	Read Request	[1] ATT, 3.4.4.3	C.14	☑	C.14: Mandatory IF GATT 3/8 “Read Characteristic Value” OR GATT 3/19 “Read Characteristic Descriptors” is supported, otherwise Optional.
3/11	Read Response	[1] ATT, 3.4.4.4	C.10	☑	C.10: Mandatory IF ATT 3/10 “Read Request” is supported, otherwise Excluded.
3/12	Read Blob Request	[1] ATT, 3.4.4.5	C.16	☑	C.16: Mandatory IF GATT 3/10 “Read Long Characteristic Values” OR GATT 3/20 “Read Long Characteristic Descriptors” is supported, otherwise Optional.
3/13	Read Blob Response	[1] ATT, 3.4.4.6	C.4	☑	C.4: Mandatory IF ATT 3/12 “Read Blob Request” is supported, otherwise Excluded.
3/14	Read Multiple Request	[1] ATT, 3.4.4.7	C.17	☑	C.17: Mandatory IF GATT 3/11 “Read Multiple Characteristic Values” is supported, otherwise Optional.

3/15	Read Multiple Response	[1] ATT, 3.4.4.8	C.5	☑	C.5: Mandatory IF ATT 3/14 "Read Multiple Request" is supported, otherwise Excluded.
3/16	Read by Group Type Request	[1] ATT, 3.4.4.9	O	☑	
3/17	Read by Group Type Response	[1] ATT, 3.4.4.10	C.6	☑	C.6: Mandatory IF ATT 3/16 "Read by Group Type Request" is supported, otherwise Excluded.
3/18	Write Request	[1] ATT, 3.4.5.1	C.20	☑	C.20: Mandatory IF GATT 3/14 "Write Characteristic Value" OR GATT 3/21 "Write Characteristic Descriptors" is supported, otherwise Optional.
3/19	Write Response	[1] ATT, 3.4.5.2	C.7	☑	C.7: Mandatory IF ATT 3/18 "Write Request" is supported, otherwise Excluded.
3/20	Write Command	[1] ATT, 3.4.5.3	C.18	☑	C.18: Mandatory IF GATT 3/12 "Write without Response" is supported, otherwise Optional.
3/21	Signed Write Command	[1] ATT, 3.4.5.3	C.19	☑	C.19: Mandatory IF GATT 3/13 "Signed Write without Response" is supported, otherwise Optional.
3/22	Prepare Write Request	[1] ATT, 3.4.6.1	C.21	☑	C.21: Mandatory IF GATT 3/15 "Write Long Characteristic Values" OR GATT 3/16 "Characteristic Value Reliable Writes" OR GATT 3/22 "Write Long Characteristic Descriptors" is supported, otherwise Optional.
3/23	Prepare Write Response	[1] ATT, 3.4.6.2	C.8	☑	C.8: Mandatory IF ATT 3/22 "Prepare Write Request" is supported, otherwise Excluded.
3/24	Execute Write Request	[1] ATT, 3.4.6.3	C.8	☑	C.8: Mandatory IF ATT 3/22 "Prepare Write Request" is supported, otherwise Excluded.
3/25	Execute Write Response	[1] ATT, 3.4.6.4	C.8	☑	C.8: Mandatory IF ATT 3/22 "Prepare Write Request" is supported, otherwise Excluded.
3/26	Handle Value Notification	[1] ATT, 3.4.7.1	C.22	☑	C.22: Mandatory IF GATT 3/17 "Notifications" OR ATT 2/3 "Enhanced ATT bearer Attribute Protocol Supported (L2CAP fixed EATT PSM supported)" is supported, otherwise Optional.
3/27	Handle-Value Indication	[1] ATT, 3.4.7.2	C.23	☑	C.23: Mandatory IF GATT 3/18 "Indications" is supported, otherwise Optional.
3/28	Handle Value Confirmation	[1] ATT, 3.4.7.3	C.24	☑	C.24: Mandatory IF ATT 3/27 "Handle-Value Indication" is supported, otherwise Excluded.
3/29	Client Timeout	[1] ATT, 3.3.3	C.24	☑	C.24: Mandatory IF ATT 3/27 "Handle-Value Indication" is supported, otherwise Excluded.

Table 4: Attribute Protocol Server Messages

Prerequisite: ATT 1/2 "Attribute Protocol Server"

Item	Capability	Reference	Support	Status	Comment
4/1	Attribute Error Response	[1] ATT, 3.4.1.1	M	☑	
4/2	Exchange MTU Request	[1] ATT, 3.4.2.1	C.18	☑	C.18: Mandatory IF GATT 4/1 "Exchange MTU" is supported, otherwise Optional.
4/3	Exchange MTU Response	[1] ATT, 3.4.2.2	C.19	☑	C.19: Mandatory IF ATT 4/2 "Exchange MTU Request" is supported, otherwise Excluded.
4/4	Find Information Request	[1] ATT, 3.4.3.1	M	☑	
4/5	Find Information Response	[1] ATT, 3.4.3.2	M	☑	
4/6	Find by Type Value Request	[1] ATT, 3.4.4.3	M	☑	
4/7	Find by Type Value Response	[1] ATT, 3.4.4.4	M	☑	
4/8	Read by Type Request	[1] ATT, 3.4.4.1	M	☑	
4/9	Read by Type Response	[1] ATT, 3.4.4.2	M	☑	
4/10	Read Request	[1] ATT, 3.4.4.3	M	☑	
4/11	Read Response	[1] ATT, 3.4.4.4	M	☑	
4/12	Read Blob Request	[1] ATT, 3.4.4.5	C.6	☑	C.6: Mandatory IF GATT 4/10 "Read Long Characteristic Values" OR ATT 2/3 "Enhanced ATT bearer Attribute Protocol Supported (L2CAP fixed EATT PSM supported)" is supported, otherwise Optional.
4/13	Read Blob Response	[1] ATT, 3.4.4.6	C.1	☑	C.1: Mandatory IF ATT 4/12 "Read Blob Request" is supported, otherwise Excluded.

4/14	Read Multiple Request	[1] ATT, 3.4.4.7	C.7	✓	C.7: Mandatory IF GATT 4/11 "Read Multiple Characteristic Values" is supported, otherwise Optional.
4/15	Read Multiple Response	[1] ATT, 3.4.4.8	C.2	✓	C.2: Mandatory IF ATT 4/14 "Read Multiple Request" is supported, otherwise Excluded.
4/16	Read by Group Type Request	[1] ATT, 3.4.4.9	M	✓	
4/17	Read by Group Type Response	[1] ATT, 3.4.4.10	M	✓	
4/18	Write Request	[1] ATT, 3.4.5.1	C.10	✓	C.10: Mandatory IF GATT 4/14 "Write Characteristic Value" OR GATT 4/21 "Write Characteristic Descriptors" OR ATT 2/3 "Enhanced ATT bearer Attribute Protocol Supported (L2CAP fixed EATT PSMsupported)" is supported, otherwise Optional.
4/19	Write Response	[1] ATT, 3.4.5.2	C.3	✓	C.3: Mandatory IF ATT 4/18 "Write Request" is supported, otherwise Excluded.
4/20	Write Command	[1] ATT, 3.4.5.3	C.8	✓	C.8: Mandatory IF GATT 4/12 "Write Without Response" OR ATT 2/3 "Enhanced ATT bearer Attribute Protocol Supported (L2CAP fixed EATT PSMsupported)" is supported, otherwise Optional.
4/21	Signed Write Command	[1] ATT, 3.4.5.3	C.9	✓	C.9: Mandatory IF GATT 4/13 "Signed Write Without Response" is supported, otherwise Optional.
4/22	Prepare Write Request	[1] ATT, 3.4.6.1	C.11	✓	C.11: Mandatory IF GATT 4/15 "Write Long Characteristic Values" OR GATT 4/16 "Characteristic Value Reliable Writes" OR GATT 4/22 "Write Long Characteristic Descriptors" OR ATT 2/3 "Enhanced ATT bearer Attribute Protocol Supported (L2CAP fixed EATT PSMsupported)" is supported, otherwise Optional.
4/23	Prepare Write Response	[1] ATT, 3.4.6.2	C.4	✓	C.4: Mandatory IF ATT 4/22 "Prepare Write Request" is supported, otherwise Excluded.
4/24	Execute Write Request	[1] ATT, 3.4.6.3	C.4	✓	C.4: Mandatory IF ATT 4/22 "Prepare Write Request" is supported, otherwise Excluded.
4/25	Execute Write Response	[1] ATT, 3.4.6.4	C.4	✓	C.4: Mandatory IF ATT 4/22 "Prepare Write Request" is supported, otherwise Excluded.
4/26	Handle Value Notification	[1] ATT, 3.4.7.1	C.12	✓	C.12: Mandatory IF GATT 4/17 "Notifications" OR ATT 2/3 "Enhanced ATT bearer Attribute Protocol Supported (L2CAP fixed EATT PSMsupported)" is supported, otherwise Optional.
4/27	Handle-Value Indication	[1] ATT, 3.4.7.2	C.13	✓	C.13: Mandatory IF GATT 4/18 "Indications" is supported, otherwise Optional.
4/28	Handle Value Confirmation	[1] ATT, 3.4.7.3	C.5	✓	C.5: Mandatory IF ATT 4/27 "Handle-Value Indication" is supported, otherwise Excluded.
4/29	Server Timeout	[1] ATT, 3.3.3	C.5	✓	C.5: Mandatory IF ATT 4/27 "Handle-Value Indication" is supported, otherwise Excluded.
4/30	Execute Write Request with no pending prepared write values	[1] ATT, 3.4.6.3	C.14	✓	C.14: Mandatory IF (GATT 4/25 "Execute Write Request with empty queue" OR ATT 4/22 "Prepare Write Request") AND SUMICS 31/19 "Core Spec Version 5.0" is supported, otherwise Optional.

Table 5: Attribute Protocol Transport Security

Item	Capability	Reference	Support	Status	Comment
5/1	Security Mode 4	[2] GAP 5	C.1	✓	C.1: Mandatory IF ATT 2/1 "Attribute Protocol Supported over BR/EDR (L2CAP Fixed ATT PSM support)" is supported, otherwise Excluded.
5/2	LE Security Mode 1	[2] GAP 10.2.1	C.2	✓	C.2: Optional IF ATT 2/2 "Attribute Protocol Supported over LE" is supported, otherwise Excluded.
5/3	LE Security Mode 2	[2] GAP 10.2.2	C.2	✓	C.2: Optional IF ATT 2/2 "Attribute Protocol Supported over LE" is supported, otherwise Excluded.
5/4	LE Authentication Procedure	[2] GAP 10.3	C.2	✓	C.2: Optional IF ATT 2/2 "Attribute Protocol Supported over LE" is supported, otherwise Excluded.
5/5	LE connection data signing procedure	[2] GAP 10.4.1	C.2	✓	C.2: Optional IF ATT 2/2 "Attribute Protocol Supported over LE" is supported, otherwise Excluded.
5/6	LE Authenticate signed data procedure	[2] GAP 10.4.2	C.2	✓	C.2: Optional IF ATT 2/2 "Attribute Protocol Supported over LE" is supported, otherwise Excluded.

Audio/Video Control Transport Protocol

Table 0: Major Versions (X.Y)

Item	Capability	Reference	Support	Status	Comment
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0/4	AVCTP 1.4	AVCTP 1.4	C.1	☒	C.1: Mandatory to support one and only one of AVCTP 0/1 "AVCTP 1.0" OR AVCTP 0/2 "AVCTP 1.2" OR AVCTP 0/4 "AVCTP 1.4".
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Table 1: Roles

Item	Capability	Reference	Support	Status	Comment
1/1	Controller	[1] 3.1	C.1	☒	C.1: Mandatory to support at least one of the defined roles.
1/2	Target	[1] 3.1	C.1	☒	C.1: Mandatory to support at least one of the defined roles.

Table 2: Controller Features

Prerequisite: AVCTP 1/1 "Controller"

Item	Capability	Reference	Support	Status	Comment
2/2	Transaction label management	[1] 4.2, 6.1.1, 6.1.2	M	☒	
2/3	Packet type field management	[1] 4.3, 6.1.1, 6.1.2	M	☒	
2/4	Message type field management	[1] 4.5, 6.1.1, 6.1.2	M	☒	
2/5	PID field management	[1] 4.4, 6.1.1, 6.1.2	M	☒	
2/6	IPID field management	[1] 6.1.1, 6.1.2	M	☒	
2/7	Message information management	[1] 6.1, 6.2	M	☒	
2/8	Event registration for message reception	[1] 11.1	O	☒	
2/9	Event registration for connection request	[1] 11.1	O	☒	
2/10	Event registration for disconnection request	[1] 11.1	O	☒	
2/11	Connect request	[1] 11.2.1	O	☒	
2/12	Disconnect request	[1] 11.2.3	O	☒	
2/13	Send message	[1] 11.2.4	O	☒	

Table 3: Target Features

Prerequisite: AVCTP 1/2 "Target"

Item	Capability	Reference	Support	Status	Comment
3/1	Message fragmentation	[1] 4.3, 6.1.2	O	☒	
3/2	Transaction label management	[1] 4.2, 6.1.1, 6.1.2	M	☒	
3/3	Packet type field management	[1] 4.3, 6.1.1, 6.1.2	M	☒	
3/4	Message type field management	[1] 4.5, 6.1.1, 6.1.2	M	☒	
3/5	PID field management	[1] 4.4, 6.1.1, 6.1.2	M	☒	
3/6	IPID field management	[1] 6.1.1, 6.1.2	M	☒	
3/7	Message information management	[1] 6.1, 6.2	M	☒	
3/8	Event registration for message reception	[1] 11.1	O	☒	
3/9	Event registration for connection request	[1] 11.1	O	☒	
3/10	Event registration for disconnection request	[1] 11.1	O	☒	
3/11	Connect request	[1] 11.2.1	O	☒	
3/12	Disconnect request	[1] 11.2.2	O	☒	
3/13	Send message	[1] 11.2.3	O	☒	

Audio Video Distribution Transport Protocol

Table 1: Roles

Item	Capability	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	✓	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.

Table 2: Signalling message format (Initiator, Source)

Prerequisite: AVDTP 1/3 “Initiator” AND AVDTP 1/1 “Source”

Item	Capability	Reference	Support	Status	Comment
2/1	Transaction label	[1] 8.4.1	M	✓	
2/2	Packet type	[1] 8.4.2	M	✓	
2/3	Message type	[1] 8.4.3	M	✓	
2/4	Signal identifier	[1] 8.4.4	M	✓	

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

Prerequisite: AVDTP 1/3 “Initiator” AND AVDTP 1/1 “Source”

Item	Capability	Reference	Support	Status	Comment
3/1	Establish signalling channel	[1] 13.1	O	✓	
3/2	Disconnect signalling channel	[1] 13.1	O	✓	

Table 4: Stream discovery and configuration (Initiator, Source)

Prerequisite: AVDTP 1/3 “Initiator” AND AVDTP 1/1 “Source”

Item	Capability	Reference	Support	Status	Comment
4/1	Stream discover command	[1] 6.4, 6.6, 8.6, 13.1	O	✓	
4/2	Stream get capabilities command	[1] 6.4, 6.7, 8.7, 13.1	C.2	✓	C.2: Mandatory IF AVDTP 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	✓	
4/4	Get configuration command	[1] [2] 6.4, 6.9, 8.9, 13.1 [3] 6.4, 6.10, 8.10, 13.1	O	✓	
4/6	Stream get all capabilities command	[3] 6.4, 6.8, 8.8, 13.1	C.1	✓	C.1: Optional IF AVDTP 14a/3 “AVDTP 1.3” is supported, otherwise Excluded.

Table 5: Stream establishment, suspension and release (Initiator, Source)

Prerequisite: AVDTP 1/3 “Initiator” AND AVDTP 1/1 “Source”

Item	Capability	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	✓	
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	✓	
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	✓	
5/4	Suspend command	[1] [2] 6.4, 6.13, 8.14, 13.1 [3] 6.4, 6.14, 8.15, 13.1	O	✓	
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	✓	

Table 6: Security signalling (Initiator, Source)

Prerequisite: AVDTP 1/3 “Initiator” AND AVDTP 1/1 “Source”

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

Prerequisite: AVDTP 1/3 “Initiator” AND AVDTP 1/1 “Source”

Item	Capability	Reference	Support	Status	Comment
7/1	Signalling message fragmentation	[1] 8.3	M	✓	

Table 8: Signaling Message Format (Acceptor, Source)

Prerequisite: AVDTP 1/4 “Acceptor” AND AVDTP 1/1 “Source”

Item	Capability	Reference	Support	Status	Comment
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8/1	Transaction Label	[1] 8.4.1	M	☑
8/2	Packet Type	[1] 8.4.2	M	☑
8/3	Message Type	[1] 8.4.3	M	☑
8/4	Signal Identifier	[1] 8.4.4	M	☑

Table 9: Signalling channel establishment/disconnection (Acceptor, Source)

Prerequisite: AVDTP 1/4 “Acceptor” AND AVDTP 1/1 “Source”

Item	Capability	Reference	Support	Status	Comment
9/1	Establish signalling channel	[1] 13.1	O	☑	
9/2	Disconnect signalling channel	[1] 13.1	O	☑	

Table 10: Stream discovery and configuration (Acceptor, Source)

Prerequisite: AVDTP 1/4 “Acceptor” AND AVDTP 1/1 “Source”

Item	Capability	Reference	Support	Status	Comment
10/1	Stream discover response	[1] 6.4, 6.6, 8.6, 13.1	O	☑	
10/2	Stream get capabilities response	[1] 6.4, 6.7, 8.7, 13.1	C.2	☑	C.2: Mandatory IF AVDTP 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	☑	
10/4	Get configuration response	[1] [2] 6.4, 6.9, 8.9, 13.1 [3] 6.4, 6.10, 8.10, 13.1	O	☑	
10/6	Stream get all capabilities response	[3] 6.4, 6.8, 8.8, 13.1	C.1	☑	C.1: Optional IF AVDTP 14a/3 “AVDTP 1.3” is supported, otherwise Excluded.

Table 11: Stream establishment, suspension and release (Acceptor, Source)

Prerequisite: AVDTP 1/4 “Acceptor” AND AVDTP 1/1 “Source”

Item	Capability	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	☑	
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	☑	
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	☑	
11/4	Suspend response	[1] [2] 6.4, 6.13, 8.14, 13.1 [3] 6.4, 6.14, 8.15, 13.1	O	☑	
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	☑	
11/6	General reject message	[2] 8.17, [3] 8.18	O	☑	

Table 12: Security signalling (Acceptor, Source)

Prerequisite: AVDTP 1/4 “Acceptor” AND AVDTP 1/1 “Source”

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

Prerequisite: AVDTP 1/4 “Acceptor” AND AVDTP 1/1 “Source”

Item	Capability	Reference	Support	Status	Comment
13/1	Signalling message fragmentation	[1] 8.3	M	☑	

Table 14: Source capabilities

Prerequisite: AVDTP 1/1 “Source”

Item	Capability	Reference	Support	Status	Comment
14/1	Basic transport service support	[1] 7.2, 13.2	M	☑	
14/6	DelayReporting	[3] 6.19	C.1	☑	C.1: Optional IF AVDTP 14a/3 “AVDTP 1.3” is supported, otherwise Excluded.

Table 14a: AVDTP Source Versions

Prerequisite: AVDTP 1/1 “Source”

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Item	Capability	Reference	Support	Status	Comment
14a/3	AVDTP 1.3	AVDTP 1.3	C.1	☑	C.1: Mandatory to support one and only one profile version.

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

Prerequisite: AVDTP 1/3 “Initiator” AND AVDTP 1/2 “Sink”

Item	Capability	Reference	Support	Status	Comment
2b/1	Transaction Label	[1] 8.4.1	M	☑	
2b/2	Packet Type	[1] 8.4.2	M	☑	
2b/3	Message Type	[1] 8.4.3	M	☑	
2b/4	Signal Identifier	[1] 8.4.4	M	☑	

Table 3b: Signaling Channel Establishment/Disconnection (Initiator, Sink)

Prerequisite: AVDTP 1/3 “Initiator” AND AVDTP 1/2 “Sink”

Item	Capability	Reference	Support	Status	Comment
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Table 4b: Stream Discovery and Configuration (Initiator, Sink)

Prerequisite: AVDTP 1/3 “Initiator” AND AVDTP 1/2 “Sink”

Item	Capability	Reference	Support	Status	Comment
4b/1	Stream discover command	[1] 6.4, 6.6, 8.6, 13.1	O	☑	
4b/2	Stream get capabilities command	[1] 6.4, 6.7, 8.7, 13.1	C.2	☑	C.2: Mandatory IF AVDTP 4b/6 “Stream get all capabilities command” is supported, otherwise Optional.
4b/3	Set configuration command	[1] [2] 6.4, 6.8, 8.8, 13.1 [3] 6.4, 6.9, 8.9, 13.1	O	☑	
4b/6	Stream get all capabilities command	[3] 6.4, 6.8, 8.8, 13.1	C.1	☑	C.1: Optional IF AVDTP 15a/3 “AVDTP 1.3” is supported, otherwise Excluded.

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

Prerequisite: AVDTP 1/3 “Initiator” AND AVDTP 1/2 “Sink”

Item	Capability	Reference	Support	Status	Comment
5b/1	Open stream command	[1] [2] 6.4, 6.10, 8.11, 13.1 [3] 6.4, 6.11, 8.12, 13.1	O	☑	
5b/2	Start stream command	[1] [2] 6.4, 6.11, 8.12, 13.1 [3] 6.4, 6.12, 8.13, 13.1	O	☑	
5b/3	Close stream command	[1] [2] 6.4, 6.12, 8.13, 13.1 [3] 6.4, 6.13, 8.14, 13.1	O	☑	
5b/5	Abort stream command	[1] [2] 6.4, 6.16, 8.15, 13.1 [3] 6.4, 6.17, 8.16, 13.1	O	☑	

Table 6b: Security Signaling (Initiator, Sink)

Prerequisite: AVDTP 1/3 “Initiator” AND AVDTP 1/2 “Sink”

Item	Capability	Reference	Support	Status	Comment
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Table 7b: Message Fragmentation (Initiator, Sink)

Prerequisite: AVDTP 1/3 “Initiator” AND AVDTP 1/2 “Sink”

Item	Capability	Reference	Support	Status	Comment
7b/1	Signaling message fragmentation	[1] 8.3	M	☑	

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

Prerequisite: AVDTP 1/4 “Acceptor” AND AVDTP 1/2 “Sink”

Item	Capability	Reference	Support	Status	Comment
8b/1	Transaction Label	[1] 8.4.1	M	☑	
8b/2	Packet Type	[1] 8.4.2	M	☑	
8b/3	Message Type	[1] 8.4.3	M	☑	
8b/4	Signal Identifier	[1] 8.4.4	M	☑	

Table 9b: Signaling Channel Establishment/Disconnection (Acceptor, Sink)

Prerequisite: AVDTP 1/4 “Acceptor” AND AVDTP 1/2 “Sink”

Item	Capability	Reference	Support	Status	Comment
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Table 10b: Stream Discovery and Configuration (Acceptor, Sink)

Prerequisite: AVDTP 1/4 “Acceptor” AND AVDTP 1/2 “Sink”

Item	Capability	Reference	Support	Status	Comment
10b/1	Stream discover response	[1] 6.4, 6.6, 8.6, 13.1	O	☑	
10b/2	Stream get capabilities response	[1] 6.4, 6.7, 8.7, 13.1	C.2	☑	C.2: Mandatory IF AVDTP 10b/6 “Stream get all capabilities response” is supported, otherwise Optional.
10b/3	Set configuration response	[1] [2] 6.4, 6.8, 8.8, 13.1 [3] 6.4, 6.9, 8.9, 13.1	O	☑	
10b/6	Stream get all capabilities response	[3] 6.4, 6.8, 8.8, 13.1	C.1	☑	C.1: Optional IF AVDTP 15a/3 “AVDTP 1.3” is supported, otherwise Excluded.

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

Prerequisite: AVDTP 1/4 “Acceptor” AND AVDTP 1/2 “Sink”

Item	Capability	Reference	Support	Status	Comment
11b/1	Open stream response	[1] [2] 6.4, 6.10, 8.11, 13.1 [3] 6.4, 6.11, 8.12, 13.1	O	☑	
11b/2	Start stream response	[1] [2] 6.4, 6.11, 8.12, 13.1 [3] 6.4, 6.12, 8.13, 13.1	O	☑	
11b/3	Close stream response	[1] [2] 6.4, 6.12, 8.13, 13.1 [3] 6.4, 6.13, 8.14, 13.1	O	☑	
11b/5	Abort stream response	[1] [2] 6.4, 6.16, 8.15, 13.1 [3] 6.4, 6.17, 8.16, 13.1	O	☑	
11b/6	General reject message	[2] 8.17, [3] 8.18	O	☑	

Table 12b: Security Signaling (Acceptor, Sink)

Prerequisite: AVDTP 1/4 “Acceptor” AND AVDTP 1/2 “Sink”

Item	Capability	Reference	Support	Status	Comment
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Table 13b: Message Fragmentation (Acceptor, Sink)

Prerequisite: AVDTP 1/4 “Acceptor” AND AVDTP 1/2 “Sink”

Item	Capability	Reference	Support	Status	Comment
13b/1	Signaling message fragmentation	[1] 8.3	M	☑	

Table 15: Sink capabilities

Prerequisite: AVDTP 1/2 “Sink”

Item	Capability	Reference	Support	Status	Comment
15/1	Basic transport service support	[1] 7.2, 13.2	M	☑	

Table 15a: AVDTP Sink Versions

Prerequisite: AVDTP 1/2 “Sink”

Item	Capability	Reference	Support	Status	Comment
15a/3	AVDTP 1.3	AVDTP 1.3	C.1	☑	C.1: Mandatory to support one and only one profile version.

Table 16: Message Error Handling Capabilities

Item	Capability	Reference	Support	Status	Comment
16/1	Reporting Capability Error	[2] 8.18.6.2 [3] 8.20.6.2	C.1	☑	C.1: Mandatory IF AVDTP 14a/2 OR AVDTP 15a/2 “AVDTP 1.2” OR AVDTP 14a/3 OR AVDTP 15a/3 “AVDTP 1.3” is supported, otherwise Optional.
16/3	General Reject Response Includes Signal ID	[3] 8.18	C.3	☑	C.3: Mandatory IF AVDTP 14a/3 OR AVDTP 15a/3 “AVDTP 1.3” is supported, otherwise Optional.

Table 17: Upper Test Interface

Item	Capability	Reference	Support	Status	Comment
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Table 18: L2CAP Capabilities

Item	Capability	Reference	Support	Status	Comment
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A/V Remote Control Profile

Table 1: Roles

Item	Capability	Reference	Support	Status	Comment
1/2	Target	[1] [2] [3] [5] 2.2	C.1	☑	C.1: Mandatory to support at least one of the defined roles.

Table 2: Controller Features

Prerequisite: AVRCP 1/1 "Controller"

Item	Capability	Reference	Support	Status	Comment
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Table 2b: Controller Major Profile Version (X.Y)

Item	Capability	Reference	Support	Status	Comment
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Table 2c: Controller Minor Profile Version (X.Y.Z)

Item	Capability	Reference	Support	Status	Comment
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Table 3: Operation_id of Category 1 for CT

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

Prerequisite: AVRCP 2/8 "Sending PASS THROUGH command in Category 3"

Item	Capability	Reference	Support	Status	Comment
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Table 5: Operation_id of category 3 for CT

Prerequisite: AVRCP 2/9 "Sending PASS THROUGH command in Category 3"

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

Prerequisite: AVRCP 2/10 "Sending PASS THROUGH command in Category 4"

Item	Capability	Reference	Support	Status	Comment
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Table 7: Target Features

Prerequisite: AVRCP 1/2 "Target"

Item	Capability	Reference	Support	Status	Comment
7/2	Accepting Connection Establishment for Conrol Initiated byCT	[1] [2] [3] [5] 4.1.1	M	☑	
7/3	Initiating Connection Release for Control	[1] [2] [3] [5] 4.1.2	M	☑	
7/4	Accepting Connection Release for Control Initiated byCT	[1] [2] [3] [5] 4.1.2	M	☑	
7/5	Receiving UNIT INFO Command	[1] [2] [3] [5] 4.1.3	M	☑	
7/6	Receiving SUBUNIT INFO	[1] [2] [3] [5] 4.1.3	M	☑	
7/7	Receiving PASS THROUGH Command in category 1	[1] [2] [3] [5] 4.1.3	C.1	☑	C.1: Mandatory to support at least one of the categories.

7/11	Get Capabilities Response	[2] 5.1.1 [3] 5] 6.4.1	C.3	☑	C.3: Mandatory IF AVRCP 7/7 “Category 1” is supported, otherwise Optional.
7/20	Get Element Attributes Response	[2] 5.3.1 [3] 5] 6.6.1	C.3	☑	C.3: Mandatory IF AVRCP 7/7 “Category 1” is supported, otherwise Optional.
7/21	Get Play Status Response	[2] 5.4.1 [3] 5] 6.7.1	C.2	☑	C.2: Mandatory IF AVRCP 7/20 “Get Element Attributes Response” is supported, otherwise Optional.
7/22	Register Notification Response	[2] 5.4.2 [3] 5] 6.7.2	C.12	☑	C.12: Mandatory IF AVRCP 7/7 “Category 1” OR (AVRCP 7/8 “Category 2” AND AVRCP 7/60 “Absolute Volume”) OR AVRCP 7/9 “Category 3” is supported, otherwise Optional.
7/23	Notify Event Response: PLAYBACK_STATUS_CHANGED	[2] 5.4.2 [3] 5] 6.7.2	C.4	☑	C.4: Mandatory IF AVRCP 7/22 “Register Notification Response” AND AVRCP 7/20 “Get Element Attributes Response” are supported, otherwise Optional.
7/24	Notify Event Response: TRACK_CHANGED	[2] 5.4.2 [3] 5] 6.7.2	C.4	☑	C.4: Mandatory IF AVRCP 7/22 “Register Notification Response” AND AVRCP 7/20 “Get Element Attributes Response” are supported, otherwise Optional.
7/31	Request Continuing Response	[2] 5.5.1 [3] 5] 6.8.1	C.2	☑	C.2: Mandatory IF AVRCP 7/20 “Get Element Attributes Response” is supported, otherwise Optional.
7/32	Abort ContinuingResponse Response	[2] 5.5.2 [3] 5] 6.8.2	C.2	☑	C.2: Mandatory IF AVRCP 7/20 “Get Element Attributes Response” is supported, otherwise Optional.
7/36	Media Player Selection	[3] [5] 6.9	C.8	☑	C.8: Mandatory IF AVRCP 7/7 “Category 1” OR AVRCP 7/9 “Category 3” is supported, otherwise Excluded.
7/37	SetAddressedPlayer	[3] [5] 6.9.1	C.8	☑	C.8: Mandatory IF AVRCP 7/7 “Category 1” OR AVRCP 7/9 “Category 3” is supported, otherwise Excluded.
7/38	GetFolderItems(MediaPlayerList)	[3] [5] 6.10.4.2	C.8	☑	C.8: Mandatory IF AVRCP 7/7 “Category 1” OR AVRCP 7/9 “Category 3” is supported, otherwise Excluded.
7/38b	GetTotalNumberOfItems(MediaPlayerList)	[5] 6.10.4.4	C.8	☑	C.8: Mandatory IF AVRCP 7/7 “Category 1” OR AVRCP 7/9 “Category 3” is supported, otherwise Excluded.
7/39	EVENT_AVAILABLE_PLAYERS_CHAN	[3] [5] 6.9.4	C.8	☑	C.8: Mandatory IF AVRCP 7/7 “Category 1” OR AVRCP 7/9 “Category 3” is supported, otherwise Excluded.
7/40	EVENT_ADDRESSED_PLAYER_CHAN	[3] [5] 6.9.2	C.8	☑	C.8: Mandatory IF AVRCP 7/7 “Category 1” OR AVRCP 7/9 “Category 3” is supported, otherwise Excluded.
7/64	General Reject	[3] [5] 6.15.2.1	C.13	☑	C.13: Mandatory IF AVRCP 7/7 “Category 1” OR AVRCP 7/9 “Category 3” OR AVRCP 7/42 “Browsing” is supported, otherwise Optional.
7/65	Discoverable Mode	[3] [5] 12.1	M	☑	

Table 7b: Target Major Profile Version (X.Y)

Prerequisite: AVRCP 1/2 “Target”

Item	Capability	Reference	Support	Status	Comment
7b/5	AVRCP v1.6	AVRCP v1.6	C.1, C.2	☑	C.1: Mandatory to support at least one of the profile versions. C.2: Deprecated 2021-02-01 as uniquely selectable item, can only be supported with an active minor version that refers to the respective SDP major version. Withdrawn 2023-02-01.

Table 7c: Target Minor Profile Version (X.Y.Z)

Prerequisite: AVRCP 1/2 “Target”

Item	Capability	Reference	Support	Status	Comment
7c/7	AVRCP v1.6.2	AVRCP v1.6.2	C.1	☑	C.1: Mandatory IF AVRCP 7b/5 “AVRCP v1.6” is supported, otherwise Excluded.

Table 8: Operation_id of category 1 for TG

Prerequisite: AVRCP 7/7 “Receiving PASS THROUGH command in Category 1”

Item	Capability	Reference	Support	Status	Comment
8/19	Play	-	M	☑	
8/20	Stop	-	M	☑	

Table 9: Operation_id of category 2 for TG

Prerequisite: AVRCP 7/8 “Receiving PASS THROUGH command in Category 2”

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

Prerequisite: AVRCP 7/9 “Receiving PASS THROUGH command in Category 3”

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

Prerequisite: AVRCP 7/10 "Receiving PASS THROUGH command in Category 4"

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

Prerequisite: AVRCP 1/1 "Controller"

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

Prerequisite: AVRCP 1/2 "Target"

Item	Capability	Reference	Support	Status	Comment
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Baseband Conformance

Table 1: Physical Channel

Item	Capability	Reference	Support	Status	Comment
1/1	Frequency band and 79 RF channels	[1] 2.1	M	☑	
1/2	Adaptive Frequency Hopping Kernel	[1] 2.6	M	☑	

Table 1a: Modulation

Item	Capability	Reference	Support	Status	Comment
1a/1	Basic Data Rate, 1 Mbps payload data rate	[2] 3.1	M	☑	
1a/2	Enhanced Data Rate, 2 Mbps payload data rate	[2] 3.2	C.1	☑	C.1: Mandatory IF SUMICS 22/1 "EDR for asynchronous transports (single slot)" OR SUMICS 22/2 "EDR for asynchronous transports (multi-slot)" OR SUMICS 22/4 "EDR for synchronous transports (Core 3.0 or later)" is supported, otherwise Optional.
1a/3	Enhanced Data Rate, 3 Mbps payload data rate	[2] 3.2	C.2	☑	C.2: Mandatory IF SUMICS 22/1 "EDR for asynchronous transports (single slot)" OR SUMICS 22/2 "EDR for asynchronous transports (multi-slot)" is supported, otherwise Optional IF BB 1a/2 "Enhanced Data Rate, 2 Mbps payload data rate" is supported, otherwise Excluded.

Table 2: Link Types

Item	Capability	Reference	Support	Status	Comment
2/1	ACL link	[1] 5.2	M	☑	
2/2	SCO link	[1] 5.4	O	☑	
2/3	eSCO link	[1] 4.3	O	☑	
2/4	Enhanced Data Rate ACL links	[1] 6.5.4	C.1	☑	C.1: Mandatory IF SUMICS 22/1 "EDR for asynchronous transports (single slot)" OR SUMICS 22/2 "EDR for asynchronous transports (multi-slot)" is supported, otherwise Excluded.
2/5	Enhanced Data Rate eSCO links	[1] 6.5.3	C.2	☑	C.2: Mandatory IF SUMICS 22/4 "EDR for synchronous transports (Core 3.0 or later)" is supported, otherwise Excluded.

Table 3: SCO and eSCO Link Support

Item	Capability	Reference	Support	Status	Comment
3/1	SCO links to same Peripheral	[1] 4.3	C.1	☑	C.1: Mandatory to support at least one of BB 3/1 "SCO links to same Peripheral" OR BB 3/3 "SCO links from same Central" IF BB 2/2 "SCO link" is supported.
3/2	SCO links to different Peripherals	[1] 4.3	C.3	☑	C.3: Optional IF BB 2/2 "SCO link" is supported, otherwise Excluded.
3/3	SCO links from same Central	[1] 4.3	C.1	☑	C.1: Mandatory to support at least one of BB 3/1 "SCO links to same Peripheral" OR BB 3/3 "SCO links from same Central" IF BB 2/2 "SCO link" is supported.
3/4	SCO links from	[1] 4.3	C.3	☑	C.3: Optional IF BB 2/2 "SCO link" is supported, otherwise Excluded.

	different Centrals				
3/5	eSCO links to same Peripheral	[1] 4.2	C.2	☑	C.2: Mandatory to support at least one of BB 3/5 "eSCO links to same Peripheral" OR BB 3/7 "eSCO links from same Central" IF BB 2/3 "eSCO link" is supported.
3/6	eSCO links to different Peripherals	[1] 4.2	C.4	☑	C.4: Optional IF BB 2/3 "eSCO link" is supported, otherwise Excluded.
3/7	eSCO links from same Central	[1] 4.2	C.2	☑	C.2: Mandatory to support at least one of BB 3/5 "eSCO links to same Peripheral" OR BB 3/7 "eSCO links from same Central" IF BB 2/3 "eSCO link" is supported.
3/8	eSCO links from different Centrals	[1] 4.2	C.4	☑	C.4: Optional IF BB 2/3 "eSCO link" is supported, otherwise Excluded.

Table 3a: Profile Broadcast Data Link Support

Prerequisite: BB 2/6 "Profile Broadcast Data Link"

Item	Capability	Reference	Support	Status	Comment
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Table 4: Common Packet Types

Item	Capability	Reference	Support	Status	Comment
4/1	ID packet type	[1] 6.5.1, [1] 6.5.1.1	M	☑	
4/2	NULL packet type	[1] 6.5.1, [1] 6.5.1.2	M	☑	
4/3	POLL packet type	[1] 6.5.1, [1] 6.5.1.3	M	☑	
4/4	FHS packet type	[1] 6.5.1, [1] 6.5.1.4	M	☑	
4/5	DM1 packet type	[1] 6.5.1, [1] 6.5.1.5, [1] 6.5.4, [1] 6.5.4.1	M	☑	

Table 5: ACL Packet Types

Item	Capability	Reference	Support	Status	Comment
5/1	DH1 packet type	[1] 6.5.4, [1] 6.5.4.2	M	☑	
5/2	DM3 packet type	[1] 6.5.4, [1] 6.5.4.3	C.1	☑	C.1: Mandatory IF BB 9c/1 "Synchronization Train" OR BB 9c/2 "Synchronization Scan" is supported, otherwise Optional.
5/3	DH3 packet type	[1] 6.5.4, [1] 6.5.4.4	O	☑	
5/4	DM5 packet type	[1] 6.5.4, [1] 6.5.4.5	O	☑	
5/5	DH5 packet type	[1] 6.5.4, [1] 6.5.4.6	O	☑	
5/6	AUX1 packet type	[1] 6.5.4, [1] 6.5.4.7	O	☑	

Table 5a: Enhanced Data Rate ACL Packet Types

Prerequisite: BB 2/4 "Enhanced Data Rate ACL links"

Item	Capability	Reference	Support	Status	Comment
5a/1	2-DH1 packet type	[1] 6.5.4.8	C.1	☑	C.1: Mandatory IF (SUMICS 22/1 "EDR for asynchronous transports (single slot)" OR SUMICS 22/2 "EDR for asynchronous transports (multi-slot)") is supported, otherwise Optional IF BB 1a/2 "Enhanced Data Rate, 2 Mbps payload data rate" is supported, otherwise Excluded.
5a/2	2-DH3 packet type	[1] 6.5.4.9	C.2	☑	C.2: Mandatory IF SUMICS 22/2 "EDR for asynchronous transports (multi-slot)" is supported, otherwise Optional IF BB 1a/2 "Enhanced Data Rate, 2 Mbps payload data rate" is supported, otherwise Excluded.
5a/3	2-DH5 packet type	[1] 6.5.4.10	C.2	☑	C.2: Mandatory IF SUMICS 22/2 "EDR for asynchronous transports (multi-slot)" is supported, otherwise Optional IF BB 1a/2 "Enhanced Data Rate, 2 Mbps payload data rate" is supported, otherwise Excluded.
5a/4	3-DH1 packet type	[1] 6.5.4.11	C.3	☑	C.3: Mandatory IF SUMICS 22/1 "EDR for asynchronous transports (single slot)" OR SUMICS 22/2 "EDR for asynchronous transports (multi-slot)" is supported, otherwise Optional IF BB 1a/3 "Enhanced Data Rate, 3 Mbps payload data rate" is supported, otherwise Excluded.
5a/5	3-DH3 packet type	[1] 6.5.4.12	C.4	☑	C.4: Mandatory IF SUMICS 22/2 "EDR for asynchronous transports (multi-slot)" is supported, otherwise Optional IF BB 5a/2 "2-DH3 packet type" AND BB 5a/4 "3-DH1 packet type" are supported, otherwise Excluded.

5a/6	3-DH5 packet type	[1] 6.5.4.13	C.5	☑	C.5: Mandatory IF SUMICS 22/2 "EDR for asynchronous transports (multi-slot)" is supported, otherwise Optional IF BB 5a/3 "2-DH5 packet type" AND BB 5a/4 "3-DH1 packet type" are supported, otherwise Excluded.
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Table 6: SCO and eSCO Packet Types

Item	Capability	Reference	Support	Status	Comment
6/1	HV1 packet type	[1] 6.5.2, [1] 6.5.2.1	C.1	☑	C.1: Mandatory IF BB 2/2 "SCO link" is supported, otherwise Excluded.
6/2	HV2 packet type	[1] 6.5.2, [1] 6.5.2.2	C.2	☑	C.2: Optional IF BB 2/2 "SCO link" is supported, otherwise Excluded.
6/3	HV3 packet type	[1] 6.5.2, [1] 6.5.2.3	C.2	☑	C.2: Optional IF BB 2/2 "SCO link" is supported, otherwise Excluded.
6/4	DV packet type	[1] 6.5.2, [1] 6.5.2.4	C.1	☑	C.1: Mandatory IF BB 2/2 "SCO link" is supported, otherwise Excluded.
6/5	EV3 packet type	[1] 6.5.3, [1] 6.5.3.1	C.3	☑	C.3: Mandatory IF BB 2/3 "eSCO link" is supported, otherwise Excluded.
6/6	EV4 packet type	[1] 6.5.3, [1] 6.5.3.2	C.4	☑	C.4: Optional IF BB 2/3 "eSCO link" is supported, otherwise Excluded.
6/7	EV5 packet type	[1] 6.5.3, [1] 6.5.3.3	C.4	☑	C.4: Optional IF BB 2/3 "eSCO link" is supported, otherwise Excluded.

Table 6a: Enhanced Data Rate eSCO Packet Types

Prerequisite: BB 2/5 "Enhanced Data Rate eSCO links"

Item	Capability	Reference	Support	Status	Comment
6a/1	2-EV3 packet type	[1] 6.5.3.4	C.1	☑	C.1: Optional IF BB 1a/2 "Enhanced Data Rate, 2 Mbps payload data rate" is supported, otherwise Excluded.
6a/2	2-EV5 packet type	[1] 6.5.3.5	C.2	☑	C.2: Optional IF BB 6a/1 "2-EV3 packet type" is supported, otherwise Excluded.
6a/3	3-EV3 packet type	[1] 6.5.3.6	C.3	☑	C.3: Optional IF BB 1a/3 "Enhanced Data Rate, 3 Mbps payload data rate" AND BB 6a/1 "2-EV3 packet type" are supported, otherwise Excluded.
6a/4	3-EV5 packet type	[1] 6.5.3.7	C.4	☑	C.4: Optional IF BB 6a/3 "3-EV3 packet type" is supported, otherwise Excluded.

Table 7: Page Procedures

Item	Capability	Reference	Support	Status	Comment
7/1	Paging	[1] 8.3.2	M	☑	
7/2	Page scan	[1] 8.3.1	M	☑	
7/5	Interlaced Scan during page scan	[1] 2.4	O	☑	

Table 8: Paging Schemes

Item	Capability	Reference	Support	Status	Comment
8/1	Mandatory scan mode	[1] 8.3, Table 6.5	M	☑	

Table 9: Paging Modes

Item	Capability	Reference	Support	Status	Comment
9/1	paging mode R0	[1] 8.3.1, Table 8.1	C.1	☑	C.1: Mandatory to support at least one of BB 9/1 "paging mode R0" OR BB 9/2 "paging mode R1" OR BB 9/3 "paging mode R2".
9/2	paging mode R1	[1] 8.3.1, Table 8.1	C.1	☑	C.1: Mandatory to support at least one of BB 9/1 "paging mode R0" OR BB 9/2 "paging mode R1" OR BB 9/3 "paging mode R2".
9/3	paging mode R2	[1] 8.3.1, Table 8.1	C.1	☑	C.1: Mandatory to support at least one of BB 9/1 "paging mode R0" OR BB 9/2 "paging mode R1" OR BB 9/3 "paging mode R2".

Table 9b: Paging Train Repetition

Item	Capability	Reference	Support	Status	Comment
9b/1	Npage >= 1	[1] 8.3.2, Table 8.2	O	☑	

9b/2	Npage >= 128	[1] 8.3.2, Table 8.2	O	☑
9b/3	Npage >= 256	[1] 8.3.2, Table 8.2	M	☑

Table 9c: Synchronization Modes Support

Prerequisite: BB 2/6 "Profile Broadcast Data Link"

Item	Capability	Reference	Support	Status	Comment
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Table 10: Inquiry Procedures

Item	Capability	Reference	Support	Status	Comment
10/1	Inquiry	[1] 8.4.2	O	☑	
10/2	Inquiry scan with first FHS	[1] 8.4.2	O	☑	
10/5	Dedicated inquiry access code	[1] 6.3.1	O	☑	
10/6	Interlaced Scan during inquiry scan	[1] 2.5	O	☑	
10/7	Extended Inquiry Response	[1] 8.4.2, 8.4.3	C.1	☑	C.1: Mandatory IF GAP 1/3 "General discoverable mode" is supported, otherwise Optional.

Table 11: Piconet Capabilities

Item	Capability	Reference	Support	Status	Comment
11/1	Broadcast Messages	[1] 7.6.5	M	☑	
11/2	Point-to-multipoint Connections	[1] 1	M	☑	

Table 12: Scatternet Capabilities

Item	Capability	Reference	Support	Status	Comment
12/1	Act as Central in one piconet and as Peripheral in another piconet	[1] 1	O	☑	
12/2	Act as Peripheral in more than one piconet	[1] 1	O	☑	

Table 13: Synchronous Coding Schemes

Prerequisite: BB 2/2 "SCO link"

Item	Capability	Reference	Support	Status	Comment
13/1	A-law	[1] 9.1	O	☑	
13/2	mu-law	[1] 9.1	O	☑	
13/3	CVSD	[1] 9.2	O	☑	
13/4	Transparent Synchronous Data	[1] 5.4, 5.5	O	☑	

Table 14: Erroneous Data Reporting

Item	Capability	Reference	Support	Status	Comment
14/1	Erroneous Data Reporting for SCO	[1] 7.7	C.1	☑	C.1: Excluded IF HCI 9/6 "SCO data via HCI" OR BB 2/2 "SCO link" is not supported, otherwise Mandatory IF BB 14/2 "Erroneous Data Reporting for eSCO" is supported, otherwise Optional.
14/2	Erroneous Data Reporting for eSCO	[1] 7.7	C.2	☑	C.2: Excluded IF HCI 9/7 "eSCO data via HCI" OR BB 2/3 "eSCO link" is not supported, otherwise Mandatory IF BB 14/1 "Erroneous Data Reporting for SCO" is supported, otherwise Optional.

Table 16: Non-flushable Packet Boundary Flag

Item	Capability	Reference	Support	Status	Comment
16/1	Non-flushable Packet Boundary Flag	[1] 7.6.3	C.1	☑	C.1: Mandatory IF HCI 12/10 "Enhanced Flush command" is supported, otherwise Optional.

Table 17: Connection States

Item	Capability	Reference	Support	Status	Comment
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Table 18: Coarse Clock Adjust

Item	Capability	Reference	Support	Status	Comment
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Table 19: Slot Availability Mask

Item	Capability	Reference	Support	Status	Comment
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Generic Access Profile

Table 0: Device Configuration

Item	Capability	Reference	Support	Status	Comment
0/3	BR/EDR/LE	[2] 1.1	C.3	☑	C.3: Mandatory IF SUMICS 32/3 "Generic Access Profile (BR/EDR)" AND SUMICS 34/2 "Generic Access Profile (LE)" are supported, otherwise Excluded.

Table 1: Modes

Prerequisite: GAP 0/1 "BR/EDR" OR GAP 0/3 "BR/EDR/LE"

Item	Capability	Reference	Support	Status	Comment
1/1	Non-discoverable mode	[1] 4.1.1	C.1	☑	C.1: Mandatory IF GAP 1/2 "Limited discoverable mode" is supported, otherwise Optional.
1/3	General discoverable mode	[1] 4.1.3	O	☑	
1/4	Non-connectable mode	[1] 4.2.1	O	☑	
1/5	Connectable mode	[1] 4.2.2	M	☑	
1/6	Non-bondable mode	[1] 4.3.1	O	☑	
1/7	Bondable mode	[1] 4.3.2	C.2	☑	C.2: Mandatory IF GAP 3/5 "Initiation of general bonding" is supported, otherwise Optional.

Table 2: Security Aspects

Prerequisite: GAP 0/1 "BR/EDR" OR GAP 0/3 "BR/EDR/LE"

Item	Capability	Reference	Support	Status	Comment
2/1	Authentication procedure	[1] 5.1	C.1	☑	C.1: Mandatory IF GAP 2/5 "Security mode 2" OR GAP 2/6 "Security mode 3" is supported, otherwise Optional. Note 1: The "Authentication Procedure" in item GAP 2/1 is the one described in Fig. 5.1 in the GAP Profile Specification and not the LMP-Authentication.
2/2	Support of LMP-Authentication	[1] 5.1	M	☑	
2/3	Initiate LMP-Authentication	[1] 5.1	C.5	☑	C.5: Mandatory IF GAP 2/5 "Security mode 2" OR GAP 2/6 "Security mode 3" OR GAP 2/7 "Security mode 4" is supported, otherwise Optional.
2/5	Security mode 2	[1] 5.2.1.2	O	☑	
2/7	Security mode 4	[1] 5.2.2	M	☑	
2/8	Authenticated link key	[1] 5.2.2	C.6	☑	C.6: Mandatory to support at least one of these features IF GAP 2/7 "Security mode 4" is supported, otherwise Excluded.
2/9	Unauthenticated link key	[1] 5.2.2	C.6	☑	C.6: Mandatory to support at least one of these features IF GAP 2/7 "Security mode 4" is supported, otherwise Excluded.

Table 3: Idle Mode Procedures

Prerequisite: GAP 0/1 "BR/EDR" OR GAP 0/3 "BR/EDR/LE"

Item	Capability	Reference	Support	Status	Comment
3/1	Initiation of general inquiry	[1] 6.1	C.1	☑	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.
3/3	Initiation of name discovery	[1] 6.3	O	☑	
3/4	Initiation of device discovery	[1] 6.4	O	☑	

3/5	Initiation of general bonding	[1] 6.5	O	☑
3/6	Initiation of dedicated bonding	[1] 6.5	O	☑

Table 4: Establishment Procedures

Prerequisite: GAP 0/1 "BR/EDR" OR GAP 0/3 "BR/EDR/LE"

Item	Capability	Reference	Support	Status	Comment
4/1	Link Establishment as initiator	[1] 7.1	M	☑	
4/2	Link Establishment as acceptor	[1] 7.1	M	☑	
4/3	Channel Establishment as initiator	[1] 7.2	O	☑	
4/4	Channel Establishment as acceptor	[1] 7.2	M	☑	
4/5	Connection Establishment as initiator	[1] 7.3	O	☑	
4/6	Connection Establishment as acceptor	[1] 7.3	O	☑	

Table 5: LE Roles

Prerequisite: GAP 0/2 "LE"

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

Prerequisite: GAP 5/1 "Broadcaster (LE-Only)" OR GAP 38/1 "Broadcaster (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
6/1	Transmitter	[2] 2.2.2	M	☑	

Table 7: Broadcaster Link Layer States

Prerequisite: GAP 5/1 "Broadcaster (LE-Only)" OR GAP 38/1 "Broadcaster (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
7/1	Standby state	[2] 2.2.2, 2.2.2.1	M	☑	
7/2	Advertising state	[2] 2.2.2, 2.2.2.1	M	☑	

Table 8: Broadcaster Link Layer Advertising Event Types

Prerequisite: GAP 5/1 "Broadcaster (LE-Only)" OR GAP 38/1 "Broadcaster (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
8/1	Non-connectable and non-scannable undirected event	[2] 2.2.2	M	☑	
8/2	Scannable undirected event	[2] 2.2.2	O	☑	

Table 8a: Broadcaster Link Layer Advertising Data Types

Prerequisite: GAP 5/1 "Broadcaster (LE-Only)" OR GAP 38/1 "Broadcaster (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
8a/1	Service UUID	[3] 1.1	O	☑	
8a/2	Local Name	[3] 1.2	O	☑	
8a/3	Flags	[3] 1.3	O	☑	
8a/4	Manufacturer Specific Data	[3] 1.4	O	☑	
8a/5	TX Power Level	[3] 1.5	O	☑	
8a/10	Service Data	[3] 1.11	O	☑	
8a/11	Appearance	[3] 1.1.12	O	☑	

Table 9: Broadcaster Connection Modes and Procedures

Prerequisite: GAP 5/1 "Broadcaster (LE-Only)" OR GAP 38/1 "Broadcaster (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
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9/1	Non-connectable mode	[2] 9.3.2	M	☒
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Table 10: Broadcaster Broadcasting and Observing Features

Prerequisite: GAP 5/1 "Broadcaster (LE-Only)" OR GAP 38/1 "Broadcaster (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
10/1	Broadcast mode	[2] 9.1.1	M	☒	

Table 11: Broadcaster Privacy Feature

Prerequisite: GAP 5/1 "Broadcaster (LE-Only)" OR GAP 38/1 "Broadcaster (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
11/1	Privacy feature	[5] 10.7	O	☒	
11/2	Resolvable private address generation procedure	[5] 10.8.2.2, [6] 1.3.2.2	C.1	☒	C.1: Mandatory IF GAP 11/1 "Privacy feature" is supported AND GAP 11/3 "Non-resolvable private address generation procedure" is not supported, otherwise Optional.

Table 11a: Periodic Advertising Modes and Procedures

Prerequisite: (GAP 5/1 "Broadcaster (LE-Only)" OR GAP 38/1 "Broadcaster (BR/EDR/LE)") AND NOT (SUM ICS 31/17 "Core v4.2" OR SUM ICS 31/18 "Core v4.2+HS")

Item	Capability	Reference	Support	Status	Comment
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Table 11b: Broadcaster Security Aspects Features

Prerequisite: GAP 5/1 "Broadcaster (LE-Only)" OR GAP 38/1 "Broadcaster (BR/EDR/LE)"

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

Prerequisite: GAP 5/2 "Observer (LE-Only)" OR GAP 38/2 "Observer (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
12/1	Receiver	[2] 2.2.2	M	☒	

Table 13: Observer Link Layer States

Prerequisite: GAP 5/2 "Observer (LE-Only)" OR GAP 38/2 "Observer (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
13/1	Standby state	[2] 2.2.2	M	☒	
13/2	Scanning state	[2] 2.2.2	M	☒	

Table 14: Observer Link Layer Scanning Types

Prerequisite: GAP 5/2 "Observer (LE-Only)" OR GAP 38/2 "Observer (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
14/1	Passive scanning	[2] 2.2.2	M	☒	
14/2	Active scanning	[2] 2.2.2	O	☒	

Table 15: Observer Connection Modes and Procedures

Prerequisite: GAP 5/2 "Observer (LE-Only)" OR GAP 38/2 "Observer (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
15/1	Non-connectable mode	[2] 9.3.2	M	☒	

Table 16: Observer Broadcasting and Observing Features

Prerequisite: GAP 5/2 "Observer (LE-Only)" OR GAP 38/2 "Observer (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
16/1	Observation procedure	[2] 9.1.2	M	☒	

Table 17: Observer Privacy Feature

Prerequisite: GAP 5/2 "Observer (LE-Only)" OR GAP 38/2 "Observer (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
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Item	Capability	Reference	Support	Status	Comment
17/1	Privacy feature	[5] 10.7	O	☑	
17/2	Non-resolvable private address generation procedure	[5] 10.8.2.1, [6] 1.3.2.2	C.1	☑	C.1: Mandatory IF GAP 17/1 "Privacy feature" AND GAP 14/2 "Active scanning" are supported AND GAP 17/4 "Resolvable private address generation procedure" is not supported, otherwise Optional.
17/3	Resolvable private address resolution procedure	[5] 10.8.2.3, [6] 1.3.2.2	O	☑	
17/4	Resolvable private address generation procedure	[5] 10.8.2.2, [6] 1.3.2.3	C.2	☑	C.2: Mandatory IF GAP 17/1 "Privacy feature" AND GAP 14/2 "Active scanning" are supported AND GAP 17/2 "Non-resolvable private address generation procedure" is not supported, otherwise Optional.

Table 17a: Periodic Advertising Modes and Procedures

Prerequisite: (GAP 5/2 "Observer (LE-Only)" OR GAP 38/2 "Observer (BR/EDR/LE)") AND NOT (SUM ICS 31/17 "Core v4.2" OR SUM ICS 31/18 "Core v4.2+HS")

Item	Capability	Reference	Support	Status	Comment
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Table 17b: Observer Security Aspects Features

Prerequisite: GAP 5/2 "Observer (LE-Only)" OR GAP 38/2 "Observer (BR/EDR/LE)"

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

Prerequisite: GAP 5/3 "Peripheral (LE-Only)" OR GAP 38/3 "Peripheral (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
18/1	Transmitter	[2] 2.2.2	M	☑	
18/2	Receiver	[2] 2.2.2	M	☑	

Table 19: Peripheral Link Layer States

Prerequisite: GAP 5/3 "Peripheral (LE-Only)" OR GAP 38/3 "Peripheral (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
19/1	Standby state	[2] 2.2.2	M	☑	
19/2	Advertising state	[2] 2.2.2	M	☑	
19/3	Connection state, Peripheral role	[4] 2.2.2	M	☑	

Table 20: Peripheral Link Layer Advertising Event Types

Prerequisite: GAP 5/3 "Peripheral (LE-Only)" OR GAP 38/3 "Peripheral (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
20/1	Connectable and scannable undirected event	[4] 2.2.2	M	☑	
20/3	Non-connectable and non-scannable undirected event	[4] 2.2.2, 9.3.2.2, 9.3.11.2	O	☑	
20/4	Scannable undirected event	[4] 2.2.2, 9.3.4.2	O	☑	

Table 20A: Peripheral Link Layer Advertising Data Types

Prerequisite: GAP 5/3 "Peripheral (LE-Only)" OR GAP 38/3 "Peripheral (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
20A/1	Service UUID	[3] 1.1	C.1	☑	C.1: Optional IF (GAP 20/1 "Connectable and scannable undirected event" OR GAP 20/3 "Non-connectable and non-scannable undirected event" OR GAP 20/4 "Scannable undirected event") is supported, otherwise Excluded.
20A/2	Local Name	[3] 1.2	C.1	☑	C.1: Optional IF (GAP 20/1 "Connectable and scannable undirected event" OR GAP 20/3 "Non-connectable and non-scannable undirected event" OR GAP 20/4 "Scannable undirected event") is supported, otherwise Excluded.
20A/3	Flags	[3] 1.3	C.2	☑	C.2: Mandatory IF (GAP 22/2 "Limited discoverable mode" OR GAP 22/3 "General discoverable mode") is supported, otherwise Optional.
20A/4	Manufacturer Specific Data	[3] 1.4	C.1	☑	C.1: Optional IF (GAP 20/1 "Connectable and scannable undirected event" OR GAP 20/3 "Non-connectable and non-scannable undirected event" OR GAP 20/4 "Scannable undirected event") is supported, otherwise Excluded.

20A/5	TXPower Level	[3] 1.5	C.1	☑	C.1: Optional IF (GAP 20/1 "Connectable and scannable undirected event" OR GAP 20/3 "Non-connectable and non-scannable undirected event" OR GAP 20/4 "Scannable undirected event") is supported, otherwise Excluded.
20A/10	Service Data	[3] 1.11	C.1	☑	C.1: Optional IF (GAP 20/1 "Connectable and scannable undirected event" OR GAP 20/3 "Non-connectable and non-scannable undirected event" OR GAP 20/4 "Scannable undirected event") is supported, otherwise Excluded.
20A/11	Appearance	[3] 1.1.12	C.1	☑	C.1: Optional IF (GAP 20/1 "Connectable and scannable undirected event" OR GAP 20/3 "Non-connectable and non-scannable undirected event" OR GAP 20/4 "Scannable undirected event") is supported, otherwise Excluded.

Table 21: Peripheral Link Layer Control Procedures

Prerequisite: GAP 5/3 "Peripheral (LE-Only)" OR GAP 38/3 "Peripheral (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
21/1	Connection Update procedure	[4] 2.2.2	M	☑	
21/2	Channel Map Update procedure	[4] 2.2.2	M	☑	
21/3	Encryption procedure	[4] 2.2.2	O	☑	
21/4	Central-initiated Feature Exchange procedure	[4] 2.2.2	M	☑	
21/5	Version Exchange procedure	[4] 2.2.2	M	☑	
21/6	Termination procedure	[4] 2.2.2	M	☑	

Table 22: Peripheral Discovery Modes and Procedures

Prerequisite: GAP 5/3 "Peripheral (LE-Only)" OR GAP 38/3 "Peripheral (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
22/1	Non-discoverable mode	[4] 9.2.2, 13.1	M	☑	
22/3	General discoverable mode	[4] 9.2.4, 13.1	C.1	☑	C.1: Mandatory IF GAP 5/3 "Peripheral (LE-Only)" is supported AND GAP 22/2 "Limited discoverable mode" is not supported, otherwise Optional IF GAP 5/3 "Peripheral (LE-Only)" AND GAP 22/2 "Limited discoverable mode" are supported, otherwise Mandatory IF GAP 38/3 "Peripheral (BR/EDR/LE)" is supported AND GAP 22/2 "Limited discoverable mode" is not supported, otherwise Optional IF GAP 38/3 "Peripheral (BR/EDR/LE)" AND GAP 22/2 "Limited discoverable mode" are supported, otherwise Excluded.

Table 23: Peripheral Connection Modes and Procedures

Prerequisite: GAP 5/3 "Peripheral (LE-Only)" OR GAP 38/3 "Peripheral (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
23/1	Non-connectable mode	[4] 9.3.2	M	☑	
23/3	Undirected connectable mode	[4] 9.3.4	M	☑	
23/4	Connection parameter update procedure	[4] 9.3.9	O	☑	
23/5	Terminate connection procedure	[4] 9.3.10	M	☑	

Table 24: Peripheral Bonding Modes and Procedures

Prerequisite: GAP 5/3 "Peripheral (LE-Only)" OR GAP 38/3 "Peripheral (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
24/1	Non-bondable mode	[2] 9.4.2	M	☑	
24/2	Bondable mode	[4] 9.4.3, 13.2	O	☑	
24/3	Bonding procedure	[4] 9.4.4, 13.2	O	☑	
24/4	Multiple Bonds	[4] 9.4	C.1	☑	C.1: Optional IF GAP 24/2 "Bondable mode" is supported, otherwise Excluded.

Table 25: Peripheral Security Aspects Features

Prerequisite: GAP 5/3 "Peripheral (LE-Only)" OR GAP 38/3 "Peripheral (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
25/1	LE security mode 1	[4] 10.2.1	O	☑	
25/2	LE security mode 2	[4] 10.2.2	O	☑	
25/3	Authentication procedure	[4] 10.3	O	☑	

25/5	Connection data signing procedure	[4] 10.4.1	O	☑	
25/6	Authenticate signed data procedure	[4] 10.4.3	O	☑	
25/7	Authenticated Pairing (LE security mode 1 level 3)	[4] 10.3	C.1	☑	C.1: Optional IF GAP 25/1 "LE security mode 1" is supported, otherwise Excluded.
25/8	Unauthenticated Pairing (LE security mode 1 level 2)	[4] 10.3	C.1	☑	C.1: Optional IF GAP 25/1 "LE security mode 1" is supported, otherwise Excluded.

Table 26: Peripheral Privacy Feature

Prerequisite: GAP 5/3 "Peripheral (LE-Only)" OR GAP 38/3 "Peripheral (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
26/1	Privacyfeature	[5] 10.7	O	☑	
26/3	Resolvable private address generation procedure	[5] 10.7, 10.8.2.2, [6] 1.3.2.2	C.1	☑	C.1: Mandatory IF GAP 26/1 "Privacy feature" is supported, otherwise Optional.
26/4	Resolvable private address resolution procedure	[5] 10.7, 10.8.2.3, [6] 1.3.2.2	C.1	☑	C.1: Mandatory IF GAP 26/1 "Privacy feature" is supported, otherwise Optional.

Table 27: Peripheral GAP Characteristics

Prerequisite: GAP 5/3 "Peripheral (LE-Only)" OR GAP 38/3 "Peripheral (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
27/1	Device Name	[2] 12.1	M	☑	
27/2	Appearance	[2] 12.2	M	☑	

Table 27a: Periodic Advertising Modes and Procedures

Prerequisite: (GAP 5/3 "Peripheral (LE-Only)" OR GAP 38/3 "Peripheral (BR/EDR/LE)") AND NOT (SUM ICS 31/17 "Core v4.2" OR SUM ICS 31/18 "Core v4.2+HS" OR SUM ICS 31/19 "Core v5.0")

Item	Capability	Reference	Support	Status	Comment
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Table 28: Central Physical Layer

Prerequisite: GAP 5/4 "Central (LE-Only)" OR GAP 38/4 "Central (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
28/1	Transmitter	[2] 2.2.2	M	☑	
28/2	Receiver	[2] 2.2.2	M	☑	

Table 29: Central Link Layer States

Prerequisite: GAP 5/4 "Central (LE-Only)" OR GAP 38/4 "Central (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
29/1	Standby state	[2] 2.2.2	M	☑	
29/2	Scanning state	[2] 2.2.2	M	☑	
29/3	Initiating state	[2] 2.2.2	M	☑	
29/4	Connection state, Central role	[2] 2.2.2	M	☑	

Table 30: Central Link Layer Scanning Types

Prerequisite: GAP 5/4 "Central (LE-Only)" OR GAP 38/4 "Central (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
30/1	Passive scanning	[2] 2.2.2	O	☑	
30/2	Active scanning	[2] 2.2.2	C.1	☑	C.1: Mandatory IF GAP 30/1 "Passive scanning" is not supported, otherwise Optional.

Table 31: Central Link Layer Control Procedures

Prerequisite: GAP 5/4 "Central (LE-Only)" OR GAP 38/4 "Central (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
31/1	Connection Update procedure	[2] 2.2.2	M	☑	
31/2	Channel Map Update procedure	[2] 2.2.2	M	☑	

31/3	Encryption procedure	[2] 2.2.2	O	☑	
31/4	Central-initiated Feature Exchange procedure	[2] 2.2.2	M	☑	
31/5	Version Exchange procedure	[2] 2.2.2	M	☑	
31/6	Termination procedure	[2] 2.2.2	M	☑	
31/8	Peripheral-initiated Feature Exchange procedure	[4] 2.2.2	C.1	☑	C.1: Mandatory IF GAP 31/9 "Connection Parameter Request procedure" is supported, otherwise Optional.

Table 32: Central Discovery Modes and Procedures

Prerequisite: GAP 5/4 "Central (LE-Only)" OR GAP 38/4 "Central (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
32/2	General Discovery procedure	[4] 9.2.6	M	☑	
32/3	Name Discovery procedure	[4] 9.2.7	O	☑	

Table 33: Central Connection Modes and Procedures

Prerequisite: GAP 5/4 "Central (LE-Only)" OR GAP 38/4 "Central (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
33/1	Auto connection establishment procedure	[2] 9.3.5	O	☑	
33/2	General connection establishment procedure	[4] 9.3.6	O	☑	
33/4	Direct connection establishment procedure	[2] 9.3.8	M	☑	
33/5	Connection parameter update procedure	[2] 9.3.9	M	☑	
33/6	Terminate connection procedure	[2] 9.3.10	M	☑	

Table 34: Central Bonding Modes and Procedures

Prerequisite: GAP 5/4 "Central (LE-Only)" OR GAP 38/4 "Central (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
34/1	Non-bondable mode	[4] 9.4.2, 13.2	M	☑	
34/2	Bondable mode	[4] 9.4.3, 13.2	O	☑	
34/3	Bonding procedure	[4] 9.4.4, 13.2	O	☑	

Table 35: Central Security Features

Prerequisite: GAP 5/4 "Central (LE-Only)" OR GAP 38/4 "Central (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
35/1	LE security mode 1	[2] 10.2.1	O	☑	
35/2	LE security mode 2	[2] 10.2.2	O	☑	
35/3	Authentication procedure	[2] 10.3	O	☑	
35/5	Connection data signing procedure	[2] 10.4.1	O	☑	
35/6	Authenticate signed data procedure	[2] 10.4.3	O	☑	
35/7	Authenticated Pairing (LE security mode 1 level 3)	[2] 10.3	C.1	☑	C.1: Optional IF GAP 35/1 "LE security mode 1" is supported, otherwise Excluded.
35/8	Unauthenticated Pairing (LE security mode 1 level 2)	[2] 10.3	C.1	☑	C.1: Optional IF GAP 35/1 "LE security mode 1" is supported, otherwise Excluded.

Table 36: Central Privacy Feature

Prerequisite: GAP 5/4 "Central (LE-Only)" OR GAP 38/4 "Central (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
36/1	Privacy feature	[5] 10.7	O	☑	
36/3	Resolvable private address resolution procedure	[5] 10.7, 10.8.2.3, [6] 1.3.2.2	C.1	☑	C.1: Mandatory IF GAP 36/1 "Privacy feature" is supported, otherwise Optional.
36/5	Resolvable private address generation procedure	[5] 10.7, 10.8.2.2, [6] 1.3.2.3	C.1	☑	C.1: Mandatory IF GAP 36/1 "Privacy feature" is supported, otherwise Optional.

Table 37: Central GAP Characteristics

Prerequisite: GAP 5/4 "Central (LE-Only)" OR GAP 38/4 "Central (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
37/1	Device Name	[2] 12.1	M	☑	
37/2	Appearance	[2] 12.2	M	☑	

Table 37a: Periodic Advertising Modes and Procedures

Prerequisite: (GAP 5/4 "Central (LE-Only)" OR GAP 38/4 "Central (BR/EDR/LE)") AND NOT (SUM ICS 31/17 "Core v4.2" OR SUM ICS 31/18 "Core v4.2+HS" OR SUM ICS 31/19 "Core v5.0")

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

Prerequisite: GAP 0/3 "BR/EDR/LE"

Item	Capability	Reference	Support	Status	Comment
38/1	Broadcaster	[2] 13	C.1	☑	C.1: Mandatory to support at least one of the defined roles.
38/2	Observer	[2] 13	C.1	☑	C.1: Mandatory to support at least one of the defined roles.
38/3	Peripheral	[2] 13	C.1	☑	C.1: Mandatory to support at least one of the defined roles.
38/4	Central	[2] 13	C.1	☑	C.1: Mandatory to support at least one of the defined roles.

Table 41: Central BR/EDR/LE Security Aspects

Prerequisite: GAP 38/4 "Central (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
41/1	Security aspects	[2] 14	M	☑	

Table 43: Peripheral BR/EDR/LE Security Aspects

Prerequisite: GAP 38/3 "Peripheral (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
43/1	Security aspects	[2] 14	M	☑	

Table 44: Central Simultaneous BR/EDR and LE Transports

Prerequisite: GAP 38/4 "Central (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
44/1	Simultaneous BR/EDR and LE Transports – BR/EDR Peripheral to the same device	[4] 13.1.1	O	☑	
44/2	Simultaneous BR/EDR and LE Transports – BR/EDR Central to the same device	[4] 13.1.1	O	☑	

Table 45: Peripheral Simultaneous BR/EDR and LE Transports

Prerequisite: GAP 38/3 "Peripheral (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
45/1	Simultaneous BR/EDR and LE Transports – BR/EDR Peripheral to the same device	[4] 13.1.1	O	☑	
45/2	Simultaneous BR/EDR and LE Transports – BR/EDR Central to the same device	[4] 13.1.1	O	☑	

Generic Attribute Profile

Table 1: Generic Attribute Profile Support

Item	Capability	Reference	Support	Status	Comment
1/1	Generic Attribute Profile (GATT) Client	[1] 2.2, [2] 12	C.1	☑	C.1: Mandatory IF GATT 1a/1 "GATT Client over LE" OR GATT 1a/2 "GATT Client over BR/EDR" is supported, otherwise Excluded.
1/2	Generic Attribute Profile (GATT) Server	[1] 2.2, [2] 12	C.2	☑	C.2: Mandatory IF GATT 1a/3 "GATT Server over LE" OR GATT 1a/4 "GATT Server over BR/EDR" is supported, otherwise Excluded.

Table 1a: GATT role configuration

Item	Capability	Reference	Support	Status	Comment
1a/1	GATT Client over LE	[1] 2.2, [2] 12	C.1	☑	C.1: Optional IF GATT 2/2 "Attribute Protocol Supported over LE" is supported, otherwise Excluded.
1a/3	GATT Server over LE	[1] 2.2, [2] 12	C.3	☑	C.3: Mandatory IF GATT 2/2 "Attribute Protocol Supported over LE" is supported, otherwise Excluded.

Table 2: Attribute Protocol Transport

Item	Capability	Reference	Support	Status	Comment
2/1	Attribute Protocol Supported over BR/EDR (L2CAP fixed channel support)	[1] 2	C.1	☑	C.1: Mandatory IF ATT 2/1 "Attribute Protocol Supported over BR/EDR (L2CAP Fixed ATT PSMsupport)" is supported, otherwise Excluded.
2/2	Attribute Protocol Supported over LE	[1] 2	C.2	☑	C.2: Mandatory IF ATT 2/2 "Attribute Protocol Supported over LE" is supported, otherwise Excluded.

Table 3: Generic Attribute Profile Feature Support, by Client

Prerequisite: GATT 1/1 "Generic Attribute Profile (GATT) Client" AND (GATT 1a/1 "GATT Client over LE" OR GATT 1a/2 "GATT Client over BR/EDR")

Item	Capability	Reference	Support	Status	Comment
3/2	Discover All Primary Services	[1] 4.4.1	O	☑	
3/3	Discover Primary Services by Service UUID	[1] 4.4.2	O	☑	
3/4	Find Included Services	[1] 4.5.1	O	☑	
3/5	Discover All characteristics of a Service	[1] 4.6.1	O	☑	
3/6	Discover Characteristics by UUID	[1] 4.6.2	O	☑	
3/7	Discover All Characteristic Descriptors	[1] 4.7.1	O	☑	
3/8	Read Characteristic Value	[1] 4.8.1	O	☑	
3/9	Read Using Characteristic UUID	[1] 4.8.2	O	☑	
3/10	Read Long Characteristic Values	[1] 4.8.3	O	☑	
3/11	Read Multiple Characteristic Values	[1] 4.8.4	O	☑	
3/12	Write without Response	[1] 4.9.1	O	☑	
3/13	Signed Write Without Response	[1] 4.9.2	C.11	☑	C.11: Optional IF GATT 1a/1 "GATT Client over LE" is supported, otherwise Excluded.
3/14	Write Characteristic Value	[1] 4.9.3	O	☑	
3/15	Write Long Characteristic Values	[1] 4.9.4	O	☑	
3/16	Characteristic Value Reliable Writes	[1] 4.9.5	O	☑	
3/17	Notifications	[1] 4.10.1	C.7	☑	C.7: Mandatory IF ATT 2/3 "Enhanced ATT bearer Attribute Protocol Supported (L2CAP fixed EATT PSMsupported)" is supported, otherwise Optional.
3/18	Indications	[1] 4.11.1	M	☑	
3/19	Read Characteristic Descriptors	[1] 4.12.1	O	☑	
3/20	Read Long Characteristic Descriptors	[1] 4.12.2	O	☑	
3/21	Write Characteristic Descriptors	[1] 4.12.3	O	☑	
3/22	Write Long Characteristic Descriptors	[1] 4.12.4	O	☑	
3/23	Service Changed Characteristic	[1] 7.1	M	☑	
3/24	Configured Broadcast	[1] 2.7	C.2	☑	C.2: Optional IF GATT 3/14 "Write Characteristic Value" is supported, otherwise Excluded.

Table 4: Generic Attribute Profile Feature Support, by Server

Prerequisite: GATT 1/2 "Generic Attribute Profile (GATT) Server" AND (GATT 1a/3 "GATT Server over LE" OR GATT 1a/4 "GATT Server over BR/EDR")

Item	Capability	Reference	Support	Status	Comment
4/1	Exchange MTU	[1] 4.3.1	C.6	☑	C.6: Optional IF GATT 1a/3 "GATT Server over LE" is supported, otherwise Excluded.
4/2	Discover All Primary Services	[1] 4.4.1	M	☑	
4/3	Discover Primary Services by Service UUID	[1] 4.4.2	M	☑	
4/4	Find Included Services	[1] 4.5.1	M	☑	
4/5	Discover All characteristics of a Service	[1] 4.6.1	M	☑	
4/6	Discover Characteristics by UUID	[1] 4.6.2	M	☑	
4/7	Discover All Characteristic Descriptors	[1] 4.7.1	M	☑	
4/8	Read Characteristic Value	[1] 4.8.1	M	☑	
4/9	Read Using Characteristic UUID	[1] 4.8.2	M	☑	
4/10	Read Long Characteristic Values	[1] 4.8.3	C.12	☑	C.12: Mandatory IF ATT 2/3 "Enhanced ATT bearer Attribute Protocol Supported (L2CAP fixed EATT PSM supported)" is supported, otherwise Optional.
4/11	Read Multiple Characteristic Values	[1] 4.8.4	O	☑	
4/12	Write without Response	[1] 4.9.1	C.2	☑	C.2: Mandatory IF (GATT 4/13 "Signed Write Without Response" OR ATT 2/3 "Enhanced ATT bearer Attribute Protocol Supported (L2CAP fixed EATT PSM supported)") is supported, otherwise Optional.
4/13	Signed Write Without Response	[1] 4.9.2	C.6	☑	C.6: Optional IF GATT 1a/3 "GATT Server over LE" is supported, otherwise Excluded.
4/14	Write Characteristic Value	[1] 4.9.3	C.3	☑	C.3: Mandatory IF (GATT 4/15 "Write Long Characteristic Values" OR ATT 2/3 "Enhanced ATT bearer Attribute Protocol Supported (L2CAP fixed EATT PSM supported)") is supported, otherwise Optional.
4/15	Write Long Characteristic Values	[1] 4.9.4	C.12	☑	C.12: Mandatory IF ATT 2/3 "Enhanced ATT bearer Attribute Protocol Supported (L2CAP fixed EATT PSM supported)" is supported, otherwise Optional.
4/16	Characteristic Value Reliable Writes	[1] 4.9.5	O	☑	
4/17	Notifications	[1] 4.10.1	O	☑	
4/18	Indications	[1] 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	[1] 4.12.1	C.12	☑	C.12: Mandatory IF ATT 2/3 "Enhanced ATT bearer Attribute Protocol Supported (L2CAP fixed EATT PSM supported)" is supported, otherwise Optional.
4/20	Read Long Characteristic Descriptors	[1] 4.12.2	C.12	☑	C.12: Mandatory IF ATT 2/3 "Enhanced ATT bearer Attribute Protocol Supported (L2CAP fixed EATT PSM supported)" is supported, otherwise Optional.
4/21	Write Characteristic Descriptors	[1] 4.12.3	C.12	☑	C.12: Mandatory IF ATT 2/3 "Enhanced ATT bearer Attribute Protocol Supported (L2CAP fixed EATT PSM supported)" is supported, otherwise Optional.
4/22	Write Long Characteristic	[1] 4.12.4	O	☑	

Descriptors					
4/23	Service Changed Characteristic	[1] 7.1	C.1	☑	C.1: Mandatory IF service definitions on the server can be added, changed, or removed, otherwise Optional.
4/25	Execute Write Request with emptyqueue	[1] 4.9.4, 4.9.5, 4.12.4	C.7	☑	C.7: Optional IF (SUMICS 31/17 "Core v4.2" OR SUMICS 31/18 "Core v4.2+HS") AND (GATT 4/15 "Write Long Characteristic Values" OR GATT 4/16 "Characteristic Value Reliable Writes" OR GATT 4/22 "Write Long Characteristic Descriptors") are supported, otherwise Mandatory IF SUMICS 31/17 "Core v4.2" OR SUMICS 31/18 "Core v4.2+HS" is not supported AND GATT 4/15 "Write Long Characteristic Values" OR GATT 4/16 "Characteristic Value Reliable Writes" OR GATT 4/22 "Write Long Characteristic Descriptors" is supported, otherwise Excluded.

Table 6: SDP Interoperability

Prerequisite: GATT 2/1 "Attribute Protocol Supported over BR/EDR (L2CAP fixed channel support)"

Item	Capability	Reference	Support	Status	Comment
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Table 7: Attribute Protocol Transport Security

Item	Capability	Reference	Support	Status	Comment
7/1	Security Mode 4	[2] 5	C.1	☑	C.1: Mandatory IF GATT 2/1 "Attribute Protocol Supported over BR/EDR (L2CAP fixed channel support)" is supported, otherwise Excluded.
7/2	LE Security Mode 1	[2] 10.2.1	C.5	☑	C.5: Mandatory IF ATT 5/2 "LE Security Mode 1" is supported, otherwise Optional IF GATT 2/2 "Attribute Protocol Supported over LE" is supported, otherwise Excluded.
7/3	LE Security Mode 2	[2] 10.2.2	C.6	☑	C.6: Mandatory IF ATT 5/3 "LE Security Mode 2" is supported, otherwise Optional IF GATT 2/2 "Attribute Protocol Supported over LE" is supported, otherwise Excluded.
7/4	LE Authentication Procedure	[2] 10.3	C.4	☑	C.4: Mandatory IF ATT 5/4 "LE Authentication Procedure" is supported, otherwise Optional IF GATT 2/2 "Attribute Protocol Supported over LE" is supported, otherwise Excluded.
7/5	LE connection data signing procedure	[2] 10.4.1	C.2	☑	C.2: Optional IF GATT 2/2 "Attribute Protocol Supported over LE" is supported, otherwise Excluded.
7/6	LE Authenticate signed data procedure	[2] 10.4.2	C.2	☑	C.2: Optional IF GATT 2/2 "Attribute Protocol Supported over LE" is supported, otherwise Excluded.

Table 8: Multiple Simultaneous ATT Bearers

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

Table 1: Roles

Item	Capability	Reference	Support	Status	Comment
1/1	Initiator	[1] 2.2	C.1	☑	C.1: Mandatory to support at least one of GAVDP 1/1 "Initiator" OR GAVDP 1/2 "Acceptor".
1/2	Acceptor	[1] 2.2	C.1	☑	C.1: Mandatory to support at least one of GAVDP 1/1 "Initiator" OR GAVDP 1/2 "Acceptor".
1/3	Delay Reporting Initiator	[1] 4.1.1	C.2	☑	C.2: Optional IF GAVDP 2a/3 "GAVDP 1.3" OR GAVDP 3a/3 "GAVDP 1.3" is supported, otherwise Excluded.

Table 2: GAVDP Procedures (Initiator)

Prerequisite: GAVDP 1/1 "Initiator"

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

Table 2a: GAVDP Initiator – Major Versions (X.Y)

Prerequisite: GAVDP 1/1 "Initiator"

Item	Capability	Reference	Support	Status	Comment
2a/3	GAVDP	GAVDP	C.1	☑	C.1: Mandatory to support one and only one of GAVDP 2a/1 "GAVDP 1.0" OR GAVDP 2a/2 "GAVDP 1.2" OR

Table 4: AVDTP Procedures (Initiator)

Prerequisite: GAVDP 1/1 "Initiator"

Item	Capability	Reference	Support	Status	Comment
4/1	Stream discover command	[1] 3.1.9	M	☑	
4/2	Stream get capabilities command	[1] 3.1.9	M	☑	
4/3	Set configuration command	[1] 3.1.9	M	☑	
4/4	Open stream command	[1] 3.1.9	M	☑	
4/5	Start stream command	[1] 3.1.9	M	☑	
4/6	Close stream command	[1] 3.1.9	M	☑	
4/7	Abort stream command	[1] 3.1.9	M	☑	
4/8	Stream get all capabilities command	[1] 3.1.1	C.1	☑	C.1: Mandatory IF GAVDP 2a/3 "GAVDP 1.3" is supported, otherwise not defined.

Table 3: GAVDP Procedures (Acceptor)

Prerequisite: GAVDP 1/2 "Acceptor"

Item	Capability	Reference	Support	Status	Comment
3/1	Connection Establishment	[1] 4.1.1	M	☑	
3/4	Start Streaming	[1] 4.1.2	M	☑	
3/5	Connection Release	[1] 4.1.3	M	☑	
3/6	Signaling Control – Abort	[1] 4.1.6	M	☑	

Table 3a: GAVDP Acceptor – Major Versions (X.Y)

Prerequisite: GAVDP 1/2 "Acceptor"

Item	Capability	Reference	Support	Status	Comment
3a/3	GAVDP 1.3	GAVDP 1.3	C.1	☑	C.1: Mandatory to support one and only one of GAVDP 2a/1 "GAVDP 1.0" OR GAVDP 2a/2 "GAVDP 1.2" OR GAVDP 2a/3 "GAVDP 1.3".

Table 5: AVDTP Procedures (Acceptor)

Prerequisite: GAVDP 1/2 "Acceptor"

Item	Capability	Reference	Support	Status	Comment
5/1	Stream discover response	[1] 3.1.9	M	☑	
5/2	Stream get capabilities response	[1] 3.1.9	M	☑	
5/3	Set configuration response	[1] 3.1.9	M	☑	
5/4	Open stream response	[1] 3.1.9	M	☑	
5/5	Start stream response	[1] 3.1.9	M	☑	
5/6	Close stream response	[1] 3.1.9	M	☑	
5/7	General reject message	[1] 3.1.9	M	☑	
5/8	Abort stream response	[1] 3.1.9	M	☑	
5/9	Stream get all capabilities response	[1] 3.1.1	C.1	☑	C.1: Mandatory IF GAVDP 3a/3 "GAVDP 1.3" is supported, otherwise not defined.

Human Interface Device Profile

Table 0: Profile Versions

Item	Capability	Reference	Support	Status	Comment
0/1	HID 1.0	HID 1.0	C.1	☑	C.1: Mandatory to support one and only one profile version.

Table 1: Roles

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Item	Capability	Reference	Support	Status	Comment
1/1	Host, Report protocol	5.0	C.1	☒	C.1: Mandatory to support at least one of these roles.

Table 2: Application Procedures

Prerequisite: HID 1/1 or HID 1/3

Item	Capability	Reference	Support	Status	Comment
2/1	Establish HID connection	7.1.1	C.4	☒	C.4: Mandatory IF 1/1 (Host, Report protocol) is supported, otherwise Optional.
2/2	Accept HID connection	7.1.1	C.4	☒	C.4: Mandatory IF 1/1 (Host, Report protocol) is supported, otherwise Optional.
2/3	Terminate HID connection	7.1.1	C.4	☒	C.4: Mandatory IF 1/1 (Host, Report protocol) is supported, otherwise Optional.
2/4	Accept Termination of HID connection	7.1.1	C.4	☒	C.4: Mandatory IF 1/1 (Host, Report protocol) is supported, otherwise Optional.
2/5	Support for virtual cables	6.4	C.4	☒	C.4: Mandatory IF 1/1 (Host, Report protocol) is supported, otherwise Optional.
2/6	HID initiated reconnection	6.4	C.4	☒	C.4: Mandatory IF 1/1 (Host, Report protocol) is supported, otherwise Optional.
2/7	Host initiated reconnection	6.4	C.4	☒	C.4: Mandatory IF 1/1 (Host, Report protocol) is supported, otherwise Optional.
2/8	Host data transfer to HID	7.1.4	C.1	☒	C.1: Optional IF 1/3 (Host, Boot protocol) is supported; Mandatory if 1/1 (Host, Report protocol) is supported; otherwise Excluded.
2/9	HID data transfer to Host	7.1.3	C.1	☒	C.1: Optional IF 1/3 (Host, Boot protocol) is supported; Mandatory if 1/1 (Host, Report protocol) is supported; otherwise Excluded.

Table 3: Device to Host Transfers

Prerequisite: HID 1/1 or HID 1/3

Item	Capability	Reference	Support	Status	Comment
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Table 4: Host to Device Transfers

Prerequisite: HID 1/1 or HID 1/3

Item	Capability	Reference	Support	Status	Comment
4/3	Data reports to device	7.4.9	C.2	☒	C.2: Excluded IF 1/3 (Host, Boot protocol); Mandatory if 1/1 (Host, Report protocol) is supported.

Table 5: HID Control Commands

Prerequisite: HID 1/1 or HID 1/3

Item	Capability	Reference	Support	Status	Comment
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Table 6: Host Link Manager Procedures

Item	Capability	Reference	Support	Status	Comment
6/8	Role switch (Master/Slave)	9.0	C.4	☒	C.4: Mandatory IF 1/1 (Host, Report protocol) is supported, otherwise Excluded.
6/9	Request Master Slave switch	9.0	C.4	☒	C.4: Mandatory IF 1/1 (Host, Report protocol) is supported, otherwise Excluded.
6/10	Accept Master Slave switch requests	9.0	C.4	☒	C.4: Mandatory IF 1/1 (Host, Report protocol) is supported, otherwise Excluded.
6/12	Sniff mode	9.0	C.4	☒	C.4: Mandatory IF 1/1 (Host, Report protocol) is supported, otherwise Excluded.

Table 7: Host Link Control Requirements

Item	Capability	Reference	Support	Status	Comment
7/1	Supports inquiry, 79 channel	10.7.3	C.1	☒	C.1: Mandatory IF 1/1 (Host, Report protocol) supported, otherwise Excluded.

Table 8: HID Device Roles

Prerequisite: HID 1/2

Item	Capability	Reference	Support	Status	Comment
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Table 10: Device to Host Transfers

Prerequisite: HID 1/2

Item	Capability	Reference	Support	Status	Comment
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Table 11: Host to Device Transfers

Prerequisite: HID 1/2

Item	Capability	Reference	Support	Status	Comment
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Table 12: HID Control Commands

Prerequisite: HID 1/2

Item	Capability	Reference	Support	Status	Comment
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Table 13: HID Link Manager Procedures

Item	Capability	Reference	Support	Status	Comment
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Table 14: HID Link Control Requirements

Item	Capability	Reference	Support	Status	Comment
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Table 9: HID Application Procedures

Prerequisite: HID 1/2

Item	Capability	Reference	Support	Status	Comment
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Interoperability Test Specification

Table 1: Interoperability Test Specification

Item	Capability	Reference	Support	Status	Comment
1/1	Interoperability	IOP	M	☑	

Table 2: Design Configuration

Item	Capability	Reference	Support	Status	Comment
2/1	BR/EDR	GAP 0/1	C.1, C.2	☑	C.1: Mandatory to support at least one transport. C.2: Mandatory If IOP 2/3 "BR/EDR/LE" is Supported, otherwise Optional.
2/2	LE	GAP 0/2	C.1, C.2	☑	C.1: Mandatory to support at least one transport. C.2: Mandatory If IOP 2/3 "BR/EDR/LE" is Supported, otherwise Optional.
2/3	BR/EDR/LE	GAP 0/3	C.3	☑	C.3: Mandatory if IOP 2/1 "BR/EDR" AND IOP 2/2 "LE" is Supported, otherwise Excluded.

Logical Link Control and Adaption Protocol

Table 0: L2CAP Transport Configuration

Item	Capability	Reference	Support	Status	Comment
0/3	BR/EDR/LE	[6] 1.1	C.3	☑	C.3: Mandatory IF SUMICS 32/1 "Logical Link Control and Adaptation Protocol (L2CAP)" AND SUMICS 34/1 "Logical Link Control and Adaptation Protocol (L2CAP)" are supported, otherwise Excluded.

Table 1: Roles

Item	Capability	Reference	Support	Status	Comment
1/1	Data Channel Initiator	[1] 2	C.3	☑	C.3: Optional IF L2CAP 0/1 "BR/EDR (includes possible support of GAP LE Broadcaster or LE Observer roles)" OR L2CAP 0/3 "BR/EDR/LE" is supported, otherwise Excluded.
1/2	Data Channel Acceptor	[1] 2	C.1	☑	C.1: Mandatory IF L2CAP 0/1 "BR/EDR (includes possible support of GAP LE Broadcaster or LE Observer roles)" OR L2CAP 0/3 "BR/EDR/LE" is supported, otherwise Excluded.
1/3	LE Central	[4] 2	C.2	☑	C.2: Mandatory to support at least one of L2CAP 1/3 "LE Central" OR L2CAP 1/4 "LE Peripheral" IF L2CAP 0/2 "LE" OR L2CAP 0/3 "BR/EDR/LE" is supported, otherwise Excluded.
1/4	LE Peripheral	[4] 2	C.2	☑	C.2: Mandatory to support at least one of L2CAP 1/3 "LE Central" OR L2CAP 1/4 "LE Peripheral" IF L2CAP 0/2 "LE" OR L2CAP 0/3 "BR/EDR/LE" is supported, otherwise Excluded.

1/5	LE Data Channel Initiator	[5] 3.4	C.4	☑	C.4: Optional IF (L2CAP 0/2 "LE" OR L2CAP 0/3 "BR/EDR/LE") AND L2CAP 2/46 "Support LE Credit Based Flow Control Mode" are supported, otherwise Excluded.
1/6	LE Data Channel Acceptor	[5] 3.4	C.5	☑	C.5: Mandatory IF (L2CAP 0/2 "LE" OR L2CAP 0/3 "BR/EDR/LE") AND L2CAP 2/46 "Support LE Credit Based Flow Control Mode" are supported, otherwise Excluded.

Table 2: General Operation

Item	Capability	Reference	Support	Status	Comment
2/1	Support of L2CAP signaling channel	[1] 2.2	C.16	☑	C.16: Mandatory IF L2CAP 0/1 "BR/EDR (includes possible support of GAP LE Broadcaster or LE Observer roles)" OR L2CAP 0/3 "BR/EDR/LE" is supported, otherwise Excluded.
2/2	Support of configuration process	[1] 7.1	C.16	☑	C.16: Mandatory IF L2CAP 0/1 "BR/EDR (includes possible support of GAP LE Broadcaster or LE Observer roles)" OR L2CAP 0/3 "BR/EDR/LE" is supported, otherwise Excluded.
2/3	Support of connection oriented data channel	[1] 2.2	C.16	☑	C.16: Mandatory IF L2CAP 0/1 "BR/EDR (includes possible support of GAP LE Broadcaster or LE Observer roles)" OR L2CAP 0/3 "BR/EDR/LE" is supported, otherwise Excluded.
2/4	Support of command echo request	[1] 4.8	C.17	☑	C.17: Optional IF L2CAP 0/1 "BR/EDR (includes possible support of GAP LE Broadcaster or LE Observer roles)" OR L2CAP 0/3 "BR/EDR/LE" is supported, otherwise Excluded.
2/5	Support of command echo response	[1] 4.9	C.16	☑	C.16: Mandatory IF L2CAP 0/1 "BR/EDR (includes possible support of GAP LE Broadcaster or LE Observer roles)" OR L2CAP 0/3 "BR/EDR/LE" is supported, otherwise Excluded.
2/6	Support of command information request	[1] 4.10	C.17	☑	C.17: Optional IF L2CAP 0/1 "BR/EDR (includes possible support of GAP LE Broadcaster or LE Observer roles)" OR L2CAP 0/3 "BR/EDR/LE" is supported, otherwise Excluded.
2/7	Support of command information response	[1] 4.11	C.16	☑	C.16: Mandatory IF L2CAP 0/1 "BR/EDR (includes possible support of GAP LE Broadcaster or LE Observer roles)" OR L2CAP 0/3 "BR/EDR/LE" is supported, otherwise Excluded.
2/12	Enhanced Retransmission Mode	[2] 8.6	C.11	☑	C.11: Mandatory IF SUMICS 31/18 "Core v4.2+HS" is supported, otherwise Optional.
2/13	Streaming Mode	[2] 8.7	O	☑	
2/14	FCS Option	[2] 5.5	C.1	☑	C.1: Optional IF L2CAP 2/12 "Enhanced Retransmission Mode" OR L2CAP 2/13 "Streaming Mode" is supported, otherwise Excluded.
2/15	Generate Local Busy Condition	[2] 8.6.4.3	C.2	☑	C.2: Optional IF L2CAP 2/12 "Enhanced Retransmission Mode" AND L2CAP 2/28 "Supports configuring the peer TxWindow greater than 1" is supported, otherwise Excluded.
2/16	Send Reject	[2] 8.6.1.2	C.2	☑	C.2: Optional IF L2CAP 2/12 "Enhanced Retransmission Mode" AND L2CAP 2/28 "Supports configuring the peer TxWindow greater than 1" is supported, otherwise Excluded.
2/17	Send Selective Reject	[2] 8.6.1.3	C.2	☑	C.2: Optional IF L2CAP 2/12 "Enhanced Retransmission Mode" AND L2CAP 2/28 "Supports configuring the peer TxWindow greater than 1" is supported, otherwise Excluded.
2/18	Mandatory use of ERTM	[2] 8.6	C.3	☑	C.3: Mandatory to support at least one of L2CAP 2/18 "Mandatory use of ERTM" OR L2CAP 2/20 "Optional use of ERTM" IF L2CAP 2/12 "Enhanced Retransmission Mode" is supported, otherwise Excluded.
2/19	Mandatory use of Streaming Mode	[2] 8.7	C.4	☑	C.4: Mandatory to support at least one of L2CAP 2/19 "Mandatory use of Streaming Mode" OR L2CAP 2/21 "Optional use of Streaming Mode" IF L2CAP 2/13 "Streaming Mode" is supported, otherwise Excluded.
2/20	Optional use of ERTM	[2] 8.6	C.3	☑	C.3: Mandatory to support at least one of L2CAP 2/18 "Mandatory use of ERTM" OR L2CAP 2/20 "Optional use of ERTM" IF L2CAP 2/12 "Enhanced Retransmission Mode" is supported, otherwise Excluded.
2/21	Optional use of Streaming Mode	[2] 8.7	C.4	☑	C.4: Mandatory to support at least one of L2CAP 2/19 "Mandatory use of Streaming Mode" OR L2CAP 2/21 "Optional use of Streaming Mode" IF L2CAP 2/13 "Streaming Mode" is supported, otherwise Excluded.
2/22	Send data using SAR in ERTM	[2] 3.3.2	C.5	☑	C.5: Optional IF L2CAP 2/12 "Enhanced Retransmission Mode" is supported, otherwise Excluded.
2/23	Send data using SAR in Streaming Mode	[2] 3.3.2	C.6	☑	C.6: Optional IF L2CAP 2/13 "Streaming Mode" is supported, otherwise Excluded.
2/24	Actively request Basic Mode for a PSM that supports the use of ERTM or Streaming Mode	[2] 5.4	C.7	☑	C.7: Optional IF L2CAP 2/12 "Enhanced Retransmission Mode" OR L2CAP 2/13 "Streaming Mode" is supported, otherwise Excluded.

2/25	Supports performing L2CAP channel mode configuration fallback from Streaming Mode to ERTM	[2] 5.4	C.8	☑	C.8: Mandatory IF L2CAP 2/12 "Enhanced Retransmission Mode" AND L2CAP 2/13 "Streaming Mode" AND L2CAP 2/21 "Optional use of Streaming Mode" are supported, otherwise Excluded.
2/26	Supports sending more than one unacknowledged I-Frame when operating in ERTM	[2] 8.6.5	C.9	☑	C.9: Optional IF L2CAP 2/12 "Enhanced Retransmission Mode" is supported, otherwise Excluded.
2/27	Supports sending more than three unacknowledged I-Frame when operating in ERTM	[2] 8.6.5	C.9	☑	C.9: Optional IF L2CAP 2/12 "Enhanced Retransmission Mode" is supported, otherwise Excluded.
2/28	Supports configuring the peer TxWindow greater than 1	[2] 5.4	C.10	☑	C.10: Optional IF L2CAP 2/12 "Enhanced Retransmission Mode" is supported, otherwise Excluded.
2/30	Fixed Channel Support	[3] 2.1	C.11	☑	C.11: Mandatory IF SUMICS 31/18 "Core v4.2+HS" is supported, otherwise Optional.
2/40	Support of Low Energy signaling channel	[4] 2.1, 2.2	C.13	☑	C.13: Mandatory IF L2CAP 0/2 "LE" OR L2CAP 0/3 "BR/EDR/LE" is supported, otherwise Excluded.
2/41	Support of command reject	[4] 4.10	C.13	☑	C.13: Mandatory IF L2CAP 0/2 "LE" OR L2CAP 0/3 "BR/EDR/LE" is supported, otherwise Excluded.
2/42	Send Connection Parameter Update Request	[4] 4.20	C.14	☑	C.14: Optional IF L2CAP 1/4 "LE Peripheral" is supported, otherwise Excluded.
2/43	Send Connection Parameter Update Response	[4] 4.21	C.15	☑	C.15: Mandatory IF L2CAP 1/3 "LE Central" is supported, otherwise Excluded.
2/45	Send Disconnect Request Command	[1] 4.6	C.21	☑	C.21: Optional IF L2CAP 2/1 "Support of L2CAP signaling channel" is supported, otherwise Excluded.
2/46	Support LE Credit Based Flow Control Mode	[5] 3.4	C.19	☑	C.19: Optional IF L2CAP 0/2 "LE" OR L2CAP 0/3 "BR/EDR/LE" is supported, otherwise Excluded.
2/47	Support for LE Data Channel	[1] 3.4	C.20	☑	C.20: Mandatory IF L2CAP 2/46 "Support LE Credit Based Flow Control Mode" is supported, otherwise Excluded.

Table 3: Configurable Parameters

Item	Capability	Reference	Support	Status	Comment
3/1	Support of RTX timer	[1] 6.2.1	M	☑	
3/2	Support of ERTX timer	[1] 6.2.2	C.4	☑	C.4: Mandatory IF L2CAP 0/1 "BR/EDR (includes possible support of GAP LE Broadcaster or LE Observer roles)" OR L2CAP 0/3 "BR/EDR/LE" is supported, otherwise Excluded.
3/3	Support minimum MTU size 48 octets	[1] 5.1	C.4	☑	C.4: Mandatory IF L2CAP 0/1 "BR/EDR (includes possible support of GAP LE Broadcaster or LE Observer roles)" OR L2CAP 0/3 "BR/EDR/LE" is supported, otherwise Excluded.
3/4	Support MTU size larger than 48 octets	[1] 5.1	C.5	☑	C.5: Optional IF L2CAP 0/1 "BR/EDR (includes possible support of GAP LE Broadcaster or LE Observer roles)" OR L2CAP 0/3 "BR/EDR/LE" is supported, otherwise Excluded.
3/5	Support of flush timeout value for reliable channel	[1] 5.2	C.4	☑	C.4: Mandatory IF L2CAP 0/1 "BR/EDR (includes possible support of GAP LE Broadcaster or LE Observer roles)" OR L2CAP 0/3 "BR/EDR/LE" is supported, otherwise Excluded.
3/12	Support minimum MTU size 23 octets	[4] 5.1	C.6	☑	C.6: Mandatory IF L2CAP 0/2 "LE" OR L2CAP 0/3 "BR/EDR/LE" is supported, otherwise Excluded.
3/16	Support Multiple Simultaneous LE Data Channels	[5] 3.4	C.10	☑	C.10: Optional IF L2CAP 2/47 "Support for LE Data Channel" is supported, otherwise Excluded.

Table 4: Security Aspects

Item	Capability	Reference	Support	Status	Comment
4/1	Authentication Procedure	[1] 4.23, 4.26	C.1	☑	C.1: Mandatory IF GAP 2/1 "Authentication procedure" OR GAP 25/3 "Authentication procedure" OR GAP 35/3 "Authentication procedure" is supported, otherwise Optional.
4/3	Encryption procedure	[1] 4.23, 4.26	C.3	☑	C.3: Mandatory IF GAP 2/5 "Security mode 2" OR GAP 2/6 "Security mode 3" OR GAP 2/7 "Security mode 4" OR GAP 25/6 "Authenticate signed data procedure" OR GAP 25/7 "Authenticated Pairing (LE security mode 1 level 3)" OR GAP 25/9 "LE security mode 1 level 4" OR GAP 35/6 "Authenticate signed data procedure" OR GAP 35/7 "Authenticated Pairing (LE security mode 1 level 3)" OR GAP 35/9 "LE security mode 1 level 4" is supported, otherwise Optional.

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Table 10: Scatternet Capabilities

Item	Capability	Reference	Support	Status	Comment
10/1	Act as LE Central and LE Peripheral at the same time	[3] 1.1.1	O	☑	
10/2	Act as LE Peripheral to more than one LE Central at the same time.	[3] 1.1.1	O	☑	

Table 11: Protocol Synchronizing Features

Prerequisite: LL 1/3a "Synchronized State"

Item	Capability	Reference	Support	Status	Comment
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Table 11a: Synchronized Receiver Features

Prerequisite: LL 9/34 "Synchronized Receiver"

Item	Capability	Reference	Support	Status	Comment
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Table 1: Controller States/Roles

Item	Capability	Reference	Support	Status	Comment
1/1	Advertising State	[1] 4.4.2	C.1	☑	C.1: Mandatory to support at least one of LL 1/1 "Advertising State" OR LL 1/2 "Scanning State" OR LL 1/3 "Initiating State".
1/2	Scanning State	[1] 4.4.3	C.1	☑	C.1: Mandatory to support at least one of LL 1/1 "Advertising State" OR LL 1/2 "Scanning State" OR LL 1/3 "Initiating State".
1/3	Initiating State	[1] 4.4.4	C.1	☑	C.1: Mandatory to support at least one of LL 1/1 "Advertising State" OR LL 1/2 "Scanning State" OR LL 1/3 "Initiating State".
1/4	Peripheral Role	[1] 4.5.5	C.3	☑	C.3: Optional IF LL 1/1 "Advertising State" is supported, otherwise Excluded.
1/5	Central Role	[1] 4.5.4	C.2	☑	C.2: Mandatory IF LL 1/3 "Initiating State" is supported, otherwise Excluded.

Table 12: Protocol Isochronous Broadcasting Features

Prerequisite: LL 1/6 "Isochronous Broadcasting State"

Item	Capability	Reference	Support	Status	Comment
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Table 2: Device Address Types

Prerequisite: LL 1/1 "Advertising State" OR LL 1/2 "Scanning State" OR LL 1/3 "Initiating State"

Item	Capability	Reference	Support	Status	Comment
2/1	Public Address	[1] 1.3	C.1	☑	C.1: Mandatory to support at least one of LL 2/1 "Public Address" OR LL 2/2 "Random Address" OR LL 2/3 "Static Address".
2/2	Random Address	[1] 1.3	C.1	☑	C.1: Mandatory to support at least one of LL 2/1 "Public Address" OR LL 2/2 "Random Address" OR LL 2/3 "Static Address".

Table 3: Protocol Advertising Features

Prerequisite: LL 1/1 "Advertising State"

Item	Capability	Reference	Support	Status	Comment
3/1	Non-Connectable and Non-Scannable Undirected Events	[1] 4.4.2.6	C.1	☑	C.1: Mandatory IF GAP 5/1 "Broadcaster" is supported, otherwise Optional IF GAP 5/3 "Peripheral" is supported, otherwise Optional.
3/2	Connectable and Scannable Undirected Events	[1] 4.4.2.3	C.2	☑	C.2: Mandatory IF GAP 5/3 "Peripheral" is supported, otherwise Optional.
3/3	Advertising Data	[1] 4.4.2.3, 4.4.2.5, 4.4.2.6	M	☑	
3/4	Connectable Directed Events	[1] 4.4.2.4	O	☑	
3/4a	Low Duty Cycle Direct Advertising	[1] 4.4.2.4	O	☑	
3/5	Scannable Undirected Events	[1] 4.4.2.5	O	☑	
3/6	Sending Scan Responses	[1] 4.4.2.3, 4.4.2.5	C.2	☑	C.2: Mandatory IF GAP 5/3 "Peripheral" is supported, otherwise Optional.
3/7	Accepting Connection Requests	[1] 4.4.2.3, 4.4.2.4	C.2	☑	C.2: Mandatory IF GAP 5/3 "Peripheral" is supported, otherwise Optional.
3/8	Filtering Policies	[1] 4.3.2	O	☑	

Table 4: Protocol Scanning Features

Prerequisite: LL 1/2 "Scanning State"

Item	Capability	Reference	Support	Status	Comment
4/1	Passive Scanning	[1] 4.4.3.1	C.1	☑	C.1: Mandatory IF GAP 5/2 "Observer" is supported, otherwise Optional IF GAP 5/4 "Central" is supported, otherwise Optional.
4/2	Receiving Advertising Data	[1] 4.4.3.1, 4.4.3.2	M	☑	
4/3	Active Scanning	[1] 4.4.3.2	C.2	☑	C.2: Mandatory IF GAP 5/4 "Central" is supported AND LL 4/1 "Passive Scanning" is not supported, otherwise Optional IF (GAP 5/4 "Central" is supported AND LL 4/1 "Passive Scanning" is not supported) OR GAP 5/2 "Observer" is supported, otherwise Optional.
4/4	Backoff Procedure	[1] 4.4.3.2	M	☑	
4/5	Filtering Policies	[1] 4.3.3	M	☑	

Table 5: Protocol Initiating Features

Prerequisite: LL 1/3 "Initiating State"

Item	Capability	Reference	Support	Status	Comment
5/1	Requesting Connections	[1] 4.4.4	M	☑	
5/2	Requesting to Directed Advertising	[1] 4.4.4	M	☑	
5/3	Initiator Filtering	[1] 4.3.4	M	☑	

Table 6: Protocol Peripheral Role Features

Prerequisite: LL 1/4 "Peripheral Role"

Item	Capability	Reference	Support	Status	Comment
6/1	Peripheral Transmissions	[1] 4.5.1, 4.5.5, 4.5.6	M	☑	
6/2	Acknowledgement Scheme	[1] 4.5.9	M	☑	
6/3	Unknown Response	[1] 5.1.4, 2.4.2	M	☑	
6/4	Responding in Feature Setup	[1] 5.1.4.1	M	☑	
6/5	Sending Data (Device supports data output from a Host)	[1] 4.5.1, 4.5.6	M	☑	
6/6	Receiving Data (Device supports data input to a Host)	[1] 4.5.1, 4.5.6	M	☑	
6/7	More Data	[1] 4.5.6	O	☑	
6/10	Accepting Parameter Update	[1] 5.1.1	M	☑	
6/11	Accepting Channel Map Update	[1] 5.1.2	M	☑	
6/12	Encryption Start	[1] 5.1.3	C.17	☑	C.17: Mandatory IF LL 9/1 "LE Encryption" is supported, otherwise Excluded.
6/13	Connection Control Timer	[1] 5.2	M	☑	
6/14	Sending Termination	[1] 5.1.6	M	☑	
6/15	Accepting Termination	[1] 5.1.6	M	☑	
6/16	Connection Supervision Timer	[1] 4.5.2	M	☑	
6/18	Peripheral Pause Encryption	[1] 5.1.3	C.17	☑	C.17: Mandatory IF LL 9/1 "LE Encryption" is supported, otherwise Excluded.
6/19	Peripheral Version Exchange	[1] 5.1.5	M	☑	
6/20	Peripheral listens to multiple packets per connection event	[1] 4.5.7	O	☑	
6/22	Data Length Update Procedure	[4] 5.1.9	C.4	☑	C.4: Mandatory IF LL 9/6 "LE Data Packet Length Extension" is supported, otherwise Excluded.
6/23a	PHY Update procedure	[5] 5.1.10	C.9	☑	C.9: Excluded IF SUMICS 21/14 "Core v4.2" is supported, otherwise Mandatory IF LL 9/6a "Multiple PHYs" is supported, otherwise Optional.

Table 7: Protocol Central Role Features

Prerequisite: LL 1/5 "Central Role"

Item	Capability	Reference	Support	Status	Comment
7/1	Central Transmissions	[1] 4.5.1, 4.5.4, 4.5.6	M	☑	
7/2	Acknowledgement Scheme	[1] 4.5.9	M	☑	
7/3	Unknown Responses	[1] 5.1.4, 2.4.2	M	☑	
7/4	Requesting Feature Setup	[1] 5.1.4.1	M	☑	
7/5	Sending Data (Device supports data output from a Host)	[1] 4.5.1, 4.5.6	M	☑	
7/6	Receiving Data (Device supports data input to a Host)	[1] 4.5.1, 4.5.6	M	☑	
7/7	More Data	[1] 4.5.6	O	☑	
7/10	Requesting Parameter Update	[1] 5.1.1	M	☑	
7/11	Requesting Channel Map Update	[1] 5.1.2	M	☑	
7/12	Encryption Start	[1] 5.1.3	C.17	☑	C.17: Mandatory IF LL 9/1 "LE Encryption" is supported, otherwise Excluded.
7/13	Connection Control Timer	[1] 5.2	M	☑	
7/14	Sending Termination	[1] 5.1.6	M	☑	
7/15	Accepting Termination	[1] 5.1.6	M	☑	
7/16	Connection Supervision Timer	[1] 4.5.2	M	☑	
7/19	Central Pause Encryption	[1] 5.1.3	C.17	☑	C.17: Mandatory IF LL 9/1 "LE Encryption" is supported, otherwise Excluded.
7/20	Central Version Exchange	[1] 5.1.5	M	☑	
7/22	Data Length Update Procedure	[4] 5.1.9	C.4	☑	C.4: Mandatory IF LL 9/6 "LE Data Packet Length Extension" is supported, otherwise Excluded.
7/23a	PHY Update procedure	[5] 5.1.10	C.9	☑	C.9: Excluded IF SUMICS 21/14 "Core v4.2" is supported, otherwise Mandatory IF LL 9/6a "Multiple PHYs" is supported, otherwise Optional.

Table 8: Physical Channels

Item	Capability	Reference	Support	Status	Comment
8/1	Data channels (channel index0 to 36)	[1] 1.4.1	C.1	☑	C.1: Mandatory IF LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role" is supported, otherwise Excluded.
8/2	Advertising channels (at least one of channel index37, 38, 39)	[1] 1.4.1	M	☑	
8/3	Support Data channel selection algorithm	[1] 4.5.8	C.1	☑	C.1: Mandatory IF LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role" is supported, otherwise Excluded.

Table 9: Supported Features

Item	Capability	Reference	Support	Status	Comment
9/1	LE Encryption	[1] 4.6.1	O	☑	
9/6	LE Data Packet Length Extension	[4] 4.6.6	O	☑	
9/6a	Multiple PHYs	[5] 4.6.9	C.6	☑	C.6: Mandatory IF LL 9/7 "LE 2MPHY" OR LL 9/9 "LE Coded PHY" is supported, otherwise Excluded.
9/7	LE 2MPHY	[4] 2.1	C.5	☑	C.5: Excluded IF SUMICS 21/14 "Core v4.2" is supported, otherwise Optional.
9/8	Asymmetric Connections	[5] 4.6.9.1	C.7	☑	C.7: Optional IF LL 9/6a "Multiple PHYs" is supported, otherwise Excluded.

Link Manager

Table 1: Response Messages

Item	Capability	Reference	Support	Status	Comment
1/1	Accept message	[1] 2.7	M	☑	

1/2	Reject message	[1] 2.7	M	☑
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Table 2: Supported Features

Item	Capability	Reference	Support	Status	Comment
2/1	3-slot packets	[1] 3.3, 4.1.10	C.11	☑	C.11: Excluded IF LMP 2/21 "BR/EDR Not Supported" is supported, otherwise Optional.
2/2	5-slot packets	[1] 3.3, 4.1.10	C.11	☑	C.11: Excluded IF LMP 2/21 "BR/EDR Not Supported" is supported, otherwise Optional.
2/3	Encryption	[1] 3.3, 4.2.5	C.4	☑	C.4: Mandatory IF LMP 2/21 "BR/EDR Not Supported" is not supported, otherwise Excluded.
2/4	Slot offset	[1] 3.3, 4.4.1	C.11	☑	C.11: Excluded IF LMP 2/21 "BR/EDR Not Supported" is supported, otherwise Optional.
2/5	Timing accuracy	[1] 3.3, 4.3.1	C.11	☑	C.11: Excluded IF LMP 2/21 "BR/EDR Not Supported" is supported, otherwise Optional.
2/6	Role switch	[1] 3.3, 4.4.2	C.5	☑	C.5: Excluded IF LMP 2/21 "BR/EDR Not Supported" is supported, otherwise Optional IF LMP 2/4 "Slot offset" is supported, otherwise Excluded.
2/10	Power Control	[1] 3.3, 4.1.3, [2] 3	C.1	☑	C.1: Excluded IF LMP 2/21 "BR/EDR Not Supported" is supported, otherwise Mandatory IF RF 1/1 "Power Class 1" is supported, otherwise Optional.
2/11	Channel quality driven data rate	[1] 3.3, 4.1.7	C.11	☑	C.11: Excluded IF LMP 2/21 "BR/EDR Not Supported" is supported, otherwise Optional.
2/12	SCO link	[1] 3.3, 4.6.1	C.11	☑	C.11: Excluded IF LMP 2/21 "BR/EDR Not Supported" is supported, otherwise Optional.
2/13	RSSI	[1] 3.3	C.11	☑	C.11: Excluded IF LMP 2/21 "BR/EDR Not Supported" is supported, otherwise Optional.
2/13a	Power Control Requests	[1] 3.3, 4.1.3	C.11	☑	C.11: Excluded IF LMP 2/21 "BR/EDR Not Supported" is supported, otherwise Optional.
2/14	Broadcast encryption	[1] 3.3, 4.2.5	C.18	☑	C.18: Excluded IF LMP 2/21 "BR/EDR Not Supported" OR LMP 2/28 "Coarse Clock Adjustment" is supported, otherwise Optional.
2/15	eSCO link	[1] 4.6.2	C.11	☑	C.11: Excluded IF LMP 2/21 "BR/EDR Not Supported" is supported, otherwise Optional.
2/17	Enhanced Data Rate ACL (2 Mb/s mode)	[3] 6.5.4, [1] 3.3	C.2	☑	C.2: Excluded IF LMP 2/21 "BR/EDR Not Supported" is supported, otherwise Mandatory IF SUMICS 22/1 "EDR for asynchronous transports (single slot)" OR SUMICS 22/2 "EDR for asynchronous transports (multi-slot)" OR LMP 2/17a "Enhanced Data Rate ACL (3 Mb/s mode)" OR BB 5a/1 "2-DH1 packet type" is supported, otherwise Excluded.
2/17a	Enhanced Data Rate ACL (3 Mb/s mode)	[3] 1, 6.5.4, [1] 3.3	C.19	☑	C.19: Excluded IF LMP 2/21 "BR/EDR Not Supported" is supported, otherwise Mandatory IF BB 5a/4 "3-DH1 packet type" is supported, otherwise Excluded.
2/18	Enhanced Data Rate eSCO (2 Mb/s mode)	[3] 6.5.3, [1] 3.3	C.3	☑	C.3: Excluded IF LMP 2/21 "BR/EDR Not Supported" is supported, otherwise Mandatory IF SUMICS 22/4 "EDR for synchronous transports (Core 3.0 or later)" OR LMP 2/18a "Enhanced Data Rate eSCO (3 Mb/s mode)" OR BB 6a/1 "2-EV3 packet type" is supported, otherwise Excluded.
2/18a	Enhanced Data Rate eSCO (3 Mb/s mode)	[3] 1, 6.5.3, [1] 3.3	C.20	☑	C.20: Excluded IF LMP 2/21 "BR/EDR Not Supported" is supported, otherwise Mandatory IF BB 6a/3 "3-EV3 packet type" is supported, otherwise Excluded.
2/19a	Simple Pairing Updates	[6], [7] 4.2.7.4	C.4	☑	C.4: Mandatory IF LMP 2/21 "BR/EDR Not Supported" is not supported, otherwise Excluded.
2/19b	Secure Simple Pairing (Controller Support)	[1] 4.2.7	C.4	☑	C.4: Mandatory IF LMP 2/21 "BR/EDR Not Supported" is not supported, otherwise Excluded.
2/20	Enhanced Power Control	[1] 3.3, 4.1.3.1	C.6	☑	C.6: Excluded IF LMP 2/21 "BR/EDR Not Supported" is supported, otherwise Optional IF LMP 2/10 "Power Control" AND LMP 2/13a "Power Control Requests" are supported, otherwise Excluded.
2/22	LE Supported (Controller)	[1] 3.3	C.8	☑	C.8: Mandatory IF LMP 2/21 "BR/EDR Not Supported" is supported, otherwise Optional.
2/23	LE and BR/EDR to same device capable (Controller)	[1] 3.3	C.12	☑	C.12: Optional IF LMP 2/22 "LE Supported (Controller)" is supported AND LMP 2/21 "BR/EDR Not Supported" is not supported, otherwise Excluded.

Table 3: Authentication

Item	Capability	Reference	Support	Status	Comment
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3/1	Initiate authentication before connection completed	[1] 4.2.1	O	☑
3/2	Initiate authentication after connection completed	[1] 4.2.1	O	☑
3/3	Respond to authentication request	[1] 4.2.1	M	☑

Table 4: Pairing

Item	Capability	Reference	Support	Status	Comment
4/1	Initiate pairing before connection completed	[1] 4.4.2	O	☑	
4/2	Initiate pairing after connection completed	[1] 4.4.2	O	☑	
4/3	Respond to pairing request	[1] 4.2.2.1, 4.2.2.3	M	☑	
4/4	Use fixed PIN and request responder to initiator switch	[1] 4.2.2.2	C.1	☑	C.1: Mandatory to support at least one of LMP 4/4 "Use fixed PIN and request responder to initiator switch" OR LMP 4/5 "Use variable PIN".
4/5	Use variable PIN	[1] 4.2.2.2	C.1	☑	C.1: Mandatory to support at least one of LMP 4/4 "Use fixed PIN and request responder to initiator switch" OR LMP 4/5 "Use variable PIN".
4/6	Accept initiator to responder switch	[1] 4.2.2.2	C.2	☑	C.2: Mandatory IF LMP 4/5 "Use variable PIN" AND (LMP 4/1 "Initiate pairing before connection completed" OR LMP 4/2 "Initiate pairing after connection completed") are supported.
4/7	TSPC_Change_of_IO_Capabilities	[1] 4.2.7.3.4	M	☑	

Table 5: Link Keys

Item	Capability	Reference	Support	Status	Comment
5/2	Creation of link key - Combination Key	[1] 4.2.2.4	M	☑	
5/3	Initiate change of link key	[1] 4.2.3	O	☑	
5/4	Accept change of link key	[1] 4.2.3	M	☑	

Table 6: Encryption

Prerequisite: LMP 2/3 "Encryption"

Item	Capability	Reference	Support	Status	Comment
6/1	Initiate encryption	[1] 4.2.5.1	M	☑	
6/2	Accept encryption requests	[1] 4.2.5.1	M	☑	
6/5	Key size negotiation	[1] 4.2.5.2	M	☑	
6/6	Start encryption, as Central	[1] 4.2.5.3	M	☑	
6/7	Accept start of encryption	[1] 4.2.5.3	M	☑	
6/8	Stop encryption, as Central	[1] 4.2.5.4	M	☑	
6/9	Accept stop of encryption	[1] 4.2.5.4	M	☑	
6/10	Encryption Pause/Resume	[1] 4.2.5.3	M	☑	

Table 7: Clock Offset Information

Item	Capability	Reference	Support	Status	Comment
7/1	Request clock offset information	[1] 4.3.2	O	☑	
7/2	Respond to clock offset requests	[1] 4.3.2	M	☑	

Table 8: Slot Offset Information

Prerequisite: LMP 2/4 "Slot offset"

Item	Capability	Reference	Support	Status	Comment
8/1	Send slot offset information	[1] 4.4.1	C.1	☑	C.1: Mandatory IF LMP 13/1 "Request role switch" is supported, otherwise Optional.

Table 9: Timing Accuracy Information

Prerequisite: LMP 2/5 "Timing accuracy"

Item	Capability	Reference	Support	Status	Comment
9/1	Request timing accuracy information	[1] 4.3.1	O	☑	
9/2	Respond to timing accuracy information requests	[1] 4.3.1	M	☑	

Table 10: LM Version Information

Item	Capability	Reference	Support	Status	Comment
10/1	Request LM version information	[1] 4.3.3	O	☑	
10/2	Respond to LM version information requests	[1] 4.3.3	M	☑	

Table 11: Feature Support

Item	Capability	Reference	Support	Status	Comment
11/1	Request supported features	[1] 4.3.4	M	☑	
11/2	Respond to supported features requests	[1] 4.3.4	M	☑	
11/4	Respond to extended features Request	[1] 4.3.4	C.2	☑	C.2: Mandatory IF a feature requiring another features page (a feature with an LMP feature number greater than 63 in Table 3.1: Mapping of LMP Feature Bits to ICS Items) is supported, otherwise Optional.

Table 12: Name Information

Item	Capability	Reference	Support	Status	Comment
12/1	Request name information	[1] 4.3.5	M	☑	
12/2	Respond to name requests	[1] 4.3.5	M	☑	

Table 13: Role Switch

Prerequisite: LMP 2/6 "Role switch"

Item	Capability	Reference	Support	Status	Comment
13/1	Request role switch	[1] 4.4.2	O	☑	
13/2	Accept role switch requests	[1] 4.4.2	M	☑	

Table 14: Detach

Item	Capability	Reference	Support	Status	Comment
14/1	Detach connection	[1] 4.1.2	M	☑	

Table 14a: Setting up and Removing Enhanced Data Rate ACL Connection

Item	Capability	Reference	Support	Status	Comment
14a/1	Enter Enhanced Data Rate	[1] 4.1.11	C.1	☑	C.1: Mandatory IF LMP 2/17 "Enhanced Data Rate ACL (2 Mb/s mode)" is supported, otherwise Excluded.
14a/2	Exit Enhanced Data Rate	[1] 4.1.11	C.1	☑	C.1: Mandatory IF LMP 2/17 "Enhanced Data Rate ACL (2 Mb/s mode)" is supported, otherwise Excluded.

Table 14b: Setting up and Removing Enhanced Data Rate eSCO Connection

Item	Capability	Reference	Support	Status	Comment
14b/1	Enter and exit eSCO using Enhanced Data	[1] 4.6.2	C.1	☑	C.1: Mandatory IF LMP 2/18 "Enhanced Data Rate eSCO (2 Mb/s mode)" is

Table 15: Hold Mode

Prerequisite: LMP 2/7 "Hold mode"

Item	Capability	Reference	Support	Status	Comment
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Table 16: Sniff Mode

Prerequisite: LMP 2/8 "Sniff mode"

Item	Capability	Reference	Support	Status	Comment
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Table 18: Power Control

Item	Capability	Reference	Support	Status	Comment
18/1	Request to Increase Power	[1] 4.1.3	C.1	☑	C.1: Mandatory IF LMP 2/13a "Power Control Requests" is supported, otherwise Excluded.
18/2	Request to Decrease Power	[1] 4.1.3	C.1	☑	C.1: Mandatory IF LMP 2/13a "Power Control Requests" is supported, otherwise Excluded.
18/3	Respond when max power reached	[1] 4.1.3	C.2	☑	C.2: Mandatory IF LMP 2/10 "Power Control" is supported, otherwise Excluded.
18/4	Respond when min power reached	[1] 4.1.3	C.2	☑	C.2: Mandatory IF LMP 2/10 "Power Control" is supported, otherwise Excluded.
18/5	Request to increment power a single step	[1] 4.1.3.1.1	C.3	☑	C.3: Mandatory IF LMP 2/20 "Enhanced Power Control" is supported, otherwise Excluded.
18/6	Request to decrease power a single step	[1] 4.1.3.1.1	C.3	☑	C.3: Mandatory IF LMP 2/20 "Enhanced Power Control" is supported, otherwise Excluded.
18/7	Request to go to max power	[1] 4.1.3.1.1	C.3	☑	C.3: Mandatory IF LMP 2/20 "Enhanced Power Control" is supported, otherwise Excluded.
18/8	Respond to increment power a single step	[1] 4.1.3.1.2	C.3	☑	C.3: Mandatory IF LMP 2/20 "Enhanced Power Control" is supported, otherwise Excluded.
18/9	Respond to decrease power a single step	[1] 4.1.3.1.2	C.3	☑	C.3: Mandatory IF LMP 2/20 "Enhanced Power Control" is supported, otherwise Excluded.
18/10	Respond to go to max power	[1] 4.1.3.1.2	C.3	☑	C.3: Mandatory IF LMP 2/20 "Enhanced Power Control" is supported, otherwise Excluded.

Table 19: Link Supervision Timeout

Item	Capability	Reference	Support	Status	Comment
19/1	Set link supervision timeout value	[1] 4.1.6	O	☑	
19/2	Accept link supervision timeout setting	[1] 4.1.6	M	☑	

Table 20: Quality of Service

Item	Capability	Reference	Support	Status	Comment
20/1	Channel quality driven change between DM and DH packet types	[1] 4.1.7	C.1	☑	C.1: Mandatory IF LMP 2/11 "Channel quality driven data rate" is supported, otherwise Optional.
20/2	Force/Request change of Quality of Service	[1] 4.1.8, 4.1.8.1	M	☑	
20/3	Request change of Quality of Service	[1] 4.1.8, 4.1.8.2	M	☑	

Table 21: SCO Links

Prerequisite: LMP 2/12 "SCO link"

Item	Capability	Reference	Support	Status	Comment
21/1	Initiate SCO links, as Central	[1] 4.6.1, 4.6.1.1	O	☑	
21/2	Initiate SCO links, as Peripheral	[1] 4.6.1, 4.6.1.2	O	☑	
21/3	Accept SCO links	[1] 4.6.1, 4.6.1.1, 4.6.1.2	O	☑	

21/4	Remove SCO links, as Central	[1] 4.6.1, 4.6.1.5	C.1	✓	C.1: Mandatory IF LMP 21/1 "Initiate SCO links, as Central" is supported, otherwise Optional.
21/5	Remove SCO links, as Peripheral	[1] 4.6.1, 4.6.1.5	C.2	✓	C.2: Mandatory IF LMP 21/2 "Initiate SCO links, as Peripheral" is supported, otherwise Optional.
21/6	Negotiate SCO link parameters, as Central	[1] 4.6.1, 4.6.1.3	C.3	✓	C.3: Mandatory IF LMP 21/1 "Initiate SCO links, as Central" OR LMP 21/3 "Accept SCO links" is supported, otherwise Optional.
21/7	Negotiate SCO link parameters, as Peripheral	[1] 4.6.1, 4.6.1.4	C.4	✓	C.4: Mandatory IF LMP 21/2 "Initiate SCO links, as Peripheral" OR LMP 21/3 "Accept SCO links" is supported, otherwise Optional.

Table 22: Multi-Slot Packets

Item	Capability	Reference	Support	Status	Comment
22/1	Accept maximum allowed number of slots to be used	[1] 4.1.10	C.1	✓	C.1: Mandatory IF LMP 2/1 "3-slot packets" OR LMP 2/2 "5-slot packets" are supported, otherwise Optional.
22/2	Request maximum number of slots to be used	[1] 4.1.10	C.1	✓	C.1: Mandatory IF LMP 2/1 "3-slot packets" OR LMP 2/2 "5-slot packets" are supported, otherwise Optional.
22/3	Accept request of maximum number of slots to be used	[1] 4.1.10	C.1	✓	C.1: Mandatory IF LMP 2/1 "3-slot packets" OR LMP 2/2 "5-slot packets" are supported, otherwise Optional.

Table 23: Paging Scheme

Prerequisite: LMP 2/30 "Paging Parameter Negotiation"

Item	Capability	Reference	Support	Status	Comment
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Table 24: Connection Establishment

Item	Capability	Reference	Support	Status	Comment
24/1	Create connection for higher layers	[1] 4.1.1	M	✓	
24/2	Respond to requests to establish connections for higher layers	[1] 4.1.1	M	✓	
24/3	Indicate that link set-up is completed	[1] 4.1.1	M	✓	

Table 25: Test Mode

Item	Capability	Reference	Support	Status	Comment
25/1	Activate test mode	[1] 4.7.1	O	✓	
25/2	Ability to reject activation of test mode if test mode is disabled	[1] 4.7.1	M	✓	
25/3	Control test mode	[1] 4.7.2	O	✓	
25/4	Ability to reject test mode control commands if test mode is disabled	[1] 4.7.2	M	✓	

Table 26: Adaptive Frequency Hopping

Item	Capability	Reference	Support	Status	Comment
26/1	Support of AFH switch as Central	[1] 4.1.4	O	✓	
26/2	Support of AFH switch as Peripheral	[1] 4.1.4	O	✓	
26/4	Support of Channel Classification reporting as Peripheral	[1] 4.1.5	C.2	✓	C.2: Optional IF LMP 26/2 "Support of AFH switch as Peripheral" is supported, otherwise Excluded.
26/5	Support channel classification from host	[1] 4.1.5	C.3	✓	C.3: Mandatory IF LMP 26/1 "Support of AFH switch as Central" OR LMP 26/4 "Support of Channel Classification reporting as Peripheral" is supported, otherwise Optional.
26/6	Support of Channel Classification	[1] 4.1.5	O	✓	

Table 27: Ping

Prerequisite: LMP 2/27 "Ping"

Item	Capability	Reference	Support	Status	Comment
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Table 28: Coarse Clock Adjustment

Prerequisite: LMP 2/28 "Coarse Clock Adjustment"

Item	Capability	Reference	Support	Status	Comment
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Table 29: Slot Availability Mask

Prerequisite: LMP 2/29 "Slot Availability Mask"

Item	Capability	Reference	Support	Status	Comment
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Radio

Table 1: RF Capabilities

Item	Capability	Reference	Support	Status	Comment
1/1	Power Class 1	[1] 3	C.5	☑	C.5: At least one of RF 1/1 “Power Class 1” OR RF 1/2 “Power Class 2” OR 1/3 “Power Class 3” shall be supported.
1/4	Power Control	[1] 3	C.1	☑	C.1: Mandatory IF RF 1/1 “Power Class 1” is supported; Optional IF RF 1/2 “Power Class 2” OR RF 1/3 “Power Class 3” is supported, otherwise Excluded.
1/5	1-slot packets supported	[2] 6.5	M	☑	
1/6	3-slot packets supported	[2] 6.5	O	☑	
1/7	5-slot packets supported	[2] 6.5	O	☑	
1/8	79 Channels	[1] 2	M	☑	
1/9	Support for GFSK modulation	[1] 3.1	M	☑	
1/10	Support for pi/4-DQPSK modulation	[1] 3.2	C.2	☑	C.2: Mandatory IF (SUMICS 22/1 “EDR for asynchronous transports (single slot)” OR SUMICS 22/2 “EDR for asynchronous transports (multi-slot)” OR SUMICS 22/3 “EDR for synchronous transports” OR SUMICS 22/4 “EDR for synchronous transports”) is supported, otherwise Excluded.
1/11	Support for 8DPSK modulation	[1] 3.2	C.3	☑	C.3: Mandatory IF (SUMICS 22/1 “EDR for asynchronous transports (single slot)” OR SUMICS 22/2 “EDR for asynchronous transports (multi-slot)” OR SUMICS 22/3 “EDR for synchronous transports”) is supported; Optional IF (SUMICS 22/4 “EDR for synchronous transports”) is supported, otherwise Excluded.
1/12	Enhanced Power Control	[1] 3	C.4	☑	C.4: Optional IF SUM_ICS, 21/8 “Core Specification 3.0” or later AND RF 1/4 “Power Control” is supported, otherwise Excluded.

RFCOMM

Table 0: Protocol Versions

Item	Capability	Reference	Support	Status	Comment
0/2	RFCOMM 1.2 with TS 07.10	RFCOMM 1.2	C.1	☑	C.1: Mandatory to support one and only one of the protocol versions.

Table 1: Supported Procedures

Item	Capability	Reference	Support	Status	Comment
1/1	Initialize RFCOMMsession	[1] 5.2.1	C.5	☑	C.5: Mandatory to support at least one of RFCOMM 1/1 “Initialize RFCOMMSession” OR RFCOMM 1/2 “Respond to Initialization of an RFCOMMSession”.
1/2	Respond to initialisation of an RFCOMMsession	[1] 5.2.1	C.5	☑	C.5: Mandatory to support at least one of RFCOMM 1/1 “Initialize RFCOMMSession” OR RFCOMM 1/2 “Respond to Initialization of an RFCOMMSession”.
1/3	Shutdown RFCOMMsession	[1] 5.2.2	M	☑	
1/4	Respond to a shutdown for an RFCOMMsession	[1] 5.2.2	M	☑	

1/5	Establish DLC	[1] 5.2.1	C.2	☑	C.2: Mandatory IF RFCOMM 1/1 "Initialize RFCOMM Session" is supported, otherwise Excluded.
1/6	Respond to establishment of a DLC	[1] 5.2.1	C.1	☑	C.1: Mandatory IF RFCOMM 1/2 "Respond to Initialization of an RFCOMM Session" is supported, otherwise Excluded.
1/7	Disconnect DLC	[1] 5.2	M	☑	
1/8	Respond to disconnection of a DLC	[1] 5.2	M	☑	
1/9	Respond to and send MSC command	[1] 2.2	M	☑	
1/10	Initiate Transfer Information	[1] 5.1	M	☑	
1/11	Respond to Test command	[1] 4.3	M	☑	
1/12	Send Test command	[1] 4.3	O	☑	
1/13	React to aggregate flow control	[1] 6.3	M	☑	
1/14	Respond to RLS command	[1] 5.5.2	M	☑	
1/15	Send RLS command	[1] 5.5.2	O	☑	
1/16	Respond to PN command	[1] 5.5.3	M	☑	
1/17	Send PN command	[1] 5.5.3	C.3	☑	C.3: Mandatory IF RFCOMM 1/1 "Initialize RFCOMM Session" is supported, otherwise Optional.
1/18	Send Non-Supported Command (NSC) response	[1] 4.3	C.4	☑	C.4: Mandatory to support IF 0/2 "RFCOMM 1.2" is supported, otherwise Optional.
1/19	Respond to RPN command	[1] 5.5.1	M	☑	
1/20	Send RPN command	[1] 5.5.1	O	☑	
1/21	Closing multiplexer by first sending a DISC command	[1] 5.2.2	O	☑	
1/22	Support of Credit Based Flow Control	[1] 6.5	M	☑	

Low Energy RF PHY

Table 1: Bluetooth LE RF Capabilities

Item	Capability	Reference	Support	Status	Comment
1/3	LE Transceiver	[1] 3, 4	C.1	☑	C.1: Mandatory to support at least one of RFPHY 1/1 "LE Transmitter" OR RFPHY 1/2 "LE Receiver" OR RFPHY 1/3 "LE Transceiver". Note: Selecting both RFPHY 1/1 "LE Transmitter" and RFPHY 1/2 "LE Receiver" is equivalent to selecting RFPHY 1/3 "LE Transceiver" and vice versa.
1/4	LE 2MPHY	[3] 3, 4	C.2	☑	C.2: Excluded IF SUMICS 21/14 "Core v4.2" is supported, otherwise Optional.
1/5	Stable Modulation Index - Transmitter	[3] 3.1.1	C.3	☑	C.3: Excluded IF SUMICS 21/14 "Core v4.2" is supported, otherwise Optional IF RFPHY 1/1 "LE Transmitter" OR RFPHY 1/3 "LE Transceiver" is supported, otherwise Excluded.
1/6	Stable Modulation Index - Receiver	[3] 3.1.1	C.4	☑	C.4: Excluded IF SUMICS 21/14 "Core v4.2" is supported, otherwise Optional IF RFPHY 1/2 "LE Receiver" OR RFPHY 1/3 "LE Transceiver" is supported, otherwise Excluded.
1/7	LE Coded PHY	[3] 3, 4	C.2	☑	C.2: Excluded IF SUMICS 21/14 "Core v4.2" is supported, otherwise Optional.

Table 2: Bluetooth LE Test Interface Capabilities

Item	Capability	Reference	Support	Status	Comment
2/1	HCI Test Interface	[2] 2	C.1	☑	C.1: Mandatory to support at least one of RFPHY 2/1 "HCI Test Interface" OR RFPHY 2/2 "UART Test Interface".
2/2	UART Test Interface	[2] 3	C.1	☑	C.1: Mandatory to support at least one of RFPHY 2/1 "HCI Test Interface" OR RFPHY 2/2 "UART Test Interface".

Service Discovery Protocol

Table 1: Support Different Size Capabilities on UUID

Item	Capability	Reference	Support	Status	Comment
1/1	Support for 128 bit UUID	[1] 2.7.1	M	☑	
1/2	Support for 32 bit UUID	[1] 2.7.1	M	☑	
1/3	Support for 16 bit UUID	[1] 2.7.1	M	☑	

Table 1b: Roles

Item	Capability	Reference	Support	Status	Comment
1b/1	Support for Server role	[1] 2.1	C.1	☑	C.1: Mandatory to support at least one of the defined roles.
1b/2	Support for Client role	[1] 2.1	C.1	☑	C.1: Mandatory to support at least one of the defined roles.

Table 2: Valid Service Search Request

Item	Capability	Reference	Support	Status	Comment
2/1	Support for respond on search of single Service, using ServiceSearchRequest.	[1] 4.5	C.2	☑	C.2: Mandatory to support IF SDP 1b/1 "Server role" is supported.
2/2	Support for respond on search of Service, using continuation state	[1] 4.5	O	☑	
2/3	Search for services using the continuation state.	[1] 4.3	C.1	☑	C.1: Mandatory to support IF SDP 1b/2 "Client role" is supported.

Table 3: Invalid Service Search Request

Item	Capability	Reference	Support	Status	Comment
3/1	Support for error response on Service search request.	[1] 4.4	M	☑	

Table 4: Valid Service Attribute Request

Item	Capability	Reference	Support	Status	Comment
4/1	Support for respond on search of Attribute(s)	[1] 4.6	M	☑	
4/2	Support for respond on search of Attribute, using continuation state.	[1] 4.6	O	☑	
4/3	Support for respond on search on attribute AdditionalProtocolDescriptorList	[1] 4.5, 5.1.6	O	☑	

Table 5: Invalid Service Attribute Request

Item	Capability	Reference	Support	Status	Comment
5/1	Support for error response on Attribute search request.	[1] 4.4	M	☑	

Table 6: Valid Service Search Attribute Request

Item	Capability	Reference	Support	Status	Comment
6/1	Support for respond on search for Service(s) and Attribute(s)	[1] 4.7	M	☑	
6/2	Support for respond on search of Attribute, using continuation state.	[1] 4.7	O	☑	
6/3	Support for respond on search on attribute AdditionalProtocolDescriptorList on existing service	[1] 4.7, 5.1.6	O	☑	

Table 7: Invalid Service Search Attribute Request

Item	Capability	Reference	Support	Status	Comment
7/1	Support for error response on Service and Attribute request.	[1] 4.4	M	☑	

Table 8: Service Browsing

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

Item	Capability	Reference	Support	Status	Comment
9/2	ProtocolDescriptorList	[5] 5.1.5	O	☑	
9/5	BrowseGroupList	[5] 5.1.7	O	☑	
9/6	LanguageBaseAttributedIdList	[5] 5.1.8	O	☑	
9/9	ServiceName	[5] 5.1.15	O	☑	
9/10	ServiceDescription	[5] 5.1.16	O	☑	
9/12	VersionNumberList	[5] 5.2.3	O	☑	
9/14	BluetoothProfileDescriptorList	[5] 5.1.11	O	☑	
9/17	AdditionalProtocolDescriptorList	[5] 5.1.6	C.1	☑	C.1: Optional IF SDP 9/2 "ProtocolDescriptorList" is supported, otherwise Excluded.
9/18	ServiceRecordHandle	[5] 5.1.1	M	☑	
9/19	ServiceClassIDList	[5] 5.1.2	M	☑	

Security Manager Protocol

Table 1: Role

Item	Capability	Reference	Support	Status	Comment
1/1	Central Role (Initiator)	[1] 2.4	C.1	☑	C.1: Mandatory IF SM 1/2 "Peripheral Role (Responder)" is not supported, otherwise Optional.
1/2	Peripheral Role (Responder)	[1] 2.4	C.2	☑	C.2: Optional IF GAP 5/3 "Peripheral (LE-Only)" OR GAP 38/3 "Peripheral (BR/EDR/LE)" are supported, otherwise Excluded.

Table 2: Security Properties

Item	Capability	Reference	Support	Status	Comment
2/1	Authenticated MITMprotection	[1] 2.3.1	O	☑	
2/2	Unauthenticated no MITM protection	[1] 2.3.1	C.1	☑	C.1: Mandatory IF SM2/1 "Authenticated MITMprotection" is supported, otherwise Optional.
2/3	No security requirements	[1] 2.3.1	M	☑	

Table 3: Encryption Key Size

Prerequisite: SM 2/1 "Authenticated MITM protection" OR SM 2/2 "Unauthenticated no MITM protection" OR SM 2/4 "OOB supported"

Item	Capability	Reference	Support	Status	Comment
3/1	Encryption Key Size	[1] 2.3.4	M	☑	

Table 4: Pairing Method

Item	Capability	Reference	Support	Status	Comment
4/1	Just Works	[1] 2.3.5	O	☑	
4/2	Passkey Entry	[1] 2.3.5	C.1	☑	C.1: Mandatory to support at least one of the defined methods IF SM2/1 "Authenticated MITMprotection" is supported, otherwise Excluded.

Table 5: Security Initiation

Item	Capability	Reference	Support	Status	Comment
5/1	Encryption Setup using STK	[1] 2.4	C.3	☑	C.3: Mandatory IF SM2/1 "Authenticated MITMprotection" OR SM2/2 "Unauthenticated no MITMprotection" OR SM2/4 "OOB supported" is supported, otherwise Excluded.
5/2	Encryption Setup using LTK	[1] 2.4	O	☑	

5/3	Peripheral Initiated Security	[1] 2.4.6	C.1	☑	C.1: Optional IF SM 1/2 “Peripheral Role (Responder)” is supported, otherwise Excluded.
5/4	Peripheral Initiated Security – Central response	[1] 2.4.6	C.2	☑	C.2: Mandatory IF SM 1/1 “Central Role (Initiator)” is supported, otherwise Excluded.

Table 6: Signing Algorithm

Item	Capability	Reference	Support	Status	Comment
6/1	Signing Algorithm - Generation	[1] 2.4	O	☑	
6/2	Signing Algorithm - Resolving	[1] 2.4	O	☑	

Table 7: Key Distribution

Item	Capability	Reference	Support	Status	Comment
7/1	Encryption Key	[2] 9.4.3	C.1	☑	C.1: Mandatory IF GAP 24/2 “Bondable mode” OR GAP 34/2 “Bondable mode” is supported, otherwise Optional.
7/2	Identity Key	[2] 10.7	C.2	☑	C.2: Mandatory IF GAP 26/3 “Resolvable private address generation procedure” is supported, otherwise Optional.
7/3	Signing Key	[2] 10.4	C.3	☑	C.3: Mandatory IF GAP 25/6 “Authenticate signed data procedure” OR GAP 35/6 “Authenticate signed data procedure” is supported, otherwise Optional.

Table 8: Cross-Transport Key Derivation

Item	Capability	Reference	Support	Status	Comment
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Serial Port Profile

Table 0: Profile Version

Item	Capability	Reference	Support	Status	Comment
0/2	SPP v1.2	SPP v1.2	C.1	☑	C.1: Mandatory to support only one Profile version.

Table 1: Device Role

Item	Capability	Reference	Support	Status	Comment
1/1	Device A (DevA)	SPP, 2.2	C.1	☑	C.1: Mandatory to support at least one of the defined roles.
1/2	Device B (DevB)	[1] 2.2	C.1	☑	C.1: Mandatory to support at least one of the defined roles.

Table 2: Support of Serial Profile Service

Item	Capability	Reference	Support	Status	Comment
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Table 3: Application procedures

Item	Capability	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
3/4	No release in Sniff mode. Sniff mode enabled in the Link Manager	SPP, 3.2	O	☑	
3/7	No release after Master/Slave switch. MS switch enabled in the Link Manager	SPP, 2.4	O	☑	

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

Item	Capability	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	Reference	Support	Status	Comment
5/1	Initiate Encryption	SPP, 2.4	O	☑	
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	☑	