



## Project Details

Project Name	Headset
Product Type	End Product
TCRL Version:	TCRL 2023-1
Referenced Qualified Design(s)	
Previously Qualified Design Used in this Qualification(s)	181664 192066
Listing Date	2024-02-23
Declaration ID	D067768

## Product Listing(s)

Name	Website	Category	Publish Date	Model Number	Description
Navibook Headset		Headset	2/23/2024 12:00:00 AM	NB200	Headset

## Member Company

Shenzhen Navibook Intelligence Technology Co.,Ltd

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## Complete the Project and Submit Product(s) for Qualification

By typing my name or other symbol of my signature into the "Signature" field below, I agree on behalf of Shenzhen Navibook Intelligence Technology 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.
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**Signature:**

Yi Ren

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Last Updated: November 15th, 2022.

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- (b) contains one or more Portions; and
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## Appendix A

### Summary ICS

**Table 21: Controller Core Specification Version**

Item	Capability	Reference	Support	Status	Comment
21/21	Core Specification Version 5.3. Adopted 06 July 2021	Core 5.3	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" OR SUMICS 21/22 "Core v5.4".

**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 IF SUMICS 41/1 "Core v3.0+HS or later", 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 IF SUMICS 41/1 "Core v3.0+HS or later", 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 IF SUMICS 41/1 "Core v3.0+HS or later", otherwise Optional.

**Table 31: Host Core Specification Version**

Item	Capability	Reference	Support	Status	Comment
31/22	Core Specification Version 5.3. Adopted 06 July 2021	Core 5.3	C.1	☑	C.1: Mandatory to support one and only one.

**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 "LE Controller" OR PROD 2/5 "BR/EDR/LE Combined Controller" OR PROD 2/6 "BR/EDR/HS/LE Combined Controller", otherwise Excluded.

**Table 52: Low Energy Host Core Specification**

Item	Capability	Reference	Support	Status	Comment
52/1	Low Energy Host	Core 4.0 or Later	C.1	☑	C.1: Mandatory IF PROD 3/3 "LE Host" OR PROD 3/4 "BR/LE Host" OR PROD 3/5 "BR/HS/LE Host", otherwise Excluded.

### Product Type

**Table 1: Product Types**

Item	Capability	Reference	Support	Status	Comment
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**Table 2: Controller Core Configuration**

Item	Capability	Reference	Support	Status	Comment
2/5	BR/EDR/LE Combined Controller	Vol. 0 Part B	C.1	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	C.1: Mandatory to support only one Host Configuration. Optional if 1/2 or 1/3 is Supported.

**4.0 Host Controller Interface**

**Table 1a: IUT Configuration**

Item	Capability	Reference	Support	Status	Comment
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**Table 1:**

Item	Capability	Reference	Support	Status	Comment
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**Table 2:**

Item	Capability	Reference	Support	Status	Comment
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**Table 3:**

Item	Capability	Reference	Support	Status	Comment
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**Table 4:**

Item	Capability	Reference	Support	Status	Comment
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**Table 5:**

Item	Capability	Reference	Support	Status	Comment
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**Table 6:**

Item	Capability	Reference	Support	Status	Comment
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**Table 7:**

Item	Capability	Reference	Support	Status	Comment
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**Table 8:**

Item	Capability	Reference	Support	Status	Comment
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**Table 10:**

Item	Capability	Reference	Support	Status	Comment
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Table 13:

Item	Capability	Reference	Support	Status	Comment
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Table 14:

Item	Capability	Reference	Support	Status	Comment
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Table 15:

Item	Capability	Reference	Support	Status	Comment
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Table 16:

Item	Capability	Reference	Support	Status	Comment
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Table 17:

Item	Capability	Reference	Support	Status	Comment
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Table 20:

Item	Capability	Reference	Support	Status	Comment
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### Advanced Audio Distribution Profile

Table 2a: A2DP SRC X.Y Versions

Prerequisite: A2DP 1/1 "Source"

Item	Capability	Reference	Support	Status	Comment
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Table 2b: A2DP SRC X.Y.Z Versions

Prerequisite: A2DP 1/1 "Source"

Item	Capability	Reference	Support	Status	Comment
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Table 7a: A2DP SNK X.Y Versions

Prerequisite: A2DP 1/2 "Sink"

Item	Capability	Reference	Support	Status	Comment
7a/3	A2DP 1.3	A2DP 1.3	C.1, C.2	<input checked="" type="checkbox"/>	C.1: Mandatory to support one and only one. C.2: Can only be supported with an active XYZ version after Deprecation. Deprecated 2021-02-01; Withdrawn 2024-02-01.

Table 7b: A2DP SNK X.Y.Z Versions

Prerequisite: A2DP 1/2 "Sink"

Item	Capability	Reference	Support	Status	Comment
7b/2	A2DP 1.3.2	A2DP 1.3.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF A2DP 7a/3 "A2DP 1.3", otherwise Excluded.

Table 1: Role Requirements

Item	Capability	Reference	Support	Status	Comment
1/2	Sink	[1]2.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one.

Table 2: A2DP SRC Features

Prerequisite: A2DP 1/1 "Source"

Item	Capability	Reference	Support	Status	Comment
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**Table 3: Supported Codec Interoperability Requirements in SRC**

Prerequisite: A2DP 1/1 "Source"

Item	Capability	Reference	Support	Status	Comment
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**Table 3a: Supported Codec Feature Interoperability Requirements in SRC**

Prerequisite: A2DP 3/1 "SBC encoder"

Item	Capability	Reference	Support	Status	Comment
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**Table 3g: Supported MPEG-2,4 AAC Object Type Interoperability Requirements in SRC**

Prerequisite: A2DP 3/6 "Encode and forward MPEG-2,4 AAC Audio Stream"

Item	Capability	Reference	Support	Status	Comment
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**Table 3h: Supported MPEG-2,4 AAC Channel Interoperability Requirements in SRC**

Prerequisite: A2DP 3/6 "Encode and forward MPEG-2,4 AAC Audio Stream"

Item	Capability	Reference	Support	Status	Comment
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**Table 3i: Supported MPEG-2,4 AAC Sampling Frequency Interoperability Requirements in SRC**

Prerequisite: A2DP 3/6 "Encode and forward MPEG-2,4 AAC Audio Stream"

Item	Capability	Reference	Support	Status	Comment
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**Table 3j: Supported MPEG-2,4 AAC Feature Interoperability Requirements in SRC**

Prerequisite: A2DP 3/6 "Encode and forward MPEG-2,4 AAC Audio Stream"

Item	Capability	Reference	Support	Status	Comment
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**Table 3k: Supported MPEG-D USAC Channel Interoperability Requirements in SRC**

Prerequisite: A2DP 3/10 "Encode and forward MPEG-D USAC Audio Stream"

Item	Capability	Reference	Support	Status	Comment
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**Table 3l: Supported MPEG-D USAC Sampling Frequency Interoperability Requirements in SRC**

Prerequisite: A2DP 3/10 "Encode and forward MPEG-D USAC Audio Stream"

Item	Capability	Reference	Support	Status	Comment
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**Table 3m: Supported MPEG-D USAC Feature Interoperability Requirements in SRC**

Prerequisite: A2DP 3/10 "Encode and forward MPEG-D USAC Audio Stream"

Item	Capability	Reference	Support	Status	Comment
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**Table 8: SDP Attributes (Source)**

Prerequisite: A2DP 1/1 "Source"

Item	Capability	Reference	Support	Status	Comment
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**Table 9: GAVDP Roles (Source)**

Prerequisite: A2DP 1/1 "Source"

Item	Capability	Reference	Support	Status	Comment
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**Table 11a: AVDTP Capabilities (Initiator, Source)**

Prerequisite: A2DP 1/1 "Source"

Item	Capability	Reference	Support	Status	Comment
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**Table 11b: AVDTP Capabilities (Acceptor, Source)**

Prerequisite: A2DP 1/1 "Source"

Item	Capability	Reference	Support	Status	Comment
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**Table 4: A2DP SNK Features**

Prerequisite: A2DP 1/2 "Sink"

Item	Capability	Reference	Support	Status	Comment
4/1	Initiate Connection Establishment	[2] 3.1.1	O	☑	
4/2	Accept Connection Establishment	[2] 3.1.1	M	☑	
4/4	Accept Start Streaming	[2] 3.1.2	M	☑	
4/5	Receive Audio Stream	[1] 3.2.1	M	☑	
4/6	Initiate Connection Release	[2] 3.1.3	O	☑	
4/7	Accept Connection Release	[2] 3.1.3	M	☑	
4/10	SBC Decoder	[1] 4.3	M	☑	
4/13	SBC Configurations in 44.1 kHz sampling frequency	[1] 4.3.2.1	M	☑	
4/14	SBC Configurations in 48 kHz sampling frequency	[1] 4.3.2.1	M	☑	
4/15	Delay Reporting	[1] 5.1.1.2, [2] 3.1.8	C.1	☑	C.1: Excluded IF A2DP 7a/2 "A2DP.1.2", otherwise Mandatory.

**Table 5: Supported Codec Interoperability Requirements in SNK**

Prerequisite: A2DP 1/2 "Sink"

Item	Capability	Reference	Support	Status	Comment
5/1	SBC Decoder	[1] 4.3 & Appendix B, [3] 3.2.4	M	☑	
5/4	MPEG-2,4 AAC decoder	[1] 4.5	O	☑	

**Table 5a: Supported Codec Feature Interoperability Requirements in SNK**

Prerequisite: A2DP 5/1 "SBC Decoder"

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

**Table 5g: Supported MPEG-2,4 AAC Object Type Interoperability Requirements in SNK**

Prerequisite: A2DP 5/4 "MPEG-2,4 AAC decoder"

Item	Capability	Reference	Support	Status	Comment
5g/1	MPEG-2 AAC LC	[1] 4.5.2.1	M	☑	

**Table 5h: Supported MPEG-2,4 AAC Channel Interoperability Requirements in SNK**

Prerequisite: A2DP 5/4 "MPEG-2,4 AAC decoder"

Item	Capability	Reference	Support	Status	Comment
5h/1	1 Channel	[1] 4.5.2.4	M	☑	
5h/2	2 Channels	[1] 4.5.2.4	M	☑	

**Table 5i: Supported MPEG-2,4 AAC Sampling Frequency Interoperability Requirements in SNK**

Prerequisite: A2DP 5/4 "MPEG-2,4 AAC decoder"

Item	Capability	Reference	Support	Status	Comment
5i/8	44100 Hz	[1] 4.5.2.3	M	<input checked="" type="checkbox"/>	
5i/9	48000 Hz	[1] 4.5.2.3	M	<input checked="" type="checkbox"/>	

**Table 5j: Supported MPEG-2,4 AAC Feature Interoperability Requirements in SNK**

Prerequisite: A2DP 5/4 "MPEG-2,4 AAC decoder"

Item	Capability	Reference	Support	Status	Comment
5j/1	Variable Bit Rate	[1] 4.5.2.5, [6] 4.5.2.6	M	<input checked="" type="checkbox"/>	

**Table 5k: Supported MPEG-D USAC Channel Interoperability Requirements in SNK**

Prerequisite: A2DP 5/6 "MPEG-D USAC decoder"

Item	Capability	Reference	Support	Status	Comment
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**Table 5l: Supported MPEG-D USAC Sampling Frequency Interoperability Requirements in SNK**

Prerequisite: A2DP 5/6 "MPEG-D USAC decoder"

Item	Capability	Reference	Support	Status	Comment
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**Table 5m: Supported MPEG-D USAC Feature Interoperability Requirements in SNK**

Prerequisite: A2DP 5/6 "MPEG-D USAC decoder"

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
12/2	ProtocolDescriptorList	[1] 5.3	M	<input checked="" type="checkbox"/>	
12/3	BluetoothProfileDescriptorList	[1] 5.3	M	<input checked="" type="checkbox"/>	

**Table 13: GAVDP Roles (Sink)**

Prerequisite: A2DP 1/2 "Sink"

Item	Capability	Reference	Support	Status	Comment
13/2	Acceptor	[1] 5.1.1.1	M	<input checked="" type="checkbox"/>	
13/3	Delay Reporting Initiator	[1] 5.1.1.2	C.1	<input checked="" type="checkbox"/>	C.1: Excluded IF A2DP 7a/2 "A2DP 1.2"; otherwise Mandatory.

**Table 15a: AVDTP Capabilities (Initiator, Sink)**

Prerequisite: A2DP 1/2 "Sink"

Item	Capability	Reference	Support	Status	Comment
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**Table 15b: AVDTP Capabilities (Acceptor, Sink)**

Prerequisite: A2DP 1/2 "Sink"

Item	Capability	Reference	Support	Status	Comment
15b/1	Set configuration response	[1] 5.1.3	M	<input checked="" type="checkbox"/>	

## Attribute Protocol

**Table 1: Role Requirements**

Item	Capability	Reference	Support	Status	Comment
1/1	Attribute Protocol Client	[1] 2	O	<input checked="" type="checkbox"/>	
1/2	Attribute Protocol Server	[1] 2	M	<input checked="" type="checkbox"/>	

**Table 2: Transport Requirements**

Item	Capability	Reference	Support	Status	Comment
2/2	Unenhanced ATT bearer over LE	[1] 2	C.2, C.4	☑	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") AND ATT 7/1 "LE Connections", otherwise Excluded. C.4: Mandatory to support at least one of ATT 2/1 "Unenhanced ATT bearer over BR/EDR" OR ATT 2/2 "Unenhanced ATT bearer over LE" OR ATT 2/3b "Enhanced ATT bearer over BR/EDR".

**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] 3.4.1.1	M	☑	
3/2	Exchange MTU Request	[1] 3.4.2.1	O	☑	
3/3	Exchange MTU Response	[1] 3.4.2.2	C.1	☑	C.1: Mandatory IF ATT 3/2 "Exchange MTU Request", otherwise Excluded.
3/4	Find Information Request	[1] 3.4.3.1	O	☑	
3/5	Find Information Response	[1] 3.4.3.2	C.9	☑	C.9: Mandatory IF ATT 3/4 "Find Information Request", otherwise Excluded.
3/6	Find by Type Value Request	[1] 3.4.3.3	O	☑	
3/7	Find by Type Value Response	[1] 3.4.3.4	C.2	☑	C.2: Mandatory IF ATT 3/6 "Find by Type Value Request", otherwise Excluded.
3/8	Read by Type Request	[1] 3.4.4.1	O	☑	
3/9	Read by Type Response	[1] 3.4.4.2	C.3	☑	C.3: Mandatory IF ATT 3/8 "Read by Type Request", otherwise Excluded.
3/10	Read Request	[1] 3.4.4.3	O	☑	
3/11	Read Response	[1] 3.4.4.4	C.10	☑	C.10: Mandatory IF ATT 3/10 "Read Request", otherwise Excluded.
3/12	Read Blob Request	[1] 3.4.4.5	O	☑	
3/13	Read Blob Response	[1] 3.4.4.6	C.4	☑	C.4: Mandatory IF ATT 3/12 "Read Blob Request", otherwise Excluded.
3/14	Read Multiple Request	[1] 3.4.4.7	O	☑	
3/15	Read Multiple Response	[1] 3.4.4.8	C.5	☑	C.5: Mandatory IF ATT 3/14 "Read Multiple Request", otherwise Excluded.
3/16	Read by Group Type Request	[1] 3.4.4.9	O	☑	
3/17	Read by Group Type Response	[1] 3.4.4.10	C.6	☑	C.6: Mandatory IF ATT 3/16 "Read by Group Type Request", otherwise Excluded.
3/18	Write Request	[1] 3.4.5.1	O	☑	
3/19	Write Response	[1] 3.4.5.2	C.7	☑	C.7: Mandatory IF ATT 3/18 "Write Request", otherwise Excluded.
3/20	Write Command	[1] 3.4.5.3	O	☑	
3/21	Signed Write Command	[1] 3.4.5.4	O	☑	
3/22	Prepare Write Request	[1] 3.4.6.1	O	☑	
3/23	Prepare Write Response	[1] 3.4.6.2	C.8	☑	C.8: Mandatory IF ATT 3/22 "Prepare Write Request", otherwise Excluded.
3/24	Execute Write Request	[1] 3.4.6.3	C.8	☑	C.8: Mandatory IF ATT 3/22 "Prepare Write Request", otherwise Excluded.
3/25	Execute Write Response	[1] 3.4.6.4	C.8	☑	C.8: Mandatory IF ATT 3/22 "Prepare Write Request", otherwise Excluded.
3/26	Handle Value Notification	[1] 3.4.7.1	C.22	☑	C.22: Mandatory IF ATT 2/3a "Enhanced ATT bearer over LE" OR ATT 2/3b "Enhanced ATT bearer over BR/EDR", otherwise Optional.
3/27	Handle Value Indication	[1] 3.4.7.2	O	☑	
3/28	Handle Value Confirmation	[1] 3.4.7.3	C.24	☑	C.24: Mandatory IF ATT 3/27 "Handle Value Indication", otherwise Excluded.

**Table 4: Attribute Protocol Server Messages**

Prerequisite: ATT 1/2 "Attribute Protocol Server"

Item	Capability	Reference	Support	Status	Comment
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4/1	Attribute Error Response	[1] 3.4.1.1	M	☑	
4/2	Exchange MTU Request	[1] 3.4.2.1	O	☑	
4/3	Exchange MTU Response	[1] 3.4.2.2	C.19	☑	C.19: Mandatory IF ATT 4/2 "Exchange MTU Request", otherwise Excluded.
4/4	Find Information Request	[1] 3.4.3.1	M	☑	
4/5	Find Information Response	[1] 3.4.3.2	M	☑	
4/6	Find by Type Value Request	[1] 3.4.3.3	M	☑	
4/7	Find by Type Value Response	[1] 3.4.3.4	M	☑	
4/8	Read by Type Request	[1] 3.4.4.1	M	☑	
4/9	Read by Type Response	[1] 3.4.4.2	M	☑	
4/10	Read Request	[1] 3.4.4.3	M	☑	
4/11	Read Response	[1] 3.4.4.4	M	☑	
4/12	Read Blob Request	[1] 3.4.4.5	C.6	☑	C.6: Mandatory IF ATT 2/3a "Enhanced ATT bearer over LE" OR ATT 2/3b "Enhanced ATT bearer over BR/EDR", otherwise Optional.
4/13	Read Blob Response	[1] 3.4.4.6	C.1	☑	C.1: Mandatory IF ATT 4/12 "Read Blob Request", otherwise Excluded.
4/14	Read Multiple Request	[1] 3.4.4.7	O	☑	
4/15	Read Multiple Response	[1] 3.4.4.8	C.2	☑	C.2: Mandatory IF ATT 4/14 "Read Multiple Request", otherwise Excluded.
4/16	Read by Group Type Request	[1] 3.4.4.9	M	☑	
4/17	Read by Group Type Response	[1] 3.4.4.10	M	☑	
4/18	Write Request	[1] 3.4.5.1	C.6	☑	C.6: Mandatory IF ATT 2/3a "Enhanced ATT bearer over LE" OR ATT 2/3b "Enhanced ATT bearer over BR/EDR", otherwise Optional.
4/19	Write Response	[1] 3.4.5.2	C.3	☑	C.3: Mandatory IF ATT 4/18 "Write Request", otherwise Excluded.
4/20	Write Command	[1] 3.4.5.3	C.6	☑	C.6: Mandatory IF ATT 2/3a "Enhanced ATT bearer over LE" OR ATT 2/3b "Enhanced ATT bearer over BR/EDR", otherwise Optional.
4/21	Signed Write Command	[1] 3.4.5.3	O	☑	
4/22	Prepare Write Request	[1] 3.4.6.1	C.6	☑	C.6: Mandatory IF ATT 2/3a "Enhanced ATT bearer over LE" OR ATT 2/3b "Enhanced ATT bearer over BR/EDR", otherwise Optional.
4/23	Prepare Write Response	[1] 3.4.6.2	C.4	☑	C.4: Mandatory IF ATT 4/22 "Prepare Write Request", otherwise Excluded.
4/24	Execute Write Request	[1] 3.4.6.3	C.4	☑	C.4: Mandatory IF ATT 4/22 "Prepare Write Request", otherwise Excluded.
4/25	Execute Write Response	[1] 3.4.6.4	C.4	☑	C.4: Mandatory IF ATT 4/22 "Prepare Write Request", otherwise Excluded.
4/26	Handle Value Notification	[1] 3.4.7.1	C.6	☑	C.6: Mandatory IF ATT 2/3a "Enhanced ATT bearer over LE" OR ATT 2/3b "Enhanced ATT bearer over BR/EDR", otherwise Optional.
4/27	Handle Value Indication	[1] 3.4.7.2	O	☑	
4/28	Handle Value Confirmation	[1] 3.4.7.3	C.5	☑	C.5: Mandatory IF ATT 4/27 "Handle Value Indication", otherwise Excluded.
4/30	Execute Write Request with no pending prepared write values	[2] 3.4.6.3	C.14	☑	C.14: Mandatory IF ATT 4/22 "Prepare Write Request" AND SUMICS 31/19 "Core v5.0", otherwise Optional.

**Table 6: L2CAP Requirements**

Item	Capability	Reference	Support	Status	Comment
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**Table 7: GAP Requirements**

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

**Table 0: X.Y Versions**

Item	Capability	Reference	Support	Status	Comment
0/4	AVCTP 1.4	AVCTP 1.4	M	☑	

**Table 1: Role Requirements**

Item	Capability	Reference	Support	Status	Comment
1/1	Controller	[1] 3.1	C.1	☑	C.1: Mandatory to support at least one.
1/2	Target	[1] 3.1	C.1	☑	C.1: Mandatory to support at least one.

**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
3/2	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: Role Requirements**

Item	Capability	Reference	Support	Status	Comment
1/1	Source	[1] 4.2	C.1	☑	C.1: Mandatory to support at least one of AVDTP 1/1 "Source" OR AVDTP 1/2 "Sink".
1/2	Sink	[1] 4.2	C.1	☑	C.1: Mandatory to support at least one of AVDTP 1/1 "Source" OR AVDTP 1/2 "Sink".
1/3	Initiator	[1] 4.3	C.2	☑	C.2: Mandatory to support at least one of AVDTP 1/3 "Initiator" OR AVDTP 1/4 "Acceptor". Note: It is within the scope of profiles using the AVDTP specification to mandate Initiator/Acceptor capabilities.
1/4	Acceptor	[1] 4.3	C.2	☑	C.2: Mandatory to support at least one of AVDTP 1/3 "Initiator" OR AVDTP 1/4 "Acceptor". Note: It is within the scope of profiles using the AVDTP specification to mandate Initiator/Acceptor capabilities.

**Table 2: Signaling 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	<input checked="" type="checkbox"/>	
2/2	Packet type	[1] 8.4.2	M	<input checked="" type="checkbox"/>	
2/3	Message type	[1] 8.4.3	M	<input checked="" type="checkbox"/>	
2/4	Signal identifier	[1] 8.4.4	M	<input checked="" type="checkbox"/>	

**Table 3: Signaling Channel Establishment/Disconnection (Initiator, Source)**

Prerequisite: AVDTP 1/3 "Initiator" AND AVDTP 1/1 "Source"

Item	Capability	Reference	Support	Status	Comment
3/1	Establish signaling channel	[1] 13.1	O	<input checked="" type="checkbox"/>	
3/2	Disconnect signaling channel	[1] 13.1	O	<input checked="" type="checkbox"/>	

**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	<input checked="" type="checkbox"/>	
4/2	Stream get capabilities command	[1] 6.4, 6.7, 8.7, 13.1	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory IF 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	<input checked="" type="checkbox"/>	
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	<input checked="" type="checkbox"/>	
4/5	Reconfigure command	[1] [2] 6.4, 6.14, 8.10, 13.1, [3] 6.4, 6.15, 8.11, 13.1	O	<input checked="" type="checkbox"/>	
4/6	Stream get all capabilities command	[3] 6.4, 6.8, 8.8, 13.1	C.1	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	
5/2	Start stream command	[1] [2] 6.4, 6.11, 8.12, 13.1, [3] 6.4, 6.12, 8.13, 13.1	O	<input checked="" type="checkbox"/>	
5/3	Close stream command	[1] [2] 6.4, 6.12, 8.13, 13.1, [3] 6.4, 6.13, 8.14, 13.1	O	<input checked="" type="checkbox"/>	
5/4	Suspend command	[1] [2] 6.4, 6.13, 8.14, 13.1, [3] 6.4, 6.14, 8.15, 13.1	O	<input checked="" type="checkbox"/>	
5/5	Abort stream command	[1] [2] 6.4, 6.16, 8.15, 13.1, [3] 6.4, 6.17, 8.16, 13.1	O	<input checked="" type="checkbox"/>	

**Table 6: Security Signaling (Initiator, Source)**

Prerequisite: AVDTP 1/3 "Initiator" AND AVDTP 1/1 "Source"

Item	Capability	Reference	Support	Status	Comment

**Table 7: Message Fragmentation (Initiator, Source)**

Prerequisite: AVDTP 1/3 "Initiator" AND AVDTP 1/1 "Source"

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

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

Prerequisite: AVDTP 1/4 "Acceptor" AND AVDTP 1/1 "Source"

Item	Capability	Reference	Support	Status	Comment
8/1	Transaction Label	[1] 8.4.1	M	<input checked="" type="checkbox"/>	

8/2	Packet type	[1] 8.4.2	M	<input checked="" type="checkbox"/>	
8/3	Message type	[1] 8.4.3	M	<input checked="" type="checkbox"/>	
8/4	Signal identifier	[1] 8.4.4	M	<input checked="" type="checkbox"/>	

**Table 9: Signaling Channel Establishment/Disconnection (Acceptor, Source)**

Prerequisite: AVDTP 1/4 "Acceptor" AND AVDTP 1/1 "Source"

Item	Capability	Reference	Support	Status	Comment
9/1	Establish signaling channel	[1] 13.1	O	<input checked="" type="checkbox"/>	
9/2	Disconnect signaling channel	[1] 13.1	O	<input checked="" type="checkbox"/>	

**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	<input checked="" type="checkbox"/>	
10/2	Stream get capabilities response	[1] 6.4, 6.7, 8.7, 13.1	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory IF 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	<input checked="" type="checkbox"/>	
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	<input checked="" type="checkbox"/>	
10/5	Reconfigure response	[1] [2] 6.4, 6.14, 8.10, 13.1, [3] 6.4, 6.15, 8.11, 13.1	O	<input checked="" type="checkbox"/>	
10/6	Stream get all capabilities response	[3] 6.4, 6.8, 8.8, 13.1	C.1	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	
11/2	Start stream response	[1] [2] 6.4, 6.11, 8.12, 13.1, [3] 6.4, 6.12, 8.13, 13.1	O	<input checked="" type="checkbox"/>	
11/3	Close stream response	[1] [2] 6.4, 6.12, 8.13, 13.1, [3] 6.4, 6.13, 8.14, 13.1	O	<input checked="" type="checkbox"/>	
11/4	Suspend response	[1] [2] 6.4, 6.13, 8.14, 13.1, [3] 6.4, 6.14, 8.15, 13.1	O	<input checked="" type="checkbox"/>	
11/5	Abort stream response	[1] [2] 6.4, 6.16, 8.15, 13.1, [3] 6.4, 6.17, 8.16, 13.1	O	<input checked="" type="checkbox"/>	
11/6	General reject message	[2] 8.17, [3] 8.18	O	<input checked="" type="checkbox"/>	

**Table 12: Security Signaling (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	Signaling message fragmentation	[1] 8.3	M	<input checked="" type="checkbox"/>	

**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	<input checked="" type="checkbox"/>	

**Table 14a: AVDTP Source - Major Versions (X.Y)**

Prerequisite: AVDTP 1/1 "Source"

Item	Capability	Reference	Support	Status	Comment
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14a/3	AVDTP 1.3	AVDTP 1.3	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support one and only one of AVDTP 14a/1 "AVDTP 1.0" OR AVDTP 14a/2 "AVDTP 1.2" OR AVDTP 14a/3 "AVDTP 1.3".
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**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	<input checked="" type="checkbox"/>	
2b/2	Packet type	[1] 8.4.2	M	<input checked="" type="checkbox"/>	
2b/3	Message type	[1] 8.4.3	M	<input checked="" type="checkbox"/>	
2b/4	Signal identifier	[1] 8.4.4	M	<input checked="" type="checkbox"/>	

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

Prerequisite: AVDTP 1/3 "Initiator" AND AVDTP 1/2 "Sink"

Item	Capability	Reference	Support	Status	Comment
3b/1	Establish signaling channel	[1] 13.1	O	<input checked="" type="checkbox"/>	
3b/2	Disconnect signaling channel	[1] 13.1	O	<input checked="" type="checkbox"/>	

**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	<input checked="" type="checkbox"/>	
4b/2	Stream get capabilities command	[1] 6.4, 6.7, 8.7, 13.1	C.2	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	
4b/4	Get configuration command	[1] [2] 6.4, 6.9, 8.9, 13.1, [3] 6.4, 6.10, 8.10, 13.1	O	<input checked="" type="checkbox"/>	
4b/5	Reconfigure command	[1] [2] 6.4, 6.14, 8.10, 13.1, [3] 6.4, 6.15, 8.11, 13.1	O	<input checked="" type="checkbox"/>	
4b/6	Stream get all capabilities command	[3] 6.4, 6.8, 8.8, 13.1	C.1	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	
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	<input checked="" type="checkbox"/>	
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	<input checked="" type="checkbox"/>	
5b/4	Suspend command	[1] [2] 6.4, 6.13, 8.14, 13.1, [3] 6.4, 6.14, 8.15, 13.1	O	<input checked="" type="checkbox"/>	
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	<input checked="" type="checkbox"/>	

**Table 6b: Security Signaling (Initiator, Sink)**

Prerequisite: AVDTP 1/3 "Initiator" AND AVDTP 1/2 "Sink"

Item	Capability	Reference	Support	Status	Comment
6b/1	Content security control command	[1] [2] 6.4, 6.15, 8.16, 13.1, [3] 6.4, 6.16, 8.17, 13.1	O	<input checked="" type="checkbox"/>	

**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	<input checked="" type="checkbox"/>	

**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	<input checked="" type="checkbox"/>	
8b/2	Packet type	[1] 8.4.2	M	<input checked="" type="checkbox"/>	
8b/3	Message type	[1] 8.4.3	M	<input checked="" type="checkbox"/>	
8b/4	Signal identifier	[1] 8.4.4	M	<input checked="" type="checkbox"/>	

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

Prerequisite: AVDTP 1/4 "Acceptor" AND AVDTP 1/2 "Sink"

Item	Capability	Reference	Support	Status	Comment
9b/1	Establish signaling channel	[1] 13.1	O	<input checked="" type="checkbox"/>	
9b/2	Disconnect signaling channel	[1] 13.1	O	<input checked="" type="checkbox"/>	

**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	<input checked="" type="checkbox"/>	
10b/2	Stream get capabilities response	[1] 6.4, 6.7, 8.7, 13.1	C.2	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	
10b/4	Get configuration response	[1] [2] 6.4, 6.9, 8.9, 13.1, [3] 6.4, 6.10, 8.10, 13.1	O	<input checked="" type="checkbox"/>	
10b/5	Reconfigure response	[1] [2] 6.4, 6.14, 8.10, 13.1, [3] 6.4, 6.15, 8.11, 13.1	O	<input checked="" type="checkbox"/>	
10b/6	Stream get all capabilities response	[3] 6.4, 6.8, 8.8, 13.1	C.1	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	
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	<input checked="" type="checkbox"/>	
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	<input checked="" type="checkbox"/>	
11b/4	Suspend response	[1] [2] 6.4, 6.13, 8.14, 13.1, [3] 6.4, 6.14, 8.15, 13.1	O	<input checked="" type="checkbox"/>	
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	<input checked="" type="checkbox"/>	
11b/6	General reject message	[2] 8.17, [3] 8.18	O	<input checked="" type="checkbox"/>	

**Table 12b: Security Signaling (Acceptor, Sink)**

Prerequisite: AVDTP 1/4 "Acceptor" AND AVDTP 1/2 "Sink"

Item	Capability	Reference	Support	Status	Comment
12b/1	Content security control response	[1] [2] 6.4, 6.15, 8.16, 13.1, [3] 6.4, 6.16, 8.17, 13.1	O	<input checked="" type="checkbox"/>	

**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	<input checked="" type="checkbox"/>	

**Table 15: Sink Capabilities**

Prerequisite: AVDTP 1/2 "Sink"

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

**Table 15a: AVDTP Sink – Major Versions (X.Y)**

Prerequisite: AVDTP 1/2 "Sink"

Item	Capability	Reference	Support	Status	Comment
15a/3	AVDTP 1.3	AVDTP 1.3	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support one and only one of AVDTP 15a/1 "AVDTP 1.0" OR AVDTP 15a/2 "AVDTP 1.2" OR AVDTP 15a/3 "AVDTP 1.3".

**Table 16: Message Error Handling Capabilities**

Item	Capability	Reference	Support	Status	Comment
16/1	Reporting CapabilityError	[2] 8.18.6.2, [3] 8.20.6.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF AVDTP 14a/2 "AVDTP 1.2" OR AVDTP 15a/2 "AVDTP 1.2" OR AVDTP 14a/3 "AVDTP 1.3" OR AVDTP 15a/3 "AVDTP 1.3" is supported, otherwise Optional.
16/3	General Reject Response Includes Signal ID	[3] 8.18	C.3	<input checked="" type="checkbox"/>	C.3: Mandatory IF AVDTP 14a/3 "AVDTP 1.3" 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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## Audio/Video Remote Control Profile

**Table 2b: Controller – X.Y Versions**

Prerequisite: AVRCP 1/1 "Controller"

Item	Capability	Reference	Support	Status	Comment
2b/5	AVRCP v1.6	AVRCP v1.6	C.1, C.2	<input checked="" type="checkbox"/>	C.1: Mandatory to support one and only one. C.2: Can only be supported with an active XYZ version after Deprecation. Deprecated 2021-02-01. Withdrawn 2024-02-01.

**Table 2c: Controller – X.Y.Z Versions**

Prerequisite: AVRCP 1/1 "Controller"

Item	Capability	Reference	Support	Status	Comment
2c/2	AVRCP v1.6.2	AVRCP v1.6.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF AVRCP 2b/5 "AVRCP v1.6", otherwise Excluded.

**Table 7b: Target – X.Y Versions**

Prerequisite: AVRCP 1/2 "Target"

Item	Capability	Reference	Support	Status	Comment
7b/5	AVRCP v1.6	AVRCP v1.6	C.1, C.2	<input checked="" type="checkbox"/>	C.1: Mandatory to support one and only one. C.2: Can only be supported with an active XYZ version after Deprecation. Deprecated 2021-02-01. Withdrawn 2024-02-01.

**Table 7c: Target – X.Y.Z Versions**

Prerequisite: AVRCP 1/2 "Target"

Item	Capability	Reference	Support	Status	Comment
7c/7	AVRCP v1.6.2	AVRCP v1.6.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF AVRCP 7b/5 "AVRCP v1.6", otherwise Excluded.

**Table 1: Role Requirements**

Item	Capability	Reference	Support	Status	Comment
1/1	Controller	[1] 2.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one.
1/2	Target	[1] 2.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one.

**Table 2: Controller Features**

Prerequisite: AVRCP 1/1 "Controller"

Item	Capability	Reference	Support	Status	Comment
2/1	Initiating connection establishment for control	[1]4.1.1	M	☑	
2/2	Accepting connection establishment for control initiated by TG	[1]4.1.1	M	☑	
2/3	Initiating connection release for control	[1]4.1.2	M	☑	
2/4	Accepting connection release for control initiated by TG	[1]4.1.2	M	☑	
2/7	Sending PASS THROUGH command in category 1	[1]4.1.3	C.1	☑	C.1: Mandatory to support at least one.
2/11	Get Capabilities	[1]6.4.1	O	☑	
2/19	Inform Battery Status of CT	[1]6.5.8	O	☑	
2/21	Get Play Status	[1]6.7.1	O	☑	
2/22	Register Notification	[1]6.7.2	C.11	☑	C.11: Mandatory IF AVRCP 2/20 "Get Element Attributes" OR AVRCP 2/49 "Absolute Volume", otherwise Optional.
2/52	Discoverable Mode	[1]12.1	M	☑	

**Table 3: operation\_id of category 1 for CT**

Prerequisite: AVRCP 2/7 "Sending PASS THROUGH command in category 1"

Item	Capability	Reference	Support	Status	Comment
3/19	play	[1]4.1.3	C.1	☑	C.1: Mandatory to support at least one item.
3/21	pause	[1]4.1.3	C.1	☑	C.1: Mandatory to support at least one item.

**Table 4: operation\_id of category 2 for CT**

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

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 control initiated by CT	[1]4.1.1	M	☑	
7/3	Initiating connection release for control	[1]4.1.2	M	☑	
7/4	Accepting connection release for control initiated by CT	[1]4.1.2	M	☑	
7/5	Receiving UNIT INFO command	[1]4.1.3	M	☑	
7/6	Receiving SUBUNIT INFO command	[1]4.1.3	M	☑	
7/8	Receiving PASS THROUGH command in category 2	[1]4.1.3	C.1	☑	C.1: Mandatory to support at least one.
7/22	Register Notification Response	[1]6.7.2	C.12	☑	C.12: Mandatory IF AVRCP 7/7 "Receiving PASS THROUGH command in category 1" OR (AVRCP 7/8 "Receiving PASS THROUGH command in category 2" AND AVRCP 7/60 "Absolute Volume") OR AVRCP 7/9 "Receiving PASS THROUGH command in category 3", otherwise Optional.

7/60	Absolute Volume	[1]6.13	C.5	<input checked="" type="checkbox"/>	C.5: Mandatory IF AVRCP 7/8 "Receiving PASS THROUGH command in category 2", otherwise Excluded.
7/61	SetAbsoluteVolume	[1]6.13.2	C.5	<input checked="" type="checkbox"/>	C.5: Mandatory IF AVRCP 7/8 "Receiving PASS THROUGH command in category 2", otherwise Excluded.
7/62	NotifyVolumeChange	[1]6.13.3	C.5	<input checked="" type="checkbox"/>	C.5: Mandatory IF AVRCP 7/8 "Receiving PASS THROUGH command in category 2", otherwise Excluded.
7/65	Discoverable Mode	[1]12.1	M	<input checked="" type="checkbox"/>	

**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
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**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
9/19	Volume up	[1]4.1.3	M	<input checked="" type="checkbox"/>	
9/20	Volume down	[1]4.1.3	M	<input checked="" type="checkbox"/>	

**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 12: Requirements towards the Generic Access Profile (CT)**

Prerequisite: AVRCP 1/1 "Controller"

Item	Capability	Reference	Support	Status	Comment
12/1	General discoverable mode	[1]12.1	M	<input checked="" type="checkbox"/>	

**Table 13: Requirements towards the Generic Access Profile (TG)**

Prerequisite: AVRCP 1/2 "Target"

Item	Capability	Reference	Support	Status	Comment
13/1	General discoverable mode	[1]12.1	M	<input checked="" type="checkbox"/>	

**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	<input checked="" type="checkbox"/>	
1/2	Adaptive Frequency Hopping Kernel	[1]2.6	M	<input checked="" type="checkbox"/>	

**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)", 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)", otherwise Optional IF BB 1a/2 "Enhanced Data Rate, 2 Mbps payload data rate", 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)", 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)", otherwise Excluded.
2/6	Profile Broadcast Data Link	[1] 5.7	O	☑	
2/7	ACL with AES-CCM and MC	[4] 8.3.2	C.4	☑	C.4: Mandatory IF LMP 2/26 "Secure Connections (Controller Support)", otherwise Excluded.
2/8	eSCO with AES-CCM	[4] 8.3.1	C.5	☑	C.5: Mandatory IF LMP 2/26 "Secure Connections (Controller Support)" AND BB 2/3 "eSCO link", 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", 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", otherwise Excluded.
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", 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", otherwise Excluded.

**Table 3a: Profile Broadcast Data Link Support**

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

Item	Capability	Reference	Support	Status	Comment
3a/1	Connectionless Peripheral Broadcast Transmitter	[1] 8.10.1, [2] 3.3, Table 3.4, Item 128	C.1	☑	C.1: Mandatory to support at least one of BB 3a/1 "Connectionless Peripheral Broadcast Transmitter" OR BB 3a/2 "Connectionless Peripheral Broadcast Receiver".
3a/2	Connectionless Peripheral Broadcast Receiver	[1] 6.5.1, 6.5.1.2	C.1	☑	C.1: Mandatory to support at least one of BB 3a/1 "Connectionless Peripheral Broadcast Transmitter" OR BB 3a/2 "Connectionless Peripheral Broadcast Receiver".

**Table 4: Common Packet Types**

Item	Capability	Reference	Support	Status	Comment
4/1	ID packet type	[1] 6.5.1, 6.5.1.1	M	☑	
4/2	NULL packet type	[1] 6.5.1, 6.5.1.2	M	☑	
4/3	POLL packet type	[1] 6.5.1, 6.5.1.3	M	☑	

4/4	FHS packet type	[1] 6.5.1, 6.5.1.4	M	☑	
4/5	DM1 packet type	[1] 6.5.1, 6.5.1.5, 6.5.4, 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, 6.5.4.2	M	☑	
5/2	DM3 packet type	[1] 6.5.4, 6.5.4.3	C.1	☑	C.1: Mandatory IF BB 9c/1 "Synchronization Train" OR BB 9c/2 "Synchronization Scan", otherwise Optional.
5/3	DH3 packet type	[1] 6.5.4, 6.5.4.4	O	☑	
5/4	DM5 packet type	[1] 6.5.4, 6.5.4.5	O	☑	
5/5	DH5 packet type	[1] 6.5.4, 6.5.4.6	O	☑	
5/6	AUX1 packet type	[1] 6.5.4, 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)", otherwise Optional IF BB 1a/2 "Enhanced Data Rate, 2 Mbps payload data rate", 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)", otherwise Optional IF BB 1a/2 "Enhanced Data Rate, 2 Mbps payload data rate", 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)", otherwise Optional IF BB 1a/2 "Enhanced Data Rate, 2 Mbps payload data rate", 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)", otherwise Optional IF BB 1a/3 "Enhanced Data Rate, 3 Mbps payload data rate", 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)", otherwise Optional IF BB 5a/2 "2-DH3 packet type" AND BB 5a/4 "3-DH1 packet type", 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)", otherwise Optional IF BB 5a/3 "2-DH5 packet type" AND BB 5a/4 "3-DH1 packet type", otherwise Excluded.

**Table 6: SCO and eSCO Packet Types**

Item	Capability	Reference	Support	Status	Comment
6/1	HV1 packet type	[1] 6.5.2, 6.5.2.1	C.1	☑	C.1: Mandatory IF BB 2/2 "SCO link", otherwise Excluded.
6/3	HV3 packet type	[1] 6.5.2, 6.5.2.3	C.2	☑	C.2: Optional IF BB 2/2 "SCO link", otherwise Excluded.
6/4	DV packet type	[1] 6.5.2, 6.5.2.4	C.1	☑	C.1: Mandatory IF BB 2/2 "SCO link", otherwise Excluded.
6/5	EV3 packet type	[1] 6.5.3, 6.5.3.1	C.3	☑	C.3: Mandatory IF BB 2/3 "eSCO link", 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", 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", 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	☑	
7/6	Truncated Paging	[1] 8.3.3	C.1	☑	C.1: Mandatory IF BB 3a/2 "Connectionless Peripheral Broadcast Receiver", otherwise Optional.
7/7	Page Response Timeout Detection	[1] 8.3	C.2	☑	C.2: Mandatory IF BB 3a/1 "Connectionless Peripheral Broadcast Transmitter", otherwise Optional.
7/9	Generalized Interlaced Page Scan	[4] 8.3.1	C.4	☑	C.4: Mandatory IF BB 10/9 "Generalized Interlaced Inquiry Scan", otherwise Optional.

**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**

Item	Capability	Reference	Support	Status	Comment
9c/1	Synchronization Train	[1] 8.3.5, [2] 3.3, Table 3.4, Item 130	C.1	☑	C.1: Mandatory IF BB 3a/1 "Connectionless Peripheral Broadcast Transmitter" OR BB 18/1 "Coarse Clock Adjustment", otherwise Excluded.
9c/2	Synchronization Scan	[1] 8.3.4, [2] 3.3, Table 3.4, Item 131	C.2	☑	C.2: Mandatory IF BB 3a/2 "Connectionless Peripheral Broadcast Receiver" OR BB 18/1 "Coarse Clock Adjustment", otherwise Excluded.

**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", otherwise Optional.



10/9	Generalized Interlaced Inquiry Scan	[4] 8.4.1	C.3	☑	C.3: Mandatory IF BB 7/9 "Generalized Interlaced Page Scan" AND BB 10/2 "Inquiry Scan with first FHS", otherwise Excluded.
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**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" OR BB 2/3 "eSCO link"

Item	Capability	Reference	Support	Status	Comment
13/1	A-law	[1] 9.1	C.1	☑	C.1: Mandatory to support at least one of BB 13/1 "A-law" OR BB 13/2 "mu-law" OR BB 13/3 "CVSD" OR BB 13/4 "Transparent Synchronous Data".
13/2	mu-law	[1] 9.1	C.1	☑	C.1: Mandatory to support at least one of BB 13/1 "A-law" OR BB 13/2 "mu-law" OR BB 13/3 "CVSD" OR BB 13/4 "Transparent Synchronous Data".
13/3	CVSD	[1] 9.2	C.1	☑	C.1: Mandatory to support at least one of BB 13/1 "A-law" OR BB 13/2 "mu-law" OR BB 13/3 "CVSD" OR BB 13/4 "Transparent Synchronous Data".
13/4	Transparent Synchronous Data	[1] 5.4, 5.5	C.1	☑	C.1: Mandatory to support at least one of BB 13/1 "A-law" OR BB 13/2 "mu-law" OR BB 13/3 "CVSD" OR BB 13/4 "Transparent Synchronous Data".

**Table 14: Erroneous Data Reporting**

Item	Capability	Reference	Support	Status	Comment
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**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", otherwise Optional.

**Table 17: Connection States**

Item	Capability	Reference	Support	Status	Comment
17/1	Sniff Subrating mode	[3] 4.5.3.3	C.1	☑	C.1: Mandatory IF LMP 2/8 "Sniff mode", otherwise Optional.

**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
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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)", otherwise Excluded.

**Table 1: Modes**

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

Item	Capability	Reference	Support	Status	Comment
1/3	General discoverable mode	[1] 4.1.3	O	<input checked="" type="checkbox"/>	
1/4	Non-connectable mode	[1] 4.2.1	O	<input checked="" type="checkbox"/>	
1/5	Connectable mode	[1] 4.2.2	M	<input checked="" type="checkbox"/>	
1/7	Bondable mode	[1] 4.3.2	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory IF GAP 3/5 "Initiation of general bonding", otherwise Optional.
1/8	Non-synchronizable mode	[4] 4.4.1	C.3	<input checked="" type="checkbox"/>	C.3: Optional IF BB 3a/1 "Connectionless Peripheral Broadcast Transmitter", otherwise Excluded.

**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	<input checked="" type="checkbox"/>	C.1: Mandatory IF GAP 2/5 "Security mode 2" OR GAP 2/6 "Security mode 3", otherwise Optional.
2/2	Support of LMP-Authentication	[1] 5.1	M	<input checked="" type="checkbox"/>	
2/3	Initiate LMP-Authentication	[1] 5.1	C.5	<input checked="" type="checkbox"/>	C.5: Mandatory IF GAP 2/5 "Security mode 2" OR GAP 2/6 "Security mode 3" OR GAP 2/7 "Security mode 4", otherwise Optional.
2/5	Security mode 2	[1] 5.2.1.2	O	<input checked="" type="checkbox"/>	
2/7	Security mode 4	[1] 5.2.2	M	<input checked="" type="checkbox"/>	
2/7b	Security mode 4, level 3	[4] 5.2.2.8	C.9	<input checked="" type="checkbox"/>	C.9: Optional IF GAP 2/7 "Security mode 4", otherwise Excluded.
2/7c	Security mode 4, level 2	[4] 5.2.2.8	C.9	<input checked="" type="checkbox"/>	C.9: Optional IF GAP 2/7 "Security mode 4", otherwise Excluded.
2/10	Security Optional	[1] 5.2.2	C.6	<input checked="" type="checkbox"/>	C.6: Mandatory to support at least one IF GAP 2/7 "Security mode 4", otherwise Excluded.
2/12	56-bit minimum encryption key size	[9] 5.2.2.8	C.10	<input checked="" type="checkbox"/>	C.10: Optional IF GAP 2/7d "Security mode 4, level 1" OR GAP 2/7c "Security mode 4, level 2" OR GAP 2/7b "Security mode 4, level 3", otherwise Excluded.
2/13	128-bit encryption key size capable	[4] 5.2.2.8	C.11	<input checked="" type="checkbox"/>	C.11: Mandatory IF GAP 2/7a "Security mode 4, level 4", otherwise Optional IF GAP 2/7d "Security mode 4, level 1" OR GAP 2/7c "Security mode 4, level 2" OR GAP 2/7b "Security mode 4, level 3", 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	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one IF GAP 3/5 "Initiation of general bonding", otherwise Optional.
3/2	Initiation of limited inquiry	[1] 6.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one IF GAP 3/5 "Initiation of general bonding", otherwise Optional.
3/3	Initiation of name discovery	[1] 6.3	O	<input checked="" type="checkbox"/>	
3/4	Initiation of device discovery	[1] 6.4	O	<input checked="" type="checkbox"/>	
3/5	Initiation of general bonding	[1] 6.5	O	<input checked="" type="checkbox"/>	
3/6	Initiation of dedicated bonding	[1] 6.5	O	<input checked="" type="checkbox"/>	

**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	<input checked="" type="checkbox"/>	
4/2	Link Establishment as acceptor	[1] 7.1	M	<input checked="" type="checkbox"/>	
4/4	Channel Establishment as acceptor	[1] 7.2	M	<input checked="" type="checkbox"/>	

4/5	Connection Establishment as initiator	[1] 7.3	O	<input checked="" type="checkbox"/>	
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**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)" OR GAP 38/1 "Broadcaster (BR/EDR/LE)"

Item	Capability	Reference	Support	Status	Comment
6/1	Transmitter	[2] 2.2.2	M	<input checked="" type="checkbox"/>	

**Table 7: Broadcaster Link Layer States**

Prerequisite: GAP 5/1 "Broadcaster (LE)" 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	<input checked="" type="checkbox"/>	
7/2	Advertising state	[2] 2.2.2, 2.2.2.1	M	<input checked="" type="checkbox"/>	
7/3	Isochronous Broadcasting State	[10] 2.2.2, 2.2.2.1	C.1	<input checked="" type="checkbox"/>	C.1: Excluded IF 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", otherwise Optional.

**Table 8: Broadcaster Link Layer Advertising Event Types**

Prerequisite: GAP 5/1 "Broadcaster (LE)" 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	<input checked="" type="checkbox"/>	
8/2	Scannable undirected event	[2] 2.2.2	O	<input checked="" type="checkbox"/>	
8/3	Non-connectable and non-scannable directed event	[7] 2.2.2	C.1	<input checked="" type="checkbox"/>	C.1: Excluded IF SUMICS 31/17 "Core v4.2" OR SUMICS 31/18 "Core v4.2+HS", otherwise Optional.
8/4	Scannable directed event	[7] 2.2.2	C.1	<input checked="" type="checkbox"/>	C.1: Excluded IF SUMICS 31/17 "Core v4.2" OR SUMICS 31/18 "Core v4.2+HS", otherwise Optional.

**Table 8a: Broadcaster Link Layer Advertising Data Types**

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

Item	Capability	Reference	Support	Status	Comment
8a/1	Service UUID	[3] 1.1	O	<input checked="" type="checkbox"/>	
8a/2	Local Name	[3] 1.2	O	<input checked="" type="checkbox"/>	
8a/3	Flags	[3] 1.3	O	<input checked="" type="checkbox"/>	
8a/4	Manufacturer Specific Data	[3] 1.4	O	<input checked="" type="checkbox"/>	
8a/5	TX Power Level	[3] 1.5	O	<input checked="" type="checkbox"/>	
8a/7	Security Manager TK Value	[3] 1.8	O	<input checked="" type="checkbox"/>	
8a/8	Peripheral Connection Interval Range	[3] 1.9	O	<input checked="" type="checkbox"/>	
8a/9	Service Solicitation	[3] 1.10	O	<input checked="" type="checkbox"/>	
8a/10	Service Data	[3] 1.11	O	<input checked="" type="checkbox"/>	
8a/11	Appearance	[3] 1.12	O	<input checked="" type="checkbox"/>	
8a/12	Public Target Address	[3] 1.13	O	<input checked="" type="checkbox"/>	
8a/13	Random Target Address	[3] 1.14	O	<input checked="" type="checkbox"/>	
8a/14	Advertising Interval	[3] 1.15	O	<input checked="" type="checkbox"/>	
8a/15	LE Bluetooth Device Address	[3] 1.16	O	<input checked="" type="checkbox"/>	
8a/16	LE Role	[3] 1.17	O	<input checked="" type="checkbox"/>	
8a/17	Uniform Resource Identifier	[3] 1.18	O	<input checked="" type="checkbox"/>	

**Table 9: Broadcaster Connection Modes and Procedures**

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

Item	Capability	Reference	Support	Status	Comment
9/1	Non-connectable mode	[2] 9.3.2	M	<input checked="" type="checkbox"/>	

**Table 10: Broadcaster Broadcasting and Observing Features**

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

Item	Capability	Reference	Support	Status	Comment
10/1	Broadcast mode	[2] 9.1.1	M	<input checked="" type="checkbox"/>	
10/2	Broadcast Isochronous Synchronizability mode	[10] 9.6.1	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF GAP 10/3 "Broadcast Isochronous Broadcasting mode", otherwise Excluded.
10/3	Broadcast Isochronous Broadcasting mode	[10] 9.6.2	C.2	<input checked="" type="checkbox"/>	C.2: Excluded IF SUM ICS 31/17 "Core v4.2" OR SUM ICS 31/18 "Core v4.2+HS" OR SUM ICS 31/19 "Core v5.0" OR SUM ICS 31/20 "Core v5.1", otherwise Optional.
10/4	Broadcast Isochronous Terminate procedure	[10] 9.6.5	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF GAP 10/3 "Broadcast Isochronous Broadcasting mode", otherwise Excluded.
10/5	Broadcast Isochronous Channel Map Update procedure	[10] 9.6.4	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF GAP 10/3 "Broadcast Isochronous Broadcasting mode", otherwise Excluded.

**Table 11: Broadcaster Privacy Feature**

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

Item	Capability	Reference	Support	Status	Comment
11/1	Privacy feature	[5] 10.7	O	<input checked="" type="checkbox"/>	
11/2	Resolvable private address generation procedure	[5] 10.8.2.2, [6] 1.3.2.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF GAP 11/1 "Privacy feature" AND NOT GAP 11/3 "Non-resolvable private address generation procedure", otherwise Optional.
11/3	Non-resolvable private address generation procedure	[5] 10.8.2.1, [6] 1.3.2.2	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory IF GAP 11/1 "Privacy feature" AND NOT GAP 11/2 "Resolvable private address generation procedure", otherwise Optional.

**Table 11a: Periodic Advertising Modes and Procedures**

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

Item	Capability	Reference	Support	Status	Comment
11b/1	LE security mode 3	[10] 10.2.5	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF GAP 10/2 "Broadcast Isochronous Synchronizability mode", otherwise Excluded.
11b/2	LE security mode 3 level 1	[10] 10.2.5	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory to support at least one IF GAP 11b/1 "LE security mode 3", otherwise Excluded.
11b/3	LE security mode 3 level 2	[10] 10.2.5	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory to support at least one IF GAP 11b/1 "LE security mode 3", otherwise Excluded.

**Table 12: Observer Physical Layer**

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

Item	Capability	Reference	Support	Status	Comment
12/1	Receiver	[2] 2.2.2	M	<input checked="" type="checkbox"/>	
12/2	Transmitter	[2] 2.2.2	O	<input checked="" type="checkbox"/>	

**Table 13: Observer Link Layer States**

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

Item	Capability	Reference	Support	Status	Comment
13/1	Standby state	[2] 2.2.2	M	<input checked="" type="checkbox"/>	
13/2	Scanning state	[2] 2.2.2	M	<input checked="" type="checkbox"/>	

**Table 14: Observer Link Layer Scanning Types**

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

Item	Capability	Reference	Support	Status	Comment
14/1	Passive scanning	[2] 2.2.2	M	<input checked="" type="checkbox"/>	
14/2	Active scanning	[2] 2.2.2	O	<input checked="" type="checkbox"/>	

**Table 14a: Observer Link Layer Scanning Data Types**

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

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

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

Item	Capability	Reference	Support	Status	Comment
15/1	Non-connectable mode	[2] 9.3.2	M	<input checked="" type="checkbox"/>	

**Table 16: Observer Broadcasting and Observing Features**

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

Item	Capability	Reference	Support	Status	Comment
16/1	Observation procedure	[2] 9.1.2	M	<input checked="" type="checkbox"/>	
16/2	Broadcast Isochronous Synchronization Establishment procedure	[10] 9.6.3	C.1	<input checked="" type="checkbox"/>	C.1: Excluded IF 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", otherwise Optional.
16/3	Broadcast Isochronous Termination procedure	[10] 9.6.5	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory IF GAP 16/2 "Broadcast Isochronous Synchronization Establishment procedure", otherwise Excluded.
16/4	Broadcast Isochronous Channel Map Update procedure	[10] 9.6.4	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory IF GAP 16/2 "Broadcast Isochronous Synchronization Establishment procedure", otherwise Excluded.

**Table 17: Observer Privacy Feature**

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

Item	Capability	Reference	Support	Status	Comment
17/1	Privacy feature	[5] 10.7	O	<input checked="" type="checkbox"/>	
17/2	Non-resolvable private address generation procedure	[5] 10.8.2.1, [6] 1.3.2.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF GAP 17/1 "Privacy feature" AND GAP 14/2 "Active scanning" AND NOT GAP 17/4 "Resolvable private address generation procedure", otherwise Optional.
17/3	Resolvable private address resolution procedure	[5] 10.8.2.3, [6] 1.3.2.2	O	<input checked="" type="checkbox"/>	
17/4	Resolvable private address generation procedure	[5] 10.8.2.2, [6] 1.3.2.3	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory IF GAP 17/1 "Privacy feature" AND GAP 14/2 "Active scanning" AND NOT GAP 17/2 "Non-resolvable private address generation procedure", otherwise Optional.

**Table 17a: Periodic Advertising Modes and Procedures**

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

Item	Capability	Reference	Support	Status	Comment
17b/1	LE security mode 3	[10] 10.2.5	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF GAP 16/2 "Broadcast Isochronous Synchronization Establishment procedure", otherwise Excluded.
17b/2	LE security mode 3 level 1	[10] 10.2.5	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory to support at least one IF GAP 17b/1 "LE security mode 3", otherwise Excluded.
17b/3	LE security mode 3 level 2	[10] 10.2.5	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory to support at least one IF GAP 17b/1 "LE security mode 3", otherwise Excluded.

**Table 18: Peripheral Physical Layer**

Prerequisite: GAP 5/3 "Peripheral (LE)" 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)" 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)" 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	☑	
20/2	Connectable directed event	[4] 2.2.2	O	☑	
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	☑	
20/5	Connectable undirected event	[7] 2.2.2	C.1	☑	C.1: Excluded IF SUMICS 31/17 "Core v4.2" OR SUMICS 31/18 "Core v4.2+HS", otherwise Optional.
20/6	Non-connectable and non-scannable directed event	[7] 2.2.2	C.1	☑	C.1: Excluded IF SUMICS 31/17 "Core v4.2" OR SUMICS 31/18 "Core v4.2+HS", otherwise Optional.
20/7	Scannable directed event	[7] 2.2.2	C.1	☑	C.1: Excluded IF SUMICS 31/17 "Core v4.2" OR SUMICS 31/18 "Core v4.2+HS", otherwise Optional.

**Table 20A: Peripheral Link Layer Advertising Data Types**

Prerequisite: GAP 5/3 "Peripheral (LE)" 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", 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", 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", 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", otherwise Excluded.
20A/5	TX Power 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", otherwise Excluded.
20A/7	Security Manager TK Value	[3] 1.8	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", otherwise Excluded.
20A/8	Peripheral Connection Interval Range	[3] 1.9	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", otherwise Excluded.
20A/9	Service Solicitation	[3] 1.10	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", 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", otherwise Excluded.
20A/11	Appearance	[3] 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", otherwise Excluded.
20A/12	Public Target Address	[3] 1.13	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", otherwise Excluded.
20A/13	Random Target Address	[3] 1.14	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", otherwise Excluded.
20A/15	LE Bluetooth Device Address	[3] 1.16	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", otherwise Excluded.
20A/16	LE Role	[3] 1.17	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", otherwise Excluded.
20A/17	Uniform Resource Identifier	[3] 1.18	O	☑	

**Table 21: Peripheral Link Layer Control Procedures**

Prerequisite: GAP 5/3 "Peripheral (LE)" 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	☑	
21/7	LE Ping procedure	[4] 2.2.2	O	☑	
21/8	Peripheral-initiated Feature Exchange procedure	[4] 2.2.2	C.1	☑	C.1: Mandatory IF GAP 21/9 "Connection Parameter Request procedure", otherwise Optional.
21/9	Connection Parameter Request procedure	[4] 2.2.2	O	☑	
21/10	Data Length Update procedure	[8] 2.2.2	O	☑	
21/11	PHY Update procedure	[8] 2.2.2	C.2	☑	C.2: Excluded IF SUMICS 31/17 "Core v4.2" OR SUMICS 31/18 "Core v4.2+HS", otherwise Optional.
21/12	Minimum Number Of Used Channels procedure	[8] 2.2.2	C.2	☑	C.2: Excluded IF SUMICS 31/17 "Core v4.2" OR SUMICS 31/18 "Core v4.2+HS", otherwise Optional.

**Table 22: Peripheral Discovery Modes and Procedures**

Prerequisite: GAP 5/3 "Peripheral (LE)" 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	☑	
22/2	Limited discoverable mode	[4] 9.2.3, 13.1	O	☑	
22/3	General discoverable mode	[4] 9.2.4, 13.1	C.1	☑	C.1: Mandatory IF NOT GAP 22/2 "Limited discoverable mode", otherwise Optional.
22/4	Name discovery procedure	[2] 9.2.7	O	☑	

**Table 23: Peripheral Connection Modes and Procedures**

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

Item	Capability	Reference	Support	Status	Comment
23/1	Non-connectable mode	[4] 9.3.2	M	☑	
23/2	Directed connectable mode	[4] 9.3.3	O	☑	
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)" 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	C.2	☑	C.2: Mandatory IF GAP 24/2 "Bondable mode", otherwise Excluded.
24/4	Multiple Bonds	[4] 9.4	C.1	☑	C.1: Optional IF GAP 24/2 "Bondable mode", otherwise Excluded.

**Table 25: Peripheral Security Aspects Features**

Prerequisite: GAP 5/3 "Peripheral (LE)" 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	☑	
25/4	Authorization procedure	[4] 10.5	O	☑	
25/5	Connection data signing procedure	[4] 10.4.1	C.6	☑	C.6: Mandatory to support at least one IF GAP 25/2 "LE security mode 2", otherwise Optional.
25/6	Authenticate signed data procedure	[4] 10.4.2	C.6	☑	C.6: Mandatory to support at least one IF GAP 25/2 "LE security mode 2", otherwise Optional.
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", 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", otherwise Excluded.
25/9	LE security mode 1 level 4	[5] 10.3	C.1	☑	C.1: Optional IF GAP 25/1 "LE security mode 1", otherwise Excluded.
25/11	Unauthenticated Pairing (LE security mode 1 level 2) with LE Secure Connections Pairing only	[5] 10.3	C.1	☑	C.1: Optional IF GAP 25/1 "LE security mode 1", otherwise Excluded.
25/12	Authenticated Pairing (LE security mode 1 level 3) with LE Secure Connections Pairing only	[5] 10.3	C.1	☑	C.1: Optional IF GAP 25/1 "LE security mode 1", otherwise Excluded.
25/13	Minimum 128 Bit entropy key	[5] 10.3	C.5	☑	C.5: Mandatory IF GAP 25/9 "LE security mode 1 level 4", otherwise Optional IF GAP 25/11 "Unauthenticated Pairing (LE security mode 1 level 2) with LE Secure Connections Pairing only" OR GAP 25/12 "Authenticated Pairing (LE security mode 1 level 3) with LE Secure Connections Pairing only", otherwise Excluded.

**Table 26: Peripheral Privacy Feature**

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

Item	Capability	Reference	Support	Status	Comment
26/1	Privacy feature	[5] 10.7	O	☑	
26/2	Non-resolvable private address generation procedure	[5] 10.7, 10.8.2.1, [6] 1.3.2.2	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", 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", otherwise Optional.

**Table 27: Peripheral GAP Characteristics**

Prerequisite: GAP 5/3 "Peripheral (LE)" 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	☑	
27/5	Peripheral Preferred Connection Parameters	[2] 12.5	O	☑	



27/6	Writable Device Name	[2] 12.1	O	<input checked="" type="checkbox"/>	
27/7	Writable Appearance	[2] 12.2	O	<input checked="" type="checkbox"/>	
27/9	Central Address Resolution	[5] 12	C.1	<input checked="" type="checkbox"/>	C.1: Optional IF LL 2/5 "Resolution of private addresses", otherwise Excluded.

**Table 27a: Periodic Advertising Modes and Procedures**

Prerequisite: (GAP 5/3 "Peripheral (LE)" 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 27b: SM Requirements**

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

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

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

Item	Capability	Reference	Support	Status	Comment
28/1	Transmitter	[2] 2.2.2	M	<input checked="" type="checkbox"/>	
28/2	Receiver	[2] 2.2.2	M	<input checked="" type="checkbox"/>	

**Table 29: Central Link Layer States**

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

Item	Capability	Reference	Support	Status	Comment
29/1	Standby state	[2] 2.2.2	M	<input checked="" type="checkbox"/>	
29/2	Scanning state	[2] 2.2.2	M	<input checked="" type="checkbox"/>	
29/3	Initiating state	[2] 2.2.2	M	<input checked="" type="checkbox"/>	
29/4	Connection state, Central role	[2] 2.2.2	M	<input checked="" type="checkbox"/>	

**Table 30: Central Link Layer Scanning Types**

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

Item	Capability	Reference	Support	Status	Comment
30/1	Passive scanning	[2] 2.2.2	O	<input checked="" type="checkbox"/>	
30/2	Active scanning	[2] 2.2.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF NOT GAP 30/1 "Passive scanning", otherwise Optional.

**Table 30a: Central Link Layer Scanning Data Types**

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

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

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

Item	Capability	Reference	Support	Status	Comment
31/1	Connection Update procedure	[2] 2.2.2	M	<input checked="" type="checkbox"/>	
31/2	Channel Map Update procedure	[2] 2.2.2	M	<input checked="" type="checkbox"/>	
31/3	Encryption procedure	[2] 2.2.2	O	<input checked="" type="checkbox"/>	
31/4	Central-initiated Feature Exchange procedure	[2] 2.2.2	M	<input checked="" type="checkbox"/>	
31/5	Version Exchange procedure	[2] 2.2.2	M	<input checked="" type="checkbox"/>	
31/6	Termination procedure	[2] 2.2.2	M	<input checked="" type="checkbox"/>	
31/7	LE Ping procedure	[4] 2.2.2	O	<input checked="" type="checkbox"/>	
31/8	Peripheral-initiated Feature Exchange procedure	[4] 2.2.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF GAP 31/9 "Connection Parameter Request procedure", otherwise Optional.
31/9	Connection Parameter Request procedure	[4] 2.2.2	O		

31/10	Data Length Update procedure	[8] 2.2.2	O	<input checked="" type="checkbox"/>	
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**Table 32: Central Discovery Modes and Procedures**

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

Item	Capability	Reference	Support	Status	Comment
32/1	Limited Discovery procedure	[4] 9.2.5	O	<input checked="" type="checkbox"/>	
32/2	General Discovery procedure	[4] 9.2.6	M	<input checked="" type="checkbox"/>	
32/3	Name Discovery procedure	[4] 9.2.7	O	<input checked="" type="checkbox"/>	

**Table 33: Central Connection Modes and Procedures**

Prerequisite: GAP 5/4 "Central (LE)" 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	<input checked="" type="checkbox"/>	
33/2	General connection establishment procedure	[4] 9.3.6	O	<input checked="" type="checkbox"/>	
33/3	Selective connection establishment procedure	[2] 9.3.7	O	<input checked="" type="checkbox"/>	
33/4	Direct connection establishment procedure	[2] 9.3.8	M	<input checked="" type="checkbox"/>	
33/5	Connection parameter update procedure	[2] 9.3.9	M	<input checked="" type="checkbox"/>	
33/6	Terminate connection procedure	[2] 9.3.10	M	<input checked="" type="checkbox"/>	

**Table 34: Central Bonding Modes and Procedures**

Prerequisite: GAP 5/4 "Central (LE)" 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	<input checked="" type="checkbox"/>	
34/2	Bondable mode	[4] 9.4.3, 13.2	O	<input checked="" type="checkbox"/>	
34/3	Bonding procedure	[4] 9.4.4, 13.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF GAP 34/2 "Bondable mode", otherwise Excluded.

**Table 35: Central Security Features**

Prerequisite: GAP 5/4 "Central (LE)" 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	<input checked="" type="checkbox"/>	
35/2	LE security mode 2	[2] 10.2.2	O	<input checked="" type="checkbox"/>	
35/3	Authentication procedure	[2] 10.3	O	<input checked="" type="checkbox"/>	
35/4	Authorization procedure	[2] 10.5	O	<input checked="" type="checkbox"/>	
35/5	Connection data signing procedure	[2] 10.4.1	O	<input checked="" type="checkbox"/>	
35/6	Authenticate signed data procedure	[2] 10.4.3	O	<input checked="" type="checkbox"/>	
35/7	Authenticated Pairing (LE security mode 1 level 3)	[2] 10.3	C.1	<input checked="" type="checkbox"/>	C.1: Optional IF GAP 35/1 "LE security mode 1", otherwise Excluded.
35/8	Unauthenticated Pairing (LE security mode 1 level 2)	[2] 10.3	C.1	<input checked="" type="checkbox"/>	C.1: Optional IF GAP 35/1 "LE security mode 1", otherwise Excluded.
35/11	Unauthenticated Pairing (LE security mode 1 level 2) with LE Secure Connections Pairing only	[5] 10.3	C.1	<input checked="" type="checkbox"/>	C.1: Optional IF GAP 35/1 "LE security mode 1", otherwise Excluded.
35/12	Authenticated Pairing (LE security mode 1 level 3) with LE Secure Connections Pairing only	[5] 10.3	C.1	<input checked="" type="checkbox"/>	C.1: Optional IF GAP 35/1 "LE security mode 1", otherwise Excluded.
35/13	Minimum 128 Bit entropy key	[5] 10.3	C.4	<input checked="" type="checkbox"/>	C.4: Mandatory IF GAP 35/9 "LE security mode 1 level 4", otherwise Optional IF GAP 35/11 "Unauthenticated Pairing (LE security mode 1 level 2) with LE Secure Connections Pairing only" OR GAP 35/12 "Authenticated Pairing (LE security mode 1 level 3) with LE Secure Connections Pairing only", otherwise Excluded.

**Table 36: Central Privacy Feature**

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

Item	Capability	Reference	Support	Status	Comment
36/1	Privacy feature	[5] 10.7	O	☑	
36/2	Non-resolvable private address generation procedure	[5] 10.7, 10.8.2.1, [6] 1.3.2.2	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", 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", otherwise Optional.

**Table 37: Central GAP Characteristics**

Prerequisite: GAP 5/4 "Central (LE)" 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	☑	
37/3	Central Address Resolution	[5] 12.4	C,1	☑	C.1: Mandatory IF LL 2/5 "Resolution of private addresses", otherwise Excluded.

**Table 37a: Periodic Advertising Modes and Procedures**

Prerequisite: (GAP 5/4 "Central (LE)" 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 37b: SM Requirements**

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

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.
38/2	Observer	[2] 13	C,1	☑	C.1: Mandatory to support at least one.
38/3	Peripheral	[2] 13	C,1	☑	C.1: Mandatory to support at least one.
38/4	Central	[2] 13	C,1	☑	C.1: Mandatory to support at least one.

**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	☑	
41/2a	Derivation of BR/EDR Link Key from LE LTK	[4] 14.1	O	☑	

**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	☑	
43/2a	Derivation of BR/EDR Link Key from LE LTK	[4] 14.1	O	☑	

**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	<input checked="" type="checkbox"/>	
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**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	<input checked="" type="checkbox"/>	

## Generic Attribute Profile

**Table 1: Role Requirements**

Item	Capability	Reference	Support	Status	Comment
1/1	Generic Attribute Profile (GATT) Client	[1] 2.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one.
1/2	Generic Attribute Profile (GATT) Server	[1] 2.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one.

**Table 1a: Transport Requirements**

Item	Capability	Reference	Support	Status	Comment
1a/1	GATT Client over LE	[1] 2.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one IF GATT 1/1 "Generic Attribute Profile (GATT) Client", otherwise Excluded.
1a/3	GATT Server over LE	[1] 2.2	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory to support at least one IF GATT 1/2 "Generic Attribute Profile (GATT) Server", otherwise Excluded.

**Table 2: Attribute Protocol Transport Requirements**

Item	Capability	Reference	Support	Status	Comment
2/2	Unenhanced ATT bearer over LE	[1] 2	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory IF GATT 1a/1 "GATT Client over LE" OR GATT 1a/3 "GATT Server over LE", otherwise not defined.
2/3a	Enhanced ATT bearer over LE	[1] 5.5, [3] 3.2.11	C.4, C.3	<input checked="" type="checkbox"/>	C.3: Excluded IF 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"; otherwise Optional. C.4: Optional IF GATT 2/2 "Unenhanced ATT bearer over LE", otherwise not defined.

**Table 3: Generic Attribute Profile Feature Support, by Client**

Prerequisite: GATT 1/1 "Generic Attribute Profile (GATT) Client"

Item	Capability	Reference	Support	Status	Comment
3/1	Exchange MTU	[1] 4.3.1	C.11	<input checked="" type="checkbox"/>	C.11: Optional IF GATT 1a/1 "GATT Client over LE", otherwise Excluded.
3/2	Discover All Primary Services	[1] 4.4.1	O	<input checked="" type="checkbox"/>	
3/3	Discover Primary Services by Service UUID	[1] 4.4.2	O	<input checked="" type="checkbox"/>	
3/4	Find Included Services	[1] 4.5.1	O	<input checked="" type="checkbox"/>	
3/5	Discover All Characteristics of a Service	[1] 4.6.1	O	<input checked="" type="checkbox"/>	
3/6	Discover Characteristics by UUID	[1] 4.6.2	O	<input checked="" type="checkbox"/>	
3/7	Discover All Characteristic Descriptors	[1] 4.7.1	O	<input checked="" type="checkbox"/>	
3/8	Read Characteristic Value	[1] 4.8.1	O	<input checked="" type="checkbox"/>	
3/9	Read Using Characteristic UUID	[1] 4.8.2	O	<input checked="" type="checkbox"/>	
3/10	Read Long Characteristic Values	[1] 4.8.3	O	<input checked="" type="checkbox"/>	
3/11	Read Multiple Characteristic Values	[1] 4.8.4	O	<input checked="" type="checkbox"/>	
3/12	Write without Response	[1] 4.9.1	O	<input checked="" type="checkbox"/>	
3/13	Signed Write Without	[1] 4.9.2	C.11	<input checked="" type="checkbox"/>	C.11: Optional IF GATT 1a/1 "GATT Client over LE", otherwise Excluded.

Item	Capability	Reference	Support	Status	Comment
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 GATT 2/3a "Enhanced ATT bearer over LE" OR GATT 2/3b "Enhanced ATT bearer over BR/EDR", 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	☑	

**Table 3a: GAP Role Requirements for GATT Client**

Prerequisite: GATT 1a/1 "GATT Client over LE"

Item	Capability	Reference	Support	Status	Comment
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**Table 4: Generic Attribute Profile Feature Support, by Server**

Prerequisite: GATT 1/2 "Generic Attribute Profile (GATT) Server"

Item	Capability	Reference	Support	Status	Comment
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 GATT 2/3a "Enhanced ATT bearer over LE" OR GATT 2/3b "Enhanced ATT bearer over BR/EDR", 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 GATT 2/3a "Enhanced ATT bearer over LE" OR GATT 2/3b "Enhanced ATT bearer over BR/EDR", otherwise Optional.
4/14	Write Characteristic	[1]4.9.3	C.3	☑	C.3: Mandatory IF GATT 4/15 "Write Long Characteristic Values" OR GATT 2/3a "Enhanced ATT bearer over LE" OR GATT 2/3b "Enhanced ATT bearer over BR/EDR", otherwise Optional.

Item	Capability	Reference	Support	Status	Comment
4/15	Write Long Characteristic Values	[1] 4.9.4 C.12	<input checked="" type="checkbox"/>		C.12: Mandatory IF GATT 2/3a "Enhanced ATT bearer over LE" OR GATT 2/3b "Enhanced ATT bearer over BR/EDR", otherwise Optional.
4/16	Characteristic Value Reliable Writes	[1] 4.9.5 O	<input checked="" type="checkbox"/>		
4/17	Notifications	[1] 4.10.1 O	<input checked="" type="checkbox"/>		
4/18	Indications	[1] 4.11.1 C.1	<input checked="" type="checkbox"/>		C.1: Mandatory IF GATT 4/23 "Service Changed Characteristic", otherwise Optional.
4/19	Read Characteristic Descriptors	[1] 4.12.1 C.12	<input checked="" type="checkbox"/>		C.12: Mandatory IF GATT 2/3a "Enhanced ATT bearer over LE" OR GATT 2/3b "Enhanced ATT bearer over BR/EDR", otherwise Optional.
4/20	Read Long Characteristic Descriptors	[1] 4.12.2 C.12	<input checked="" type="checkbox"/>		C.12: Mandatory IF GATT 2/3a "Enhanced ATT bearer over LE" OR GATT 2/3b "Enhanced ATT bearer over BR/EDR", otherwise Optional.
4/21	Write Characteristic Descriptors	[1] 4.12.3 C.12	<input checked="" type="checkbox"/>		C.12: Mandatory IF GATT 2/3a "Enhanced ATT bearer over LE" OR GATT 2/3b "Enhanced ATT bearer over BR/EDR", otherwise Optional.
4/22	Write Long Characteristic Descriptors	[1] 4.12.4 O	<input checked="" type="checkbox"/>		
4/23	Service Changed Characteristic	[1] 7.1 C.14	<input checked="" type="checkbox"/>		C.14: Mandatory IF service definitions on the server can be added, changed, or removed, otherwise Optional.
4/24	Configured Broadcast	[1] 2.7 C.5	<input checked="" type="checkbox"/>		C.5: Optional IF GATT 4/14 "Write Characteristic Value", otherwise Excluded.
4/25	Execute Write Request with empty queue	[1] 4.9.4, 4.9.5, 4.12.4 C.7	<input checked="" type="checkbox"/>		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"), otherwise 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", otherwise Excluded.

**Table 4a: GAP Role Requirements for GATT Server**

Prerequisite: GATT 1a/3 "GATT Server over LE"

Item	Capability	Reference	Support	Status	Comment
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**Table 6: SDP Interoperability**

Prerequisite: GATT 2/1 "Unenhanced ATT bearer over BR/EDR" OR GATT 2/3b "Enhanced ATT bearer over BR/EDR"

Item	Capability	Reference	Support	Status	Comment
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**Table 7: GAP Requirements**

Item	Capability	Reference	Support	Status	Comment
7/2	LE security mode 1	[2] 10.2.1	C.2	<input checked="" type="checkbox"/>	C.2: Optional IF GATT 2/2 "Unenhanced ATT bearer over LE", otherwise not defined.
7/3	LE security mode 2	[2] 10.2.2	C.2	<input checked="" type="checkbox"/>	C.2: Optional IF GATT 2/2 "Unenhanced ATT bearer over LE", otherwise not defined.
7/4	Authentication procedure	[2] 10.3	C.2	<input checked="" type="checkbox"/>	C.2: Optional IF GATT 2/2 "Unenhanced ATT bearer over LE", otherwise not defined.
7/5	Connection data signing procedure	[2] 10.4.1	C.2	<input checked="" type="checkbox"/>	C.2: Optional IF GATT 2/2 "Unenhanced ATT bearer over LE", otherwise not defined.
7/6	Authenticate signed data procedure	[2] 10.4.2	C.2	<input checked="" type="checkbox"/>	C.2: Optional IF GATT 2/2 "Unenhanced ATT bearer over LE", otherwise not defined.
7/7	Authorization procedure	[2] 10.5	C.2	<input checked="" type="checkbox"/>	C.2: Optional IF GATT 2/2 "Unenhanced ATT bearer over LE", otherwise not defined.

**Table 8: Multiple Simultaneous ATT Bearers**

Item	Capability	Reference	Support	Status	Comment
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**Table 9: Attribute Protocol Client Requirements**

Prerequisite: GATT 1/1 "Generic Attribute Profile (GATT) Client"

Item	Capability	Reference	Support	Status	Comment
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**Table 10: Attribute Protocol Server Requirements**

Prerequisite: GATT 1/2 "Generic Attribute Profile (GATT) Server"

Item	Capability	Reference	Support	Status	Comment
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**Generic Audio/Video Distribution Profile****Table 2a: GAVDP Initiator – X.Y Versions**

Prerequisite: GAVDP 1/1 "Initiator"

Item	Capability	Reference	Support	Status	Comment
2a/3	GAVDP 1.3	GAVDP 1.3	M	<input checked="" type="checkbox"/>	

**Table 3a: GAVDP Acceptor – X.Y Versions**

Prerequisite: GAVDP 1/2 "Acceptor"

Item	Capability	Reference	Support	Status	Comment
3a/3	GAVDP 1.3	GAVDP 1.3	M	<input checked="" type="checkbox"/>	

**Table 1: Role Requirements**

Item	Capability	Reference	Support	Status	Comment
1/1	Initiator	[1] 2.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one.
1/2	Acceptor	[1] 2.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one.
1/3	Delay Reporting Initiator	[1] 4.1.1	O	<input checked="" type="checkbox"/>	

**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	<input checked="" type="checkbox"/>	
2/4	Start Streaming	[1] 4.1.2	M	<input checked="" type="checkbox"/>	
2/5	Connection Release	[1] 4.1.3	M	<input checked="" type="checkbox"/>	
2/6	Signaling Control – Abort	[1] 4.1.6	M	<input checked="" type="checkbox"/>	

**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	<input checked="" type="checkbox"/>	
4/2	Stream get capabilities command	[1] 3.1.9	M	<input checked="" type="checkbox"/>	
4/3	Set configuration command	[1] 3.1.9	M	<input checked="" type="checkbox"/>	
4/4	Open stream command	[1] 3.1.9	M	<input checked="" type="checkbox"/>	
4/5	Start stream command	[1] 3.1.9	M	<input checked="" type="checkbox"/>	
4/6	Close stream command	[1] 3.1.9	M	<input checked="" type="checkbox"/>	
4/7	Abort stream command	[1] 3.1.9	M	<input checked="" type="checkbox"/>	
4/8	Stream get all capabilities command	[1] 3.1.1	M	<input checked="" type="checkbox"/>	

**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	<input checked="" type="checkbox"/>	
3/2	Transfer Control – Suspend	[1] 4.1.4	O	<input checked="" type="checkbox"/>	
3/3	Transfer Control – Change Parameters	[1] 4.1.5	O	<input checked="" type="checkbox"/>	
3/4	Start Streaming	[1] 4.1.2	M	<input checked="" type="checkbox"/>	

3/5	Connection Release	[1] 4.1.3	M	<input checked="" type="checkbox"/>
3/6	Signaling Control – Abort	[1] 4.1.6	M	<input checked="" type="checkbox"/>
3/7	Security Control	[1] 4.1.7	O	<input checked="" type="checkbox"/>
3/8	Delay Reporting	[1] 4.1.8	O	<input checked="" type="checkbox"/>

**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	<input checked="" type="checkbox"/>	
5/2	Stream get capabilities response	[1] 3.1.9	M	<input checked="" type="checkbox"/>	
5/3	Set configuration response	[1] 3.1.9	M	<input checked="" type="checkbox"/>	
5/4	Open stream response	[1] 3.1.9	M	<input checked="" type="checkbox"/>	
5/5	Start stream response	[1] 3.1.9	M	<input checked="" type="checkbox"/>	
5/6	Close stream response	[1] 3.1.9	M	<input checked="" type="checkbox"/>	
5/7	General reject message	[1] 3.1.9	M	<input checked="" type="checkbox"/>	
5/8	Abort stream response	[1] 3.1.9	M	<input checked="" type="checkbox"/>	
5/9	Stream get all capabilities response	[1] 3.1.1	M	<input checked="" type="checkbox"/>	

## Host Controller Interface

**Table 1a: IUT Configuration**

Item	Capability	Reference	Support	Status	Comment
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**Table 1:**

Item	Capability	Reference	Support	Status	Comment
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**Table 2:**

Item	Capability	Reference	Support	Status	Comment
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**Table 3:**

Item	Capability	Reference	Support	Status	Comment
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**Table 4:**

Item	Capability	Reference	Support	Status	Comment
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**Table 5:**

Item	Capability	Reference	Support	Status	Comment
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**Table 6:**

Item	Capability	Reference	Support	Status	Comment
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**Table 7:**

Item	Capability	Reference	Support	Status	Comment
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**Table 8:**

Item	Capability	Reference	Support	Status	Comment
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**Table 9:**

Item	Capability	Reference	Support	Status	Comment
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**Table 10:**

Item	Capability	Reference	Support	Status	Comment
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**Table 11:**

Item	Capability	Reference	Support	Status	Comment
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**Table 12:**

Item	Capability	Reference	Support	Status	Comment
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**Table 13:**

Item	Capability	Reference	Support	Status	Comment
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**Table 14:**

Item	Capability	Reference	Support	Status	Comment
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**Table 15:**

Item	Capability	Reference	Support	Status	Comment
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**Table 16:**

Item	Capability	Reference	Support	Status	Comment
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**Table 17:**

Item	Capability	Reference	Support	Status	Comment
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**Table 18:**

Item	Capability	Reference	Support	Status	Comment
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### Hands-Free Profile

**Table 0a: AG X.Y Versions**

Prerequisite: HFP 1/1 "Audio Gateway (AG)"

Item	Capability	Reference	Support	Status	Comment
0a/4	Hands-Free Profile 1.8	[4]	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support one and only one.

**Table 0b: HF X.Y Versions**

Prerequisite: HFP 1/2 "Hands-Free (HF)"

Item	Capability	Reference	Support	Status	Comment
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Item	Capability	Reference	Support	Status	Comment
0b/4	Hands-Free Profile 1.8	[4]	C.1	☑	C.1: Mandatory to support one and only one.

**Table 0c: AG X.Y.Z Versions**

Prerequisite: HFP 1/1 "Audio Gateway (AG)"

Item	Capability	Reference	Support	Status	Comment
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**Table 0d: HF X.Y.Z Versions**

Prerequisite: HFP 1/2 "Hands-Free (HF)"

Item	Capability	Reference	Support	Status	Comment
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**Table 1: Role Requirements**

Item	Capability	Reference	Support	Status	Comment
1/1	Audio Gateway (AG)	[1]2.2	C.1	☑	C.1: Mandatory to support at least one.
1/2	Hands-Free (HF)	[1]2.2	C.1	☑	C.1: Mandatory to support at least one.

**Table 2: Capabilities of the AG**

Prerequisite: HFP 1/1 "Audio Gateway (AG)"

Item	Capability	Reference	Support	Status	Comment
2/1	Connection management	[1]4.2, 4.3	M	☑	
2/2	Phone status information	[1]4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10	M	☑	
2/3	Audio Connection handling	[1]4.11, 4.12	M	☑	
2/3b	eSCO support in Audio Connection	[1]5.7.1, [6] 6.7.1	M	☑	
2/4a	Accept an incoming voice call (in-band ring)	[1]4.13	C.1	☑	C.1: Mandatory to support at least one.
2/4b	Accept an incoming voice call (no in-band ring)	[1]4.13	C.1	☑	C.1: Mandatory to support at least one.
2/6	Terminate a call	[1]4.15	M	☑	
2/7	Audio Connection transfer during an ongoing call	[1]4.16, 4.17	M	☑	
2/8	Place a call with the phone number supplied by the HF	[1]4.18	M	☑	
2/9	Place a call using memory dialing	[1]4.19	M	☑	
2/10	Place a call to the last number dialed	[1]4.20	M	☑	
2/11	Call Waiting notification	[1]4.21	M	☑	
2/13	Calling Line Identification (CLI)	[1]4.23	M	☑	
2/14	Echo Canceling (EC) and Noise Reduction (NR)	[1]4.24	O	☑	
2/17	Ability to transmit DTMF codes	[1]4.27	M	☑	
2/20	Subscriber Number Information	[1]4.30	M	☑	
2/21a	Enhanced Call Status	[1]4.31	C.4	☑	C.4: Mandatory to support one and only one.
2/23	Individual Indicator Activation	[1]4.34, [4]4.35	M	☑	
2/25	Support roaming function	[1]4.6	O	☑	
2/27	Support CVSD eSCO S4 setting	[2]5.7.3, [6] 6.7.3	M	☑	

**Table 3: Capabilities of the HF**

Prerequisite: HFP 1/2 "Hands-Free (HF)"

Item	Capability	Reference	Support	Status	Comment
3/1	Connection management	[1]4.2, 4.3	M	☑	
3/2a	Phone status information (service and call indicators)	[1]4.4, 4.10	M	☑	
3/2b	Phone status information (callsetup indicator)	[1]4.10	O	☑	
3/2c	Accept indicator of signal strength	[1]4.5	O	☑	

3/2e	Accept indicator of battery level (battchg)	[1] 4.7	O	☑	
3/3	Audio Connection handling	[1] 4.11, 4.12	M	☑	
3/3a	Audio Connection establishment independent of call processing	[1] 4.11, 4.12	O	☑	
3/3b	eSCO support in Audio Connection	[1] 5.7.1, [6] 6.7.1	M	☑	
3/3c	Codec Negotiation	[1] 4.11	C.5	☑	C.5: Mandatory IF HFP 3/24 "Wide Band Speech service" OR HFP 3/28 "Super Wide Band Speech", otherwise Optional.
3/4a	Accept an incoming voice call (in-band ring)	[1] 4.13	M	☑	
3/4b	Accept an incoming voice call (no in-band ring)	[1] 4.13	M	☑	
3/4c	Accept an incoming voice call (in-band ring muting)	[1] 4.13	O	☑	
3/5	Reject an incoming voice call	[1] 4.14	M	☑	
3/6	Terminate a call	[1] 4.15	M	☑	
3/7	Audio Connection transfer during an ongoing call	[1] 4.16, 4.17	M	☑	
3/7a	HF-initiated Audio transfer to AG during ongoing call	[1] 4.17	O	☑	
3/8	Place a call with the phone number supplied by the HF	[1] 4.18	O	☑	
3/9	Place a call using memory dialing	[1] 4.19	O	☑	
3/10	Place a call to the last number dialed	[1] 4.20	O	☑	
3/12	Three Way Calling	[1] 4.22	O	☑	
3/12a	Three way calling (AT+CHLD values 0)	[1] 4.22	C.2	☑	C.2: Optional IF HFP 3/12 "Three Way Calling", otherwise Excluded.
3/12b	Three way calling (AT+CHLD values 1 and 2)	[1] 4.22	C.1	☑	C.1: Mandatory IF HFP 3/12 "Three Way Calling", otherwise Excluded.
3/12c	Three way calling (AT+CHLD value 3)	[1] 4.22	C.2	☑	C.2: Optional IF HFP 3/12 "Three Way Calling", otherwise Excluded.
3/12d	Three way calling (AT+CHLD value 4)	[1] 4.22	C.2	☑	C.2: Optional IF HFP 3/12 "Three Way Calling", otherwise Excluded.
3/12e	Originate new call with established call in progress	[1] 4.22	C.2	☑	C.2: Optional IF HFP 3/12 "Three Way Calling", otherwise Excluded.
3/14	Echo Canceling (EC) and Noise Reduction (NR)	[1] 4.24	O	☑	
3/15	Voice recognition activation/deactivation	[1] 4.25	O	☑	
3/16	Attach a phone number for a voice tag	[1] 4.26	O	☑	
3/18a	Remote audio volume control – speaker	[1] 4.28.1	O	☑	
3/18b	Remote audio volume control – microphone	[1] 4.28.1	O	☑	
3/18c	Volume level synchronization – speaker	[1] 4.28.2	C.3	☑	C.3: Mandatory IF HFP 3/18a "Remote audio volume control – speaker" OR HFP 3/18b "Remote audio volume control – microphone", otherwise Optional.
3/18d	Volume level synchronization – microphone	[1] 4.28.2	C.4	☑	C.4: Mandatory IF HFP 3/18b "Remote audio volume control – microphone", otherwise Optional.
3/18f	HF informs AG about local changes of microphone gain	[1] 4.28.2	O	☑	
3/21a	Enhanced Call Status	[1] 4.31	O	☑	
3/21b	Enhanced Call Control	[1] 4.32	C.2	☑	C.2: Optional IF HFP 3/12 "Three Way Calling", otherwise Excluded.
3/22	Support for automatic link loss recovery	[1] 4.3	O	☑	
3/23	Individual Indicator Activation	[1] 4.34, [4] 4.35	O	☑	
3/24	Wide Band Speech service	[1] 5.7, [6]	O	☑	

			6.7		
3/25	HF Indicators	[2] 4.35, [4] 4.36	O	<input checked="" type="checkbox"/>	
3/26	Support CVSD eSCO S4 setting	[2] 5.7.3, [6] 6.7.3	M	<input checked="" type="checkbox"/>	

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

Item	Capability	Reference	Support	Status	Comment
4/1	CVSD audio coding over SCO	[1] 2.3	M	<input checked="" type="checkbox"/>	
4/2	mSBC audio coding over eSCO	[1] 5.7.4, [6] 6.7.4	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF HFP 2/24 "Wide Band Speech service" OR HFP 3/24 "Wide Band Speech service", otherwise Excluded.
4/3	CVSD audio coding over eSCO (Initiating)	[1] 5.7.3, [6] 6.7.3	M	<input checked="" type="checkbox"/>	
4/4	CVSD audio coding over eSCO (Accepting)	[1] 5.7.3, [6] 6.7.3	M	<input checked="" type="checkbox"/>	

**Table 5a: RFCOMM Requirements (AG and HF)**

Item	Capability	Reference	Support	Status	Comment
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**Table 6: GAP Requirements (AG)**

Prerequisite: HFP 1/1 "Audio Gateway (AG)"

Item	Capability	Reference	Support	Status	Comment
6/1	Bondable mode	[1] 6.1, [6] 7.1	M	<input checked="" type="checkbox"/>	
6/2	Initiation of general inquiry	[1] 6.3, [6] 7.3	M	<input checked="" type="checkbox"/>	

**Table 7: Requirements towards the Generic Access Profile (HF)**

Prerequisite: HFP 1/2 "Hands-Free (HF)"

Item	Capability	Reference	Support	Status	Comment
7/1	General discoverable mode	[1] 6.1, [6] 7.1	M	<input checked="" type="checkbox"/>	

**Table 7b: BB and L2CAP Requirements**

Item	Capability	Reference	Support	Status	Comment
7b/1	Enhanced Data Rate	[1] 3	M	<input checked="" type="checkbox"/>	

**Table 7c: LC3 Requirements**

Prerequisite: HFP 2/29 "Super Wide Band Speech" OR HFP 3/28 "Super Wide Band Speech"

Item	Capability	Reference	Support	Status	Comment
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**Table 8: Additional Hands-Free Capabilities**

Item	Capability	Reference	Support	Status	Comment
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## Headset Profile

**Table 0: Major Versions (X.Y)**

Item	Capability	Reference	Support	Status	Comment
0/2	HSP v1.2	[2]	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support one and only one of HSP 0/1 "HSP v1.1" OR HSP 0/2 "HSP v1.2".

**Table 1: Role Requirements**

Item	Capability	Reference	Support	Status	Comment
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Item	Capability	Reference	Support	Status	Comment
1/2	Headset (HS)	[1]2.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one of HSP 1/1 "Audio Gateway (AG)" OR HSP 1/2 "Headset (HS)".

**Table 2: Application Features (AG)**

Prerequisite: HSP 1/1 "Audio Gateway (AG)"

Item	Capability	Reference	Support	Status	Comment
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**Table 2a: GAP Requirements**

Prerequisite: HSP 1/1 "Audio Gateway (AG)"

Item	Capability	Reference	Support	Status	Comment
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**Table 2b: SDP Requirements**

Prerequisite: HSP 1/1 "Audio Gateway (AG)"

Item	Capability	Reference	Support	Status	Comment
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**Table 2c: RFCOMM Requirements**

Prerequisite: HSP 1/1 "Audio Gateway (AG)"

Item	Capability	Reference	Support	Status	Comment
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**Table 3: Application Features (HS)**

Prerequisite: HSP 1/2 "Headset (HS)"

Item	Capability	Reference	Support	Status	Comment
3/1	Incoming audio connection establishment	[1]4.2	M	<input checked="" type="checkbox"/>	
3/2	Ring (AT command)	[1]4.2	M	<input checked="" type="checkbox"/>	
3/3	Inband ring tone	[1]4.2	M	<input checked="" type="checkbox"/>	
3/4	Outgoing audio connection establishment	[1]4.3	M	<input checked="" type="checkbox"/>	
3/5	Audio connection release from HS	[1]4.4, [2]4.5	M	<input checked="" type="checkbox"/>	
3/6	Audio connection release from AG	[1]4.4, [2]4.5	M	<input checked="" type="checkbox"/>	
3/7	Audio connection transfer: AG to HS	[1]4.5.1, [2]4.6.1	M	<input checked="" type="checkbox"/>	
3/8	Audio connection transfer: HS to AG	[1]4.5.2, [2]4.6.2	M	<input checked="" type="checkbox"/>	
3/15	Connection Handling with Detach/Page	[1]4.8.1, [2]4.9.1	M	<input checked="" type="checkbox"/>	

**Table 3a: GAP Requirements**

Prerequisite: HSP 1/2 "Headset (HS)"

Item	Capability	Reference	Support	Status	Comment
3a/1	Non-discoverable mode	[1]6.1	M	<input checked="" type="checkbox"/>	
3a/2	General discoverable mode	[1]6.1	M	<input checked="" type="checkbox"/>	

**Table 3b: SDP Requirements**

Prerequisite: HSP 1/2 "Headset (HS)"

Item	Capability	Reference	Support	Status	Comment
3b/1	ProtocolDescriptorList	[1]5.3	M	<input checked="" type="checkbox"/>	
3b/2	BluetoothProfileDescriptorList	[1]5.3	M	<input checked="" type="checkbox"/>	

**Table 3c: RFCOMM Requirements**

Prerequisite: HSP 1/2 "Headset (HS)"

Item	Capability	Reference	Support	Status	Comment
3c/1	RFCOMM with TS 07.10	[1]2.1	M	<input checked="" type="checkbox"/>	

**Table 4: Errata Service Releases (ESR)**

Item	Capability	Reference	Support	Status	Comment
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## Isochronous Adaptation Layer

**Table 1: Supported Features**

Item	Capability	Reference	Support	Status	Comment
1/1	Framed Data Traffic	[1] 2.2	M	<input checked="" type="checkbox"/>	
1/2	Unframed Data Traffic	[1] 2.1	M	<input checked="" type="checkbox"/>	
1/3	Connected Isochronous Stream Adaptation	[1] 2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF LL 9/31 "Connected Isochronous Stream Central" OR LL 9/32 "Connected Isochronous Stream Peripheral" is supported, otherwise Excluded.
1/4	Broadcast Isochronous Stream Adaptation	[1] 2	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory IF LL 9/33 "Isochronous Broadcaster" is supported, otherwise Excluded.
1/5	Synchronized Receiver Adaptation	[1] 2	C.3	<input checked="" type="checkbox"/>	C.3: Mandatory IF LL 9/34 "Synchronized Receiver" is supported, otherwise Excluded.

## Interoperability Test Suite

**Table 1: Interoperability Test Specification**

Item	Capability	Reference	Support	Status	Comment
1/1	Interoperability	IOP	M	<input checked="" type="checkbox"/>	

**Table 2: Design Configuration**

Item	Capability	Reference	Support	Status	Comment
2/1	BR/EDR	GAP 0/1	C.1, C.2	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	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)", otherwise Excluded.

**Table 1: Role Requirements**

Item	Capability	Reference	Support	Status	Comment
1/1	Data Channel Initiator	[1] 2	C.3	<input checked="" type="checkbox"/>	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", otherwise Excluded.
1/2	Data Channel Acceptor	[1] 2	C.1	<input checked="" type="checkbox"/>	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", otherwise Excluded.
1/3	LE Central	[4] 2	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory to support at least one IF L2CAP 0/2 "LE" OR L2CAP 0/3 "BR/EDR/LE", otherwise Excluded.
1/4	LE Peripheral	[4] 2	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory to support at least one IF L2CAP 0/2 "LE" OR L2CAP 0/3 "BR/EDR/LE", otherwise Excluded.

**Table 2: General Operation**

Item	Capability	Reference	Support	Status	Comment
2/1	L2CAP Signaling channel over BR/EDR	[1] 2.2	C.16	<input checked="" type="checkbox"/>	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", otherwise Excluded.

2/2	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", otherwise Excluded.
2/3	Connection-oriented data channel over BR/EDR	[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", otherwise Excluded.
2/4	Send 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", otherwise Excluded.
2/5	Send 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", otherwise Excluded.
2/6	Send 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", otherwise Excluded.
2/7	Send 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", otherwise Excluded.
2/40	L2CAP LE Signaling channel	[4] 2.1, 2.2	C.13	☑	C.13: Mandatory IF L2CAP 0/2 "LE" OR L2CAP 0/3 "BR/EDR/LE", otherwise Excluded.
2/41	Command reject	[4] 4.10	C.13	☑	C.13: Mandatory IF L2CAP 0/2 "LE" OR L2CAP 0/3 "BR/EDR/LE", otherwise Excluded.
2/42	Send Connection Parameter Update Request	[4] 4.20	C.14	☑	C.14: Optional IF L2CAP 1/4 "LE Peripheral", otherwise Excluded.
2/43	Send Connection Parameter Update Response	[4] 4.21	C.15	☑	C.15: Mandatory IF L2CAP 1/3 "LE Central", otherwise Excluded.

**Table 3: Configurable Parameters**

Item	Capability	Reference	Support	Status	Comment
3/1	RTX timer	[1] 6.2.1	M	☑	
3/2	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", otherwise Excluded.
3/3	Minimum MTU size of 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", otherwise Excluded.
3/4	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", otherwise Excluded.
3/5	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", otherwise Excluded.
3/12	Minimum MTU size of 23 octets	[4] 5.1	C.6	☑	C.6: Mandatory IF L2CAP 0/2 "LE" OR L2CAP 0/3 "BR/EDR/LE", otherwise Excluded.

**Table 4: GAP Requirements – Security Aspects (LE)**

Item	Capability	Reference	Support	Status	Comment
4/1	Authentication procedure (LE)	[1] 4.23, 4.26	C.1	☑	C.1: Optional IF L2CAP 0/2 "LE" OR L2CAP 0/3 "BR/EDR/LE", otherwise not defined.
4/2	Authorization procedure (LE)	[1] 4.23, 4.26	C.1	☑	C.1: Optional IF L2CAP 0/2 "LE" OR L2CAP 0/3 "BR/EDR/LE", otherwise not defined.
4/3	Encryption procedure	[1] 4.23, 4.26	C.2	☑	C.2: Mandatory IF 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", otherwise Optional.

**Table 5: GAP Requirements – Security Aspects (BR/EDR)**

Item	Capability	Reference	Support	Status	Comment
5/1	Authentication procedure (BR/EDR)	[1] 4.26	C.1	☑	C.1: Mandatory IF GAP 2/1 "Authentication procedure", otherwise Optional.

## Low Energy Link Layer

**Table 1: Controller States/Roles**

Item	Capability	Reference	Support	Status	Comment
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1/1	Advertising State	[1] 4.4.2	C.1	☑	C.1: Mandatory to support at least one.
1/2	Scanning State	[1] 4.4.3	C.1	☑	C.1: Mandatory to support at least one.
1/3	Initiating State	[1] 4.4.4	C.1	☑	C.1: Mandatory to support at least one.
1/3a	Synchronized State	[6] 4.4.5	C.4	☑	C.4: Excluded IF SUMICS 21/16 "Core v5.0", otherwise Mandatory IF LL 9/27 "Periodic Advertising Sync Transfer: Recipient" OR LL 4/8 "Scanning for Periodic Advertising" OR LL 9/34 "Synchronized Receiver", otherwise Excluded.
1/4	Peripheral Role	[1] 4.5.5	C.3	☑	C.3: Optional IF LL 1/1 "Advertising State", otherwise Excluded.
1/5	Central Role	[1] 4.5.4	C.2	☑	C.2: Mandatory IF LL 1/3 "Initiating State", otherwise Excluded.
1/6	Isochronous Broadcasting State	[7] 4.4.6	C.5	☑	C.5: Mandatory IF LL 9/33 "Isochronous Broadcaster", otherwise Excluded.

**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.
2/2	Random Address	[1] 1.3	C.1	☑	C.1: Mandatory to support at least one.
2/3	Static Address	[3] 1.3.2.1	C.1	☑	C.1: Mandatory to support at least one.
2/4	Generation of private addresses	[3] 1.3.2.2	O	☑	
2/5	Resolution of private addresses	[3] 1.3.2.3	C.2	☑	C.2: Mandatory IF LL 2/4 "Generation of private addresses", otherwise Excluded.
2/6	Network Privacy Mode: Ignore Identity Address when IRK is present in resolving list	[3] 4.7	C.4	☑	C.4: Mandatory IF LL 9/13 "LL Privacy", otherwise Excluded.
2/7	Device Privacy Mode	[3] 4.7	C.5	☑	C.5: Optional IF LL 9/13 "LL Privacy" AND SUMICS 21/14 "Core v4.2", otherwise Mandatory IF LL 9/13 "LL Privacy", otherwise Excluded.

**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", otherwise Optional IF GAP 5/3 "Peripheral", otherwise Excluded.
3/1a	Non-Connectable and Non-Scannable Directed Events	[6] 4.4.2.9	C.10	☑	C.10: Mandatory IF LL 3/9 "Extended Advertising", otherwise Excluded.
3/2	Connectable and Scannable Undirected Events	[1] 4.4.2.3	C.2	☑	C.2: Mandatory IF GAP 5/3 "Peripheral", otherwise Optional.
3/3	Advertising Data	[1] 4.4.2.3, 4.4.2.5, 4.4.2.6	M	☑	
3/3a	Address Change on Advertising Data Change	[1] 6.1	C.13	☑	C.13: Optional IF LL 2/4 "Generation of private addresses" AND LL 3/3 "Advertising Data" AND LL 9/13 "LL Privacy", otherwise Excluded.
3/4	Connectable Directed Events	[1] 4.4.2.4	O	☑	
3/4a	Low Duty Cycle Direct Advertising	[1] 4.4.2.4	O	☑	
3/4b	Connectable Undirected Events	[6] 4.4.2.7	C.10	☑	C.10: Mandatory IF LL 3/9 "Extended Advertising", otherwise Excluded.
3/5	Scannable Undirected Events	[1] 4.4.2.5	O	☑	
3/5a	Scannable Directed Events	[6] 4.4.2.8	C.10	☑	C.10: Mandatory IF LL 3/9 "Extended Advertising", otherwise Excluded.
3/6	Sending Scan Responses	[1] 4.4.2.3, 4.4.2.5	C.2	☑	C.2: Mandatory IF GAP 5/3 "Peripheral", otherwise Optional.
3/7	Accepting Connection Requests	[1] 4.4.2.3, 4.4.2.4	C.3	☑	C.3: Mandatory IF LL 1/4 "Peripheral Role", otherwise Excluded.
3/8	Filtering Policies	[1] 4.3.2	O	☑	
3/9	Extended Advertising	[4] 4.6.12	C.6	☑	C.6: Mandatory IF LL 9/41 "Extended Advertising", otherwise Excluded.
3/10	Periodic Advertising	[4] 4.4.2.12	C.12	☑	C.12: Mandatory IF LL 9/42 "Periodic Advertising", otherwise Excluded.
3/11	Multiple Advertising Sets	[4] 4.4.2.10	C.7	☑	C.7: Optional IF LL 3/9 "Extended Advertising", otherwise Excluded.
3/12	Sending Tx Power in	[4] 2.3.4.7	C.7	☑	C.7: Optional IF LL 3/9 "Extended Advertising", otherwise Excluded.



## Advertisements

3/12a	Sending Channel Map Update Indication in ACAD	[9] 1.20	C.11	<input checked="" type="checkbox"/>	C.11: Optional IF LL 3/10 "Periodic Advertising", otherwise Excluded.
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**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	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one IF GAP 5/2 "Observer" OR GAP 5/4 "Central", otherwise Excluded.
4/2	Receiving Advertising Data	[1] 4.4.3.1, 4.4.3.2	M	<input checked="" type="checkbox"/>	
4/3	Active Scanning	[1] 4.4.3.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one IF GAP 5/2 "Observer" OR GAP 5/4 "Central", otherwise Excluded.
4/4	Backoff Procedure	[1] 4.4.3.2	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory IF LL 4/3 "Active Scanning", otherwise Excluded.
4/5	Filtering Policies	[1] 4.3.3	M	<input checked="" type="checkbox"/>	
4/6	Extended Scanner filter policies	[3] 4.4.3	O	<input checked="" type="checkbox"/>	
4/6a	Periodic Sync Establishment Filtering Policies	[4] 4.6.13	C.6	<input checked="" type="checkbox"/>	C.6: Mandatory IF LL 4/8 "Scanning for Periodic Advertising", otherwise Excluded.
4/7	Extended Scanning	[4] 4.6.12	C.4	<input checked="" type="checkbox"/>	C.4: Mandatory IF LL 9/41 "Extended Advertising", otherwise Excluded.
4/8	Scanning for Periodic Advertising	[4] 4.4.3.4	C.5	<input checked="" type="checkbox"/>	C.5: Mandatory IF LL 9/42 "Periodic Advertising", otherwise Excluded.

**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	<input checked="" type="checkbox"/>	
5/2	Requesting to Directed Advertising	[1] 4.4.4	M	<input checked="" type="checkbox"/>	
5/3	Initiator Filtering	[1] 4.3.4	M	<input checked="" type="checkbox"/>	
5/4	Requesting connections using extended advertising	[4] 4.6.12	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF LL 9/41 "Extended Advertising", otherwise Excluded.

**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	<input checked="" type="checkbox"/>	
6/2	Acknowledgement Scheme	[1] 4.5.9	M	<input checked="" type="checkbox"/>	
6/3	Unknown Response	[1] 5.1.4, 2.4.2	M	<input checked="" type="checkbox"/>	
6/4	Responding in Feature Setup	[1] 5.1.4.1	M	<input checked="" type="checkbox"/>	
6/4a	Requesting Feature Setup	[1] 5.1.4.2	C.18	<input checked="" type="checkbox"/>	C.18: Mandatory IF LL 9/5 "Peripheral-initiated Features Exchange", otherwise Excluded.
6/5	Sending Data (Device supports data output from a Host)	[1] 4.5.1, 4.5.6	M	<input checked="" type="checkbox"/>	
6/6	Receiving Data (Device supports data input to a Host)	[1] 4.5.1, 4.5.6	M	<input checked="" type="checkbox"/>	
6/7	More Data	[1] 4.5.6	O	<input checked="" type="checkbox"/>	
6/10	Accepting Parameter Update	[1] 5.1.1	M	<input checked="" type="checkbox"/>	
6/10a	Initiating Connection Parameter Request	[1] 5.1	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory IF LL 9/3 "Connection Parameters Request Procedure", otherwise Excluded.
6/10b	Accepting Connection Parameter Request	[1] 5.1	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory IF LL 9/3 "Connection Parameters Request Procedure", otherwise Excluded.
6/11	Accepting Channel Map Update	[1] 5.1.2	M	<input checked="" type="checkbox"/>	
6/12	Encryption Start	[1] 5.1.3	C.17	<input checked="" type="checkbox"/>	C.17: Mandatory IF LL 9/1 "LE Encryption", otherwise Excluded.
6/13	Connection Control Timer	[1] 5.2	M	<input checked="" type="checkbox"/>	

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", 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	☑	
6/21	LE Authenticated Payload Timeout	[2] 5.4	C.5	☑	C.5: Mandatory IF LL 9/2 "LE Ping Procedure", otherwise Excluded.
6/22	Data Length Update Procedure	[3] 5.1.9	C.4	☑	C.4: Mandatory IF LL 9/6 "LE Data Packet Length Extension", otherwise Excluded.
6/23	Minimum Number Of Used Channels Procedure	[4] 4.6.15	C.6	☑	C.6: Mandatory IF LL 9/12 "Minimum Number of Used Channels Procedure", otherwise Excluded.
6/23a	PHY Update procedure	[4] 5.1.10	C.9	☑	C.9: Excluded IF SUMICS 21/14 "Core v4.2", otherwise Mandatory IF LL 9/6a "Multiple PHYs", otherwise Optional.
6/26	Initiating Periodic Advertising Sync Transfer Procedure for Local Periodic Advertising	[6] 5.1.13	C.10	☑	C.10: Mandatory IF LL 9/28 "Initiating Periodic Advertising Sync Transfer for Local Periodic Advertising", otherwise Excluded.
6/27	Initiating Periodic Advertising Sync Transfer Procedure for Remote Periodic Advertising	[6] 5.1.13	C.11	☑	C.11: Mandatory IF LL 9/29 "Initiating Periodic Advertising Sync Transfer for Remote Periodic Advertising", otherwise Excluded.
6/28	Accepting Periodic Advertising Sync Transfer Procedure	[6] 5.1.13	C.12	☑	C.12: Mandatory IF LL 9/27 "Periodic Advertising Sync Transfer: Recipient", otherwise Excluded.
6/29	Sending Long Control PDUs	[6] 4.5.11	C.13	☑	C.13: Mandatory IF LL 6/26 "Initiating Periodic Advertising Sync Transfer Procedure for Local Periodic Advertising" OR LL 6/27 "Initiating Periodic Advertising Sync Transfer Procedure for Remote Periodic Advertising", otherwise Excluded.
6/30	Receiving Long Control PDUs	[6] 4.5.11	C.14	☑	C.14: Mandatory IF (LL 6/28 "Accepting Periodic Advertising Sync Transfer Procedure" OR LL 9/32 "Connected Isochronous Stream Peripheral"), otherwise Excluded.
6/31	Can Change Sleep Clock Accuracy	[6] 4.6.25	C.15	☑	C.15: Mandatory IF LL 9/40 "Can Change Sleep Clock Accuracy", otherwise Excluded.
6/32	Bi-Directional Data in Single Connected Isochronous Stream	[7] 4.5.14	C.16	☑	C.16: Mandatory IF LL 9/32 "Connected Isochronous Stream Peripheral", otherwise Excluded.
6/33	Bi-Directional Data in Multiple Connected Isochronous Streams	[7] 4.5.14	C.20	☑	C.20: Optional IF LL 9/32 "Connected Isochronous Stream Peripheral", otherwise Excluded.
6/34	Channel Classification Reporting	[1] 4.5.8.1	C.19	☑	C.19: Mandatory IF LL 9/44 "LE Channel Classification", otherwise Excluded.

**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	☑	
7/4a	Responding in Feature Setup	[1] 5.1.4.2	C.18	☑	C.18: Mandatory IF LL 9/5 "Peripheral-initiated Features Exchange", otherwise Excluded.
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	☑	
7/10a	Initiating Connection Parameter Request	[1] 5.1	C.2	☑	C.2: Mandatory IF LL 9/3 "Connection Parameters Request Procedure", otherwise Excluded.
7/10b	Accepting Connection Parameter Request	[1] 5.1	C.2	☑	C.2: Mandatory IF LL 9/3 "Connection Parameters Request Procedure", otherwise Excluded.
7/11	Requesting Channel Map	[1] 5.1.2	M	☑	

Update						
7/12	Encryption Start	[1] 5.1.3	C.17	☑	C.17: Mandatory IF LL 9/1 "LE Encryption", 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", otherwise Excluded.	
7/20	Central Version Exchange	[1] 5.1.5	M	☑		
7/21	LE Authenticated Payload Timeout	[2] 5.4	C.5	☑	C.5: Mandatory IF LL 9/2 "LE Ping Procedure", otherwise Excluded.	
7/22	Data Length Update Procedure	[3] 5.1.9	C.4	☑	C.4: Mandatory IF LL 9/6 "LE Data Packet Length Extension", otherwise Excluded.	
7/23	Minimum Number Of Used Channels Procedure	[4] 4.6.15	C.6	☑	C.6: Mandatory IF LL 9/12 "Minimum Number of Used Channels Procedure", otherwise Excluded.	
7/23a	PHY Update procedure	[4] 5.1.10	C.9	☑	C.9: Excluded IF SUMICS 21/14 "Core v4.2", otherwise Mandatory IF LL 9/6a "Multiple PHYs", otherwise Optional.	
7/26	Initiating Periodic Advertising Sync Transfer Procedure for Local Periodic Advertising	[6] 5.1.13	C.10	☑	C.10: Mandatory IF LL 9/28 "Initiating Periodic Advertising Sync Transfer for Local Periodic Advertising", otherwise Excluded.	
7/27	Initiating Periodic Advertising Sync Transfer Procedure for Remote Periodic Advertising	[6] 5.1.13	C.11	☑	C.11: Mandatory IF LL 9/29 "Initiating Periodic Advertising Sync Transfer for Remote Periodic Advertising", otherwise Excluded.	
7/28	Accepting Periodic Advertising Sync Transfer Procedure	[6] 5.1.13	C.12	☑	C.12: Mandatory IF LL 9/27 "Periodic Advertising Sync Transfer: Recipient", otherwise Excluded.	
7/29	Sending Long Control PDUs	[6] 4.5.11	C.13	☑	C.13: Mandatory IF (LL 7/26 "Initiating Periodic Advertising Sync Transfer Procedure for Local Periodic Advertising" OR LL 7/27 "Initiating Periodic Advertising Sync Transfer Procedure for Remote Periodic Advertising" OR LL 9/31 "Connected Isochronous Stream Central"), otherwise Excluded.	
7/30	Receiving Long Control PDUs	[6] 4.5.11	C.14	☑	C.14: Mandatory IF LL 7/28 "Accepting Periodic Advertising Sync Transfer Procedure", otherwise Excluded.	
7/31	Can Change Sleep Clock Accuracy	[6] 4.6.25	C.15	☑	C.15: Mandatory IF LL 9/40 "Can Change Sleep Clock Accuracy", otherwise Excluded.	
7/32	CIG with multiple CISes: Sequential	[7] 4.5.14	C.16	☑	C.16: Mandatory IF LL 7/32a "More than one CIS in a CIG", otherwise Excluded.	
7/33	CIG with multiple CISes: Interleaved	[7] 4.5.14	C.16	☑	C.16: Mandatory IF LL 7/32a "More than one CIS in a CIG", otherwise Excluded.	
7/34	Channel Classification Enable	[1] 4.5.8.1	C.19	☑	C.19: Mandatory IF LL 9/44 "LE Channel Classification", otherwise Excluded.	

**Table 8: Physical Channels**

Item	Capability	Reference	Support	Status	Comment
8/1	General-purpose channels	[1] 1.4.1	C.1	☑	C.1: Mandatory IF LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role" OR LL 1/6 "Isochronous Broadcasting State" OR LL 3/9 "Extended Advertising", otherwise Excluded.
8/2	Primary Advertising channels	[1] 1.4.1	M	☑	
8/3	Support Data channel selection algorithm	[1] 4.5.8	C.2	☑	C.2: Mandatory IF LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role" OR LL 9/10 "Channel Selection Algorithm #2", otherwise Excluded.

**Table 9: Supported Features**

Item	Capability	Reference	Support	Status	Comment
9/1	LE Encryption	[1] 4.6.1	O	☑	
9/2	LE Ping Procedure	[2] 4.6.5	O	☑	
9/3	Connection Parameters Request Procedure	[1] 4.6.2	C.2	☑	C.2: Optional IF LL 9/4 "Extended Reject Indication", otherwise Excluded.
9/4	Extended Reject Indication	[1] 4.6.3	O	☑	

9/5	Peripheral-initiated Features Exchange	[1] 4.6.4	O	☑	
9/6	LE Data Packet Length Extension	[3] 4.6.6	O	☑	
9/6a	Multiple PHYs	[4] 4.6.9	C.6	☑	C.6: Mandatory IF LL 9/7 "LE 2MPHY" OR LL 9/9 "LE Coded PHY", otherwise Excluded.
9/7	LE 2MPHY	[3] 2.1	C.5	☑	C.5: Excluded IF SUMICS 21/14 "Core v4.2", otherwise Optional IF LL 9/4 "Extended Reject Indication", otherwise Excluded.
9/8	Asymmetric Connections	[4] 4.6.9.1	C.7	☑	C.7: Optional IF LL 9/6a "Multiple PHYs", otherwise Excluded.
9/10	Channel Selection Algorithm #2	[4] 4.6.14	C.10	☑	C.10: Excluded IF SUMICS 21/14 "Core v4.2", otherwise Optional.
9/11	LE Power Class 1	[4] 4.6	C.9	☑	C.9: Mandatory IF RFPHY 1/15 "Power Class 1", otherwise Excluded.
9/12	Minimum Number of Used Channels Procedure	[4] 4.6.15	C.10	☑	C.10: Excluded IF SUMICS 21/14 "Core v4.2", otherwise Optional.
9/13	LL Privacy	[4] 4.6.7	O	☑	
9/25	Remote Public Key Validation	[5] 4.6.23, [6] 4.6.26	O	☑	
9/26	Periodic Advertising Sync Transfer: Sender	[6] 4.6.23	C.23	☑	C.23: Excluded IF SUMICS 21/16 "Core v5.0", otherwise Optional IF (LL 3/10 "Periodic Advertising" AND (LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role")), otherwise Excluded.
9/27	Periodic Advertising Sync Transfer: Recipient	[6] 4.6.24	C.22	☑	C.22: Excluded IF SUMICS 21/16 "Core v5.0", otherwise Optional IF (LL 11/1 "Synchronizing to Periodic Advertising" AND (LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role")), otherwise Excluded.
9/28	Initiating Periodic Advertising Sync Transfer for Local Periodic Advertising	[6] 5.1.13	C.21	☑	C.21: Mandatory IF LL 9/26 "Periodic Advertising Sync Transfer: Sender", otherwise Excluded.
9/29	Initiating Periodic Advertising Sync Transfer for Remote Periodic Advertising	[6] 5.1.13	C.21	☑	C.21: Mandatory IF LL 9/26 "Periodic Advertising Sync Transfer: Sender", otherwise Excluded.
9/30	Sleep Clock Accuracy Updates	[6] 4.6.25	C.37	☑	C.37: Excluded IF SUMICS 21/14 "Core v4.2" OR SUMICS 21/16 "Core v5.0", otherwise Optional.
9/31	Connected Isochronous Stream Central	[7] 4.6.27	C.28	☑	C.28: Excluded IF SUMICS 21/18 "Core v5.1", otherwise Optional IF LL 1/5 "Central Role" AND LL 9/4 "Extended Reject Indication" AND LL 9/10 "Channel Selection Algorithm #2" AND LL 9/30 "Sleep Clock Accuracy Updates", otherwise Excluded.
9/32	Connected Isochronous Stream Peripheral	[7] 4.6.27	C.29	☑	C.29: Excluded IF SUMICS 21/18 "Core v5.1", otherwise Optional IF LL 1/4 "Peripheral Role" AND LL 9/4 "Extended Reject Indication" AND LL 9/10 "Channel Selection Algorithm #2" AND LL 9/30 "Sleep Clock Accuracy Updates", otherwise Excluded.
9/33	Isochronous Broadcaster	[7] 4.6.28	C.30	☑	C.30: Excluded IF SUMICS 21/16 "Core v5.0" OR SUMICS 21/18 "Core v5.1", otherwise Optional IF LL 9/42 "Periodic Advertising", otherwise Excluded.
9/34	Synchronized Receiver	[7] 4.6.29	C.30	☑	C.30: Excluded IF SUMICS 21/16 "Core v5.0" OR SUMICS 21/18 "Core v5.1", otherwise Optional IF LL 9/42 "Periodic Advertising", otherwise Excluded.
9/35	ISO Receive Test	[8] 7.8.112, 7.8.113, 7.8.114	C.32	☑	C.32: Mandatory IF LL 9/31 "Connected Isochronous Stream Central" OR LL 9/32 "Connected Isochronous Stream Peripheral" OR LL 9/34 "Synchronized Receiver", otherwise Excluded.
9/36	ISO Transmit Test	[8] 7.8.111, 7.8.114	C.33	☑	C.33: Mandatory IF LL 9/31 "Connected Isochronous Stream Central" OR LL 9/32 "Connected Isochronous Stream Peripheral" OR LL 9/33 "Isochronous Broadcaster", otherwise Excluded.
9/37	LE Power Control Request	[7] 4.6.31	C.34	☑	C.34: Excluded IF SUMICS 21/14 "Core v4.2" OR SUMICS 21/16 "Core v5.0" OR SUMICS 21/18 "Core v5.1", otherwise Optional IF LL 9/4 "Extended Reject Indication", otherwise Excluded.
9/39	LE Path Loss Monitoring	[7] 4.6.32	C.34	☑	C.34: Excluded IF SUMICS 21/14 "Core v4.2" OR SUMICS 21/16 "Core v5.0" OR SUMICS 21/18 "Core v5.1", otherwise Optional IF LL 9/4 "Extended Reject Indication", otherwise Excluded.
9/39a	LE Path Loss Monitoring when the path loss becomes unavailable	[7] 4.6.32	C.43	☑	C.43: Optional IF LL 9/39 "LE Path Loss Monitoring", otherwise Excluded.
9/40	Can Change Sleep Clock Accuracy	[6] 4.6.25	C.37	☑	C.37: Excluded IF SUMICS 21/14 "Core v4.2" OR SUMICS 21/16 "Core v5.0", otherwise Optional.
9/41	Extended Advertising	[6] 4.6.12	C.38	☑	C.38: Excluded IF SUMICS 21/14 "Core v4.2", otherwise Optional IF LL 9/10 "Channel Selection Algorithm #2", otherwise Excluded IF LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role", otherwise Optional.
9/42	Periodic Advertising	[6] 4.6.13	C.39	☑	C.39: Optional IF LL 9/41 "Extended Advertising" AND LL 9/10 "Channel Selection Algorithm #2", otherwise Excluded.

9/43	Periodic Advertising ADI support	[10] 4.6.34	C.40	☑	C.40: Excluded IF SUMICS 21/16 "Core v5.0" OR SUMICS 21/18 "Core v5.1" OR SUMICS 21/20 "Core v5.2", otherwise Optional IF LL 9/42 "Periodic Advertising", otherwise Excluded.
9/44	LE Channel Classification	[10] 4.6.36	C.41	☑	C.41: Excluded IF 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", otherwise Optional.
9/45	Connection Subrating	[10] 4.6.35	C.41	☑	C.41: Excluded IF 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", otherwise Optional.
9/46	BN values greater than 1 in CIS	[7] 4.5.13.1	C.42	☑	C.42: Optional IF (LL 9/31 "Connected Isochronous Stream Central" OR LL 9/32 "Connected Isochronous Stream Peripheral"), otherwise Excluded.
9/47	FT values greater than 1 in CIS	[7] 4.5.13.1	C.42	☑	C.42: Optional IF (LL 9/31 "Connected Isochronous Stream Central" OR LL 9/32 "Connected Isochronous Stream Peripheral"), otherwise Excluded.

**Table 10: Scatternet Capabilities**

Item	Capability	Reference	Support	Status	Comment
10/1	Act as LE Central and LE Peripheral at the same time	[2] 1.1.1	C.1	☑	C.1: Optional IF LL 1/4 "Peripheral Role" AND LL 1/5 "Central Role", otherwise Excluded.
10/2	Act as LE Peripheral to more than one LE Central at the same time.	[2] 1.1.1	C.2	☑	C.2: Optional IF LL 1/4 "Peripheral Role", otherwise Excluded.

**Table 11: Protocol Synchronizing Features**

Prerequisite: LL 1/3a "Synchronized State"

Item	Capability	Reference	Support	Status	Comment
11/1	Synchronizing to Periodic Advertising	[6] 4.4.3.4	C.3	☑	C.3: Mandatory IF LL 4/8 "Scanning for Periodic Advertising", otherwise Excluded.
11/3	Receiving Data on Single Broadcast Isochronous Stream	[7] 4.4.5.2	C.2	☑	C.2: Mandatory IF LL 9/34 "Synchronized Receiver", otherwise Excluded.
11/4	Receiving Data on Multiple Broadcast Isochronous Streams	[7] 4.4.5.2	C.4	☑	C.4: Optional IF LL 9/34 "Synchronized Receiver", otherwise Excluded.

**Table 11a: Synchronized Receiver Features**

Prerequisite: LL 9/34 "Synchronized Receiver"

Item	Capability	Reference	Support	Status	Comment
11a/1	BN values greater than 1	[7] 4.4.6.3	O	☑	
11a/2	Pre-transmission	[7] 4.4.6.3	O	☑	

**Table 12: Protocol Isochronous Broadcasting Features**

Prerequisite: LL 1/6 "Isochronous Broadcasting State"

Item	Capability	Reference	Support	Status	Comment
12/1	Encrypted Broadcast Isochronous Stream	[7] 4.4.6.1, 4.4.6.10	C.1	☑	C.1: Mandatory IF LL 9/1 "LE Encryption", otherwise Excluded.
12/2	Unencrypted Broadcast Isochronous Stream	[7] 4.4.6.1	M	☑	
12/3	Transmitting Data on Multiple Broadcast Isochronous Streams	[7] 4.4.6.3	O	☑	
12/4	BN values greater than 1	[7] 4.4.6.3	O	☑	
12/5	Pre-transmission	[7] 4.4.6.6	O	☑	

## Link Manager Protocol

**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	☑	

**Table 2: Supported Features**

Item	Capability	Reference	Support	Status	Comment
2/1	3-slot packets	[1] 3.3, 4.1.10	O	☑	
2/2	5-slot packets	[1] 3.3, 4.1.10	O	☑	
2/3	Encryption	[1] 3.3, 4.2.5	M	☑	
2/4	Slot offset	[1] 3.3, 4.4.1	O	☑	
2/5	Timing accuracy	[1] 3.3, 4.3.1	O	☑	
2/6	Role switch	[1] 3.3, 4.4.2	C.5	☑	C.5: Optional IF LMP 2/4 "Slot offset", otherwise Excluded.
2/8	Sniff mode	[1] 3.3, 4.5.3	O	☑	
2/10	Power Control	[1] 3.3, 4.1.3, [2] 3	C.1	☑	C.1: Mandatory IF RF 1/1 "Power Class 1", otherwise Optional.
2/11	Channel quality driven data rate	[1] 3.3, 4.1.7	O	☑	
2/12	SCO link	[1] 3.3, 4.6.1	O	☑	
2/13	RSSI	[1] 3.3	O	☑	
2/13a	Power Control Requests	[1] 3.3, 4.1.3	O	☑	
2/14	Broadcast encryption	[1] 3.3, 4.2.5	C.18	☑	C.18: Excluded IF LMP 2/28 "Coarse Clock Adjustment", otherwise Optional.
2/15	eSCO link	[1] 4.6.2	O	☑	
2/17	Enhanced Data Rate ACL (2 Mb/s mode)	[3] 6.5.4, [1] 3.3	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 LMP 2/17a "Enhanced Data Rate ACL (3 Mb/s mode)" OR BB 5a/1 "2-DH1 packet type", otherwise Excluded.
2/17a	Enhanced Data Rate ACL (3 Mb/s mode)	[3] 1, 6.5.4, [1] 3.3	C.19	☑	C.19: Mandatory IF BB 5a/4 "3-DH1 packet type", otherwise Excluded.
2/18	Enhanced Data Rate eSCO (2 Mb/s mode)	[3] 6.5.3, [1] 3.3	C.3	☑	C.3: 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", otherwise Excluded.
2/18a	Enhanced Data Rate eSCO (3 Mb/s mode)	[3] 1, 6.5.3, [1] 3.3	C.20	☑	C.20: Mandatory IF BB 6a/3 "3-EV3 packet type", otherwise Excluded.
2/19a	Simple Pairing Updates	[6], [7] 4.2.7.4	M	☑	
2/19b	Secure Simple Pairing (Controller Support)	[1] 4.2.7	M	☑	
2/20	Enhanced Power Control	[1] 3.3, 4.1.3.1	C.6	☑	C.6: Optional IF LMP 2/10 "Power Control" AND LMP 2/13a "Power Control Requests", otherwise Excluded.
2/22	LE Supported (Controller)	[1] 3.3	O	☑	
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)", otherwise Excluded.
2/26	Secure Connections (Controller Support)	[4] 3.3	C.9	☑	C.9: Optional IF LMP 2/27 "Ping" AND LMP 6/10 "Encryption Pause/Resume", otherwise Excluded.
2/26a	Secure Connections (Host Support)	[1] 3.3	C.17	☑	C.17: Optional IF LMP 2/26 "Secure Connections (Controller Support)", otherwise Excluded.
2/27	Ping	[4] 3.3, 4.1.13	O	☑	
2/30	Paging Parameter Negotiation	[1] 4.1.9	O	☑	

**Table 3: Authentication**

Item	Capability	Reference	Support	Status	Comment
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.
4/5	Use variable PIN	[1] 4.2.2.2	C.1	☑	C.1: Mandatory to support at least one.
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"), otherwise Optional.
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	☑	
5/8	Support for 7 bytes or longer encryption key size	[1] 4.2.5.2	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	☑	
6/11	AES CCM Encryption	[4] 4.2.5	C.3	☑	C.3: Mandatory IF LMP 2/26 "Secure Connections (Controller Support)", otherwise Excluded.

**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	<input checked="" type="checkbox"/>	C.1: Mandatory IF LMP 13/1 "Request role switch", 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	<input checked="" type="checkbox"/>	
9/2	Respond to timing accuracy information requests	[1] 4.3.1	M	<input checked="" type="checkbox"/>	

**Table 10: LM Version Information**

Item	Capability	Reference	Support	Status	Comment
10/1	Request LM version information	[1] 4.3.3	O	<input checked="" type="checkbox"/>	
10/2	Respond to LM version information requests	[1] 4.3.3	M	<input checked="" type="checkbox"/>	

**Table 11: Feature Support**

Item	Capability	Reference	Support	Status	Comment
11/1	Request supported features	[1] 4.3.4	M	<input checked="" type="checkbox"/>	
11/2	Respond to supported features requests	[1] 4.3.4	M	<input checked="" type="checkbox"/>	
11/3	Request extended features mask	[1] 4.3.4	C.2	<input checked="" type="checkbox"/>	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.
11/4	Respond to extended features Request	[1] 4.3.4	C.2	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	
12/2	Respond to name requests	[1] 4.3.5	M	<input checked="" type="checkbox"/>	

**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	<input checked="" type="checkbox"/>	
13/2	Accept role switch requests	[1] 4.4.2	M	<input checked="" type="checkbox"/>	

**Table 14: Detach**

Item	Capability	Reference	Support	Status	Comment
14/1	Detach connection	[1] 4.1.2	M	<input checked="" type="checkbox"/>	

**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	<input checked="" type="checkbox"/>	C.1: Mandatory IF LMP 2/17 "Enhanced Data Rate ACL (2 Mb/s mode)", otherwise Excluded.
14a/2	Exit Enhanced Data Rate	[1] 4.1.11	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF LMP 2/17 "Enhanced Data Rate ACL (2 Mb/s mode)", 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 Rate Packets	[1]4.6.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF LMP 2/18 "Enhanced Data Rate eSCO (2 Mb/s mode)", otherwise Excluded.

**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
16/2	Request sniff mode	[1]4.5.3, 4.5.3.2	O	<input checked="" type="checkbox"/>	
16/3	Respond to sniff mode requests (renegotiate or reject)	[1]4.5.3.2	M	<input checked="" type="checkbox"/>	
16/5	Request un-sniff	[1]4.5.3.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF LMP 16/2 "Request sniff mode", otherwise Optional.
16/6	Accept un-sniff requests	[1]4.5.3.2	M	<input checked="" type="checkbox"/>	
16/7	Sniff Subrating Mode	[1]4.5.3.2	M	<input checked="" type="checkbox"/>	

**Table 18: Power Control**

Item	Capability	Reference	Support	Status	Comment
18/1	Request to Increase Power	[1]4.1.3	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF LMP 2/13a "Power Control Requests", otherwise Excluded.
18/2	Request to Decrease Power	[1]4.1.3	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF LMP 2/13a "Power Control Requests", otherwise Excluded.
18/3	Respond when max power reached	[1]4.1.3	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory IF LMP 2/10 "Power Control", otherwise Excluded.
18/4	Respond when min power reached	[1]4.1.3	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory IF LMP 2/10 "Power Control", otherwise Excluded.
18/5	Request to increment power a single step	[1]4.1.3.1.1	C.3	<input checked="" type="checkbox"/>	C.3: Mandatory IF LMP 2/20 "Enhanced Power Control", otherwise Excluded.
18/6	Request to decrease power a single step	[1]4.1.3.1.1	C.3	<input checked="" type="checkbox"/>	C.3: Mandatory IF LMP 2/20 "Enhanced Power Control", otherwise Excluded.
18/7	Request to go to max power	[1]4.1.3.1.1	C.3	<input checked="" type="checkbox"/>	C.3: Mandatory IF LMP 2/20 "Enhanced Power Control", otherwise Excluded.
18/8	Respond to increment power a single step	[1]4.1.3.1.2	C.3	<input checked="" type="checkbox"/>	C.3: Mandatory IF LMP 2/20 "Enhanced Power Control", otherwise Excluded.
18/9	Respond to decrease power a single step	[1]4.1.3.1.2	C.3	<input checked="" type="checkbox"/>	C.3: Mandatory IF LMP 2/20 "Enhanced Power Control", otherwise Excluded.
18/10	Respond to go to max power	[1]4.1.3.1.2	C.3	<input checked="" type="checkbox"/>	C.3: Mandatory IF LMP 2/20 "Enhanced Power Control", 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	<input checked="" type="checkbox"/>	
19/2	Accept link supervision timeout setting	[1]4.1.6	M	<input checked="" type="checkbox"/>	

**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	<input checked="" type="checkbox"/>	C.1: Mandatory IF LMP 2/11 "Channel quality driven data rate", otherwise Optional.
20/2	Force/Request change of Quality of Service	[1]4.1.8, 4.1.8.1	M	<input checked="" type="checkbox"/>	
20/3	Request change of Quality of Service	[1]4.1.8, 4.1.8.2	M	<input checked="" type="checkbox"/>	

**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 2/1 "Initiate SCO links, as Central", otherwise Optional.
21/5	Remove SCO links, as Peripheral	[1] 4.6.1, 4.6.1.5	C.2	☑	C.2: Mandatory IF LMP 2/2 "Initiate SCO links, as Peripheral", 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 2/1 "Initiate SCO links, as Central" OR LMP 2/3 "Accept SCO links", 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 2/2 "Initiate SCO links, as Peripheral" OR LMP 2/3 "Accept SCO links", 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", 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", 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", otherwise Optional.

**Table 23: Paging Scheme**

Prerequisite: LMP 2/30 "Paging Parameter Negotiation"

Item	Capability	Reference	Support	Status	Comment
23/1	Request page mode to use	[1] 4.1.9, 4.1.9.1	M	☑	
23/2	Accept suggested page mode	[1] 4.1.9, 4.1.9.1	M	☑	
23/3	Request page scan mode to use	[1] 4.1.9, 4.1.9.2	M	☑	
23/4	Accept suggested page scan mode	[1] 4.1.9, 4.1.9.2	M	☑	

**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	<input checked="" type="checkbox"/>	
26/4	Support of Channel Classification reporting as Peripheral	[1]4.1.5	C.2	<input checked="" type="checkbox"/>	C.2: Optional IF LMP 26/2 "Support of AFH switch as Peripheral", otherwise Excluded.
26/4a	Support of Channel Classification reporting as Central	[1]4.1.5	C.4	<input checked="" type="checkbox"/>	C.4: Optional IF LMP 26/1 "Support of AFH switch as Central", otherwise Excluded.
26/5	Support channel classification from host	[1]4.1.5	C.3	<input checked="" type="checkbox"/>	C.3: Mandatory IF LMP 26/1 "Support of AFH switch as Central" OR LMP 26/4 "Support of Channel Classification reporting as Peripheral", otherwise Optional.
26/6	Support of Channel Classification	[1]4.1.5	O	<input checked="" type="checkbox"/>	

**Table 27: Ping**

Prerequisite: LMP 2/27 "Ping"

Item	Capability	Reference	Support	Status	Comment
27/1	Initiate LMP Ping	[4]4.1.13	O	<input checked="" type="checkbox"/>	
27/2	Respond to LMP Ping	[4]4.1.13	M	<input checked="" type="checkbox"/>	

**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	<input checked="" type="checkbox"/>	C.5: Mandatory to support at least one of RF 1/1 "Power Class 1" OR RF 1/2 "Power Class 2" OR RF 1/3 "Power Class 3".
1/4	Power Control	[1]3	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF RF 1/1 "Power Class 1", otherwise Optional IF RF 1/2 "Power Class 2" OR RF 1/3 "Power Class 3", otherwise Excluded.
1/5	1-slot packets supported	[2]6.5	M	<input checked="" type="checkbox"/>	
1/6	3-slot packets supported	[2]6.5	O	<input checked="" type="checkbox"/>	
1/7	5-slot packets supported	[2]6.5	O	<input checked="" type="checkbox"/>	
1/8	79 Channels	[1]2	M	<input checked="" type="checkbox"/>	
1/9	Support for GFSK modulation	[1]3.1	M	<input checked="" type="checkbox"/>	
1/10	Support for p4-DQPSK modulation	[1]3.2	C.2	<input checked="" type="checkbox"/>	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 22/4 "EDR for synchronous transports (Core 3.0 or later)", otherwise Excluded.
1/11	Support for 8DPSK modulation	[1]3.2	C.3	<input checked="" type="checkbox"/>	C.3: Mandatory IF SUMICS 22/1 "EDR for asynchronous transports (single slot)" OR SUMICS 22/2 "EDR for asynchronous transports (multi-slot)", otherwise Optional IF SUMICS 22/4 "EDR for synchronous transports (Core 3.0 or later)", otherwise Excluded.
1/12	Enhanced Power Control	[1]3	C.4	<input checked="" type="checkbox"/>	C.4: Optional IF RF 1/4 "Power Control", otherwise Excluded.

## RFCOMM

**Table 0: Major Versions (X.Y)**

Item	Capability	Reference	Support	Status	Comment
0/2	RFCOMM v1.2 with	[1]	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support one and only one of RFCOMM 0/1 "RFCOMM v1.1 with TS 07.10" OR

**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 Initialization 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 of 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 RFCOMMSession", 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 RFCOMMSession", 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	☑	
1/16	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 RFCOMMSession", otherwise Optional.
1/18	Send Non-Supported Command (NSC) response	[1] 4.3	C.4	☑	C.4: Mandatory IF RFCOMM 0/2 "RFCOMM v1.2 with TS 07.10", 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
1/1	LE Transmitter	[1] 3	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.
1/2	LE Receiver	[1] 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.
1/3	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", otherwise Optional.

**Table 2: Bluetooth LE Test Interface Capabilities**

Item	Capability	Reference	Support	Status	Comment
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2/1	HCI Test Interface	[2]2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one of RFPHY 2/1 "HCI Test Interface" OR RFPHY 2/2 "UART Test Interface".
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## Service Discovery Protocol

**Table 1b: Role Requirements**

Item	Capability	Reference	Support	Status	Comment
1b/1	Server	[1]2.1	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one of SDP 1b/1 "Server" OR SDP 1b/2 "Client".
1b/2	Client	[1]2.1	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one of SDP 1b/1 "Server" OR SDP 1b/2 "Client".

**Table 1: Support Different Size Capabilities on UUID**

Prerequisite: SDP 1b/1 "Server"

Item	Capability	Reference	Support	Status	Comment
1/1	128 bit UUID	[1]2.5.1	M	<input checked="" type="checkbox"/>	
1/2	32 bit UUID	[1]2.5.1	M	<input checked="" type="checkbox"/>	
1/3	16 bit UUID	[1]2.5.1	M	<input checked="" type="checkbox"/>	

**Table 2: Service Search Request**

Prerequisite: SDP 1b/1 "Server"

Item	Capability	Reference	Support	Status	Comment
2/1	Service Search Response	[1]4.5.2	M	<input checked="" type="checkbox"/>	
2/2	Generates continuation state in Service Search Response	[1]4.3, 4.5.2	O	<input checked="" type="checkbox"/>	

**Table 3: Error Response to Invalid Service Search Request**

Prerequisite: SDP 1b/1 "Server"

Item	Capability	Reference	Support	Status	Comment
3/1	Error response to Service Search Request	[1]4.4	M	<input checked="" type="checkbox"/>	

**Table 4: Service Attribute Request**

Prerequisite: SDP 1b/1 "Server"

Item	Capability	Reference	Support	Status	Comment
4/1	Service Attribute Response	[1]4.6.2	M	<input checked="" type="checkbox"/>	
4/2	Generates continuation state in Service Attribute Response	[1]4.3, 4.6.2	O	<input checked="" type="checkbox"/>	
4/3	Service Attribute Response with AdditionalProtocolDescriptorList attribute	[1]4.5.2, 5.1.6	O	<input checked="" type="checkbox"/>	

**Table 5: Error Response to Invalid Service Attribute Request**

Prerequisite: SDP 1b/1 "Server"

Item	Capability	Reference	Support	Status	Comment
5/1	Error response to Service Attribute Request	[1]4.4	M	<input checked="" type="checkbox"/>	

**Table 6: Service Search Attribute Request**

Prerequisite: SDP 1b/1 "Server"

Item	Capability	Reference	Support	Status	Comment
6/1	Service Search Attribute Response	[1]4.7.2	M	<input checked="" type="checkbox"/>	
6/2	Generates continuation state in Service Search Attribute Response	[1]4.3, 4.7.2	O	<input checked="" type="checkbox"/>	
6/3	Service Search Attribute Response with AdditionalProtocolDescriptorList attribute	[1]4.7.2, 5.1.6	O	<input checked="" type="checkbox"/>	

**Table 7: Invalid Service Search Attribute Request**

Prerequisite: SDP 1b/1 "Server"

Item	Capability	Reference	Support	Status	Comment
7/1	Error response to Service Search Attribute Request	[1]4.4	M	<input checked="" type="checkbox"/>	

**Table 8: Service Browsing**

Prerequisite: SDP 1b/1 "Server"

Item	Capability	Reference	Support	Status	Comment
8/1	Browsing, using SDP_ServiceSearchRequest and SDP_ServiceAttributeRequest	[1] 2.6, 4.5, 4.6	O	<input checked="" type="checkbox"/>	
8/2	Browsing, using SDP_ServiceSearchAttributeRequest	[1] 2.6, 4.7	O	<input checked="" type="checkbox"/>	

**Table 9: Attributes Present in IUT**

Prerequisite: SDP 1b/1 "Server"

Item	Capability	Reference	Support	Status	Comment
9/1	ServiceID	[1] 5.1.4	O	<input checked="" type="checkbox"/>	
9/2	ProtocolDescriptorList	[1] 5.1.5	O	<input checked="" type="checkbox"/>	
9/3	ServiceRecordState	[1] 5.1.3	O	<input checked="" type="checkbox"/>	
9/5	BrowseGroupList	[1] 5.1.7	O	<input checked="" type="checkbox"/>	
9/6	LanguageBaseAttributeIdList	[1] 5.1.8	O	<input checked="" type="checkbox"/>	
9/9	ServiceName	[1] 5.1.15	O	<input checked="" type="checkbox"/>	
9/11	ProviderName	[1] 5.1.17	O	<input checked="" type="checkbox"/>	
9/12	VersionNumberList	[1] 5.2.3	O	<input checked="" type="checkbox"/>	
9/14	BluetoothProfileDescriptorList	[1] 5.1.11	O	<input checked="" type="checkbox"/>	
9/17	AdditionalProtocolDescriptorList	[1] 5.1.6	C.1	<input checked="" type="checkbox"/>	C.1: Optional IF SDP 9/2 "ProtocolDescriptorList", otherwise Excluded.
9/18	ServiceRecordHandle	[1] 5.1.1	M	<input checked="" type="checkbox"/>	
9/19	ServiceClassIDList	[1] 5.1.2	M	<input checked="" type="checkbox"/>	

## Security Manager Protocol

**Table 1: Role Requirements**

Item	Capability	Reference	Support	Status	Comment
1/1	Central Role (Initiator)	[1] 2.4	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one of SM 1/1 "Central Role (Initiator)" OR SM 1/2 "Peripheral Role (Responder)".
1/2	Peripheral Role (Responder)	[1] 2.4	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one of SM 1/1 "Central Role (Initiator)" OR SM 1/2 "Peripheral Role (Responder)".

**Table 2: Security Properties**

Item	Capability	Reference	Support	Status	Comment
2/1	Authenticated MTM protection	[1] 2.3.1	O	<input checked="" type="checkbox"/>	
2/2	Unauthenticated no MTM protection	[1] 2.3.1	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF SM 2/1 "Authenticated MTM protection", otherwise Optional.
2/3	No security requirements	[1] 2.3.1	M	<input checked="" type="checkbox"/>	
2/4	OOB supported	[1] 2.3.1	O	<input checked="" type="checkbox"/>	
2/5	LE Secure Connections	[2] 2.3.1	O	<input checked="" type="checkbox"/>	

**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	<input checked="" type="checkbox"/>	

**Table 4: Pairing Method**

Item	Capability	Reference	Support	Status	Comment
4/1	Just	[1] 2.3.5	O		

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4/2	Passkey Entry	[1]2.3.5	C.1		C.1: Mandatory to support at least one of SM4/2 "Passkey Entry" OR SM4/3 "Out of Band" IF SM2/1 "Authenticated MITM protection", otherwise Excluded.
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**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 MITM protection" OR SM2/2 "Unauthenticated no MITM protection" OR SM2/4 "OOB 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 SM1/2 "Peripheral Role (Responder)", otherwise Excluded.
5/4	Peripheral Initiated Security – Central response	[1]2.4.6	C.2		C.2: Mandatory IF SM1/1 "Central Role (Initiator)", otherwise Excluded.
5/5	CT2 bit	[3]2.4.2.4, 3.5.2	C.4		C.4: Excluded IF NOT SM8a/1 "Cross Transport Key Derivation Supported" AND NOT SM8b/1 "Cross Transport Key Derivation Supported"; otherwise Mandatory IF NOT SUMICS 31/17 "Core v4.2" AND NOT SUMICS 31/18 "Core v4.2+HS", otherwise Optional.

**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 7a: Key Distribution by Central**

Prerequisite: SM 1/1 "Central Role (Initiator)"

Item	Capability	Reference	Support	Status	Comment
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**Table 7b: Key Distribution by Peripheral**

Prerequisite: SM 1/2 "Peripheral Role (Responder)"

Item	Capability	Reference	Support	Status	Comment
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**Table 8a: Cross-Transport Key Derivation by Central**

Prerequisite: SM 1/1 "Central Role (Initiator)"

Item	Capability	Reference	Support	Status	Comment
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**Table 8b: Cross-Transport Key Derivation by Peripheral**

Prerequisite: SM 1/2 "Peripheral Role (Responder)"

Item	Capability	Reference	Support	Status	Comment
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**Serial Port Profile**

**Table 0: Major Versions (X.Y)**

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

**Table 1: Role Requirements**

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

**Table 2: Serial Port Service Support**

Item	Capability	Reference	Support	Status	Comment
2/1	Support of SPP as a standalone profile	[1] 1.2	O	☑	
2/1a	SPP as a standalone profile – Device A (DevA)	[1] 1.2	C.2, C.3	☑	C.2: Mandatory to support at least one of SPP 2/1a "SPP as a standalone profile – Device A (DevA)" OR SPP 2/1b "SPP as a standalone profile – Device B (DevB)" IF SPP 2/1 "Support of SPP as a standalone profile" is supported, otherwise Excluded. C.3: Optional IF SPP 1/1 "Device A (DevA)" is supported, otherwise Excluded.
2/1b	SPP as a standalone profile – Device B (DevB)	[1] 1.2	C.2, C.4	☑	C.2: Mandatory to support at least one of SPP 2/1a "SPP as a standalone profile – Device A (DevA)" OR SPP 2/1b "SPP as a standalone profile – Device B (DevB)" IF SPP 2/1 "Support of SPP as a standalone profile" is supported, otherwise Excluded. C.4: Optional IF SPP 1/2 "Device B (DevB)" is supported, otherwise Excluded.

**Table 3: Application Procedures**

Item	Capability	Reference	Support	Status	Comment
3/1	Establish link and set up virtual serial connection	[1] 3.1	C.1	☑	C.1: Mandatory IF SPP 1/1 "Device A (DevA)" is supported, otherwise Optional.
3/2	Accept link and virtual serial connection establishment	[1] 3.1	C.2	☑	C.2: Mandatory IF SPP 1/2 "Device B (DevB)" is supported, otherwise Optional.
3/3	Register Service record for application in local SDP database	[1] 3.1	C.3	☑	C.3: Mandatory IF SPP 2/1b "SPP as a standalone profile – Device B (DevB)" is supported, otherwise Optional.
3/4	No release in Sniff mode. Sniff mode enabled in the Link Manager	[1] 3.2	O	☑	
3/7	No release after Master/Slave switch. M/S switch enabled in the Link manager	[1] 2.4	O	☑	

**Table 4: SDP Dependencies**

Prerequisite: SPP 2/1b "SPP as a standalone profile – Device B (DevB)"

Item	Capability	Reference	Support	Status	Comment
4/1	ServiceClassIDList	[1] 6.1	M	☑	
4/2	ProtocolDescriptorList	[1] 6.1	M	☑	
4/5	ServiceName	[1] 6.1	O	☑	
4/6	BluetoothProfileDescriptorList	[1] 6.1	M	☑	