



Project Details

Project Name	522GW (NBDVR522GW)																																																						
Product Type	End Product																																																						
TCRL Version:	TCRL 2018-1																																																						
Referenced Qualified Design(s)																																																							
Previously Qualified Design Used in this Qualification(s)	80065 86295																																																						
Listing Date	2019-01-14																																																						
Declaration ID	D043094																																																						
Product Listing(s)	<table><thead><tr><th>Name</th><th>Website</th><th>Category</th><th>Publish Date</th><th>Model Number</th><th>Description</th></tr></thead><tbody><tr><td>Nextbase 522GW</td><td></td><td>Automotive</td><td>1/14/2019 12:00:00 AM</td><td>NBDVR522GW</td><td>Dash Cam</td></tr><tr><td>Nextbase 522GW</td><td></td><td>Automotive</td><td>1/14/2019 12:00:00 AM</td><td>VDVR522G</td><td>Dash Cam</td></tr><tr><td>Nextbase 522GW</td><td></td><td>Automotive</td><td>1/14/2019 12:00:00 AM</td><td>VDVR522GW</td><td>Dash Cam</td></tr><tr><td>Nextbase 522GW</td><td></td><td>Automotive</td><td>1/14/2019 12:00:00 AM</td><td>FE-NBDVR522G</td><td>Dash Cam</td></tr><tr><td>Nextbase 522GW</td><td></td><td>Automotive</td><td>1/14/2019 12:00:00 AM</td><td>FE-NBDVR522GW</td><td>Dash Cam</td></tr><tr><td>Nextbase 522GW</td><td></td><td>Automotive</td><td>1/14/2019 12:00:00 AM</td><td>FE-VDVR522G</td><td>Dash Cam</td></tr><tr><td>Nextbase 522GW</td><td></td><td>Automotive</td><td>1/14/2019 12:00:00 AM</td><td>FE-VDVR522GW</td><td>Dash Cam</td></tr><tr><td>Nextbase 522GW</td><td></td><td>Automotive</td><td>1/14/2019 12:00:00 AM</td><td>NBDVR522G</td><td>Dash Cam</td></tr></tbody></table>	Name	Website	Category	Publish Date	Model Number	Description	Nextbase 522GW		Automotive	1/14/2019 12:00:00 AM	NBDVR522GW	Dash Cam	Nextbase 522GW		Automotive	1/14/2019 12:00:00 AM	VDVR522G	Dash Cam	Nextbase 522GW		Automotive	1/14/2019 12:00:00 AM	VDVR522GW	Dash Cam	Nextbase 522GW		Automotive	1/14/2019 12:00:00 AM	FE-NBDVR522G	Dash Cam	Nextbase 522GW		Automotive	1/14/2019 12:00:00 AM	FE-NBDVR522GW	Dash Cam	Nextbase 522GW		Automotive	1/14/2019 12:00:00 AM	FE-VDVR522G	Dash Cam	Nextbase 522GW		Automotive	1/14/2019 12:00:00 AM	FE-VDVR522GW	Dash Cam	Nextbase 522GW		Automotive	1/14/2019 12:00:00 AM	NBDVR522G	Dash Cam
Name	Website	Category	Publish Date	Model Number	Description																																																		
Nextbase 522GW		Automotive	1/14/2019 12:00:00 AM	NBDVR522GW	Dash Cam																																																		
Nextbase 522GW		Automotive	1/14/2019 12:00:00 AM	VDVR522G	Dash Cam																																																		
Nextbase 522GW		Automotive	1/14/2019 12:00:00 AM	VDVR522GW	Dash Cam																																																		
Nextbase 522GW		Automotive	1/14/2019 12:00:00 AM	FE-NBDVR522G	Dash Cam																																																		
Nextbase 522GW		Automotive	1/14/2019 12:00:00 AM	FE-NBDVR522GW	Dash Cam																																																		
Nextbase 522GW		Automotive	1/14/2019 12:00:00 AM	FE-VDVR522G	Dash Cam																																																		
Nextbase 522GW		Automotive	1/14/2019 12:00:00 AM	FE-VDVR522GW	Dash Cam																																																		
Nextbase 522GW		Automotive	1/14/2019 12:00:00 AM	NBDVR522G	Dash Cam																																																		

Member Company	Shenzhen Samoon Technology Co.,Ltd												
Declaring Member Contact / Listing Contact Person	<table><tr><td>Name</td><td></td></tr><tr><td>Address</td><td></td></tr><tr><td>City</td><td></td></tr><tr><td>State</td><td></td></tr><tr><td>Country</td><td></td></tr><tr><td>Postal Code</td><td></td></tr></table>	Name		Address		City		State		Country		Postal Code	
Name													
Address													
City													
State													
Country													
Postal Code													

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

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

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

Signature:

Zhu Wiley

BLUETOOTH[®] LAUNCH STUDIO TERMS OF USE

Effective Date: November 10th, 2017.

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

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

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

1. MEMBERSHIP ACCOUNT REQUIREMENT.

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

2. BLUETOOTH QUALIFICATION PROCESS.

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

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

3. REPRESENTATIONS AND ACKNOWLEDGEMENTS.

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

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

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

4. FEES AND PAYMENT TERMS.

(a) Bluetooth SIG may charge you fees in connection with your use of the Launch Studio Tool and Submissions (e.g., for declaration IDs, etc.). The type and amount of fees may change at any time. You agree that Member will pay all fees required by Bluetooth SIG in accordance with the instructions provided within the Launch Studio Tool. Bluetooth SIG may accept credit card payments or, if offered within the Launch Studio Tool, may permit you to pay fees offline. If you choose to pay offline, you will pay the invoice issued to you by Bluetooth SIG, according to the terms stated in the invoice. If you provide credit card payment information, you agree that Bluetooth SIG or its third party payment processor may charge your credit card immediately. You acknowledge that, until Bluetooth SIG has processed your payment and received the funds: you will not be entitled to receive or be permitted to use any item purchased (e.g., declaration ID). Except as set forth in Section 4(c) below, all sales are final and all payments are non-refundable.

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

(c) If you have purchased declaration IDs and have not used them and you would like to request a refund, you may click this [contact us](#) link and submit a request to return the declaration IDs. All refunds processed by Bluetooth SIG will be made less a 10% processing fee. Declaration IDs purchased from Bluetooth SIG are non-transferable and may not be transferred to another member.

5. CONFIDENTIALITY OF SUBMISSIONS.

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

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

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

6. RECORD KEEPING AND AUDIT.

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

7. ADDITIONAL DISCLAIMERS.

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

Appendix A

Summary ICS

Table 21: Controller Configuration Specification Version

Item	Capability	System Spec Reference	Support	Status	Comment
21/14	Core Specification Version 4.2, Adopted 02 December 2014	Core 4.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support only one Controller Core Specification Version.
21/17	Core Erratum 10734 Pairing Updates	Erratum 10734	C.7	<input checked="" type="checkbox"/>	C.7: Excluded IF (21/3 "Core 2.0" OR 21/4 "Core 2.0 + EDR") is supported, otherwise Mandatory.

Table 22: EDR Features

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

Item	Capability	System Spec Reference	Support	Status	Comment
22/1	EDR for asynchronous transports (single slot)	Core 2.0+EDR and later	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one if +EDR (21/4 or 21/6) is supported; Mandatory to support at least one if +HS (41/1 or 41/2) is supported, otherwise Optional
22/2	EDR for asynchronous transports (multi-slot)	Core 2.0+EDR and later	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one if +EDR (21/4 or 21/6) is supported; Mandatory to support at least one if +HS (41/1 or 41/2) is supported, otherwise Optional
22/4	EDR for synchronous transports (Core 3.0 or later)	CSA1 and 3.0+HS or later	C.1/C.2	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one if +EDR (21/4 or 21/6) is supported; Mandatory to support at least one if +HS (41/1 or 41/2) is supported, otherwise Optional C.2: Optional if CSA1 or later is supported, otherwise Excluded.

Table 24: BR/EDR Controller Electrical Interfaces

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 31: Host Configuration Specification Version

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

Table 33: Core Host Electrical Interfaces

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 34: LE Host Specification Parts

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

Table 41: AMP Controller Specification Version

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

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 42: AMP Controller Specification Parts

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 43: AMP Controller Electrical Interfaces

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 51: Low Energy Controller Configuration

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

Item	Capability	System Spec Reference	Support	Status	Comment
51/1	Low Energy Controller	Core 4.0	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if PROD 2/4 or 2/5 or 2/6 is supported, otherwise Excluded.

Table 52: Low Energy Host Core Specification

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

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

Product Type

Table 1: Product Types

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

Table 2: Controller Core Configuration

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

Item	Capability	System Spec Reference	Support	Status	Comment
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

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

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

Radio

Table 1: RF Capabilities

Item	Capability	System Spec Reference	Support	Status	Comment
1/1	Power Class = 1	RF, 3	C.5	<input checked="" type="checkbox"/>	C.5: At least one of 1/1 (Power Class 1) OR 1/2 (Power Class 2) OR 1/3 (Power Class 3) shall be supported.
1/4	Power Control	RF, 3	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if 1/1 is supported, otherwise Optional.
1/5	1-slot packets supported	BB, 6.5	M	<input checked="" type="checkbox"/>	
1/6	3-slot packets supported	BB, 6.5	O	<input checked="" type="checkbox"/>	
1/7	5-slot packets supported	BB, 6.5	O	<input checked="" type="checkbox"/>	
1/8	79 Channels	RF, 2	M	<input checked="" type="checkbox"/>	
1/9	Support for GFSK modulation	RF, 3.1	M	<input checked="" type="checkbox"/>	
1/10	Support for pi/4-DQPSK modulation	RF, 3.2	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory if (SUMICS 22/1 or 22/2 or 22/3 or 22/4) is supported, otherwise Excluded.
1/11	Support for 8DPSK modulation	RF, 3.3	C.3	<input checked="" type="checkbox"/>	C.3: Mandatory if (SUMICS 22/1 or 22/2 or 22/3) is supported; Optional if (SUMICS 22/4) is supported, otherwise Excluded.
1/12	Enhanced Power Control	RF, 3	C.4	<input checked="" type="checkbox"/>	C.4: Optional if Core Specification 3.0 or later and 1/4 is supported, otherwise Excluded.

Baseband Conformance

Table 1: Physical Channel

Item	Capability	System Spec Reference	Support	Status	Comment
1/1	Frequency band and 79 RF channels	BB, 2.1	M	☑	
1/2	Adaptive Frequency Hopping Kernel	BB, 2.6	M	☑	

Table 1a: Modulation Schemes

Item	Capability	System Spec Reference	Support	Status	Comment
1a/1	Basic Data Rate, 1 Mbps payload data rate	RF, 3.1	M	☑	
1a/2	Enhanced Data Rate, 2 Mbps payload data rate	RF, 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 22/3 "EDR for synchronous transports" OR SUMICS 22/4 "EDR for synchronous transports, CSA1 and 3.0+HS or later") is supported, otherwise Optional.
1a/3	Enhanced Data Rate, 3 Mbps payload data rate	RF, 3.2	C.2	☑	C.2: Mandatory IF (SUMICS 22/1 ("EDR for asynchronous transports (single slot)" OR SUMICS 22/2 ("EDR for asynchronous transports (multi-slot)" OR SUMICS 22/3 ("EDR for synchronous transports")) is supported; Optional IF BB 1a/2 "Enhanced Data Rate, 2 Mbps payload data rate" is supported, otherwise Excluded.

Table 2: Link Types

Item	Capability	System Spec Reference	Support	Status	Comment
2/1	ACL link	BB, 5.2	M	☑	
2/2	SCO link	BB, 5.4	O	☑	
2/3	eSCO link	BB, 4.3	O	☑	
2/4	Enhanced Data Rate ACL links	BB, 6.5.4	C.1	☑	C.1: Mandatory if (SUMICS 22/1 or 22/2) is supported, otherwise Optional.
2/5	Enhanced Data Rate eSCO links	BB, 6.5.3	C.2	☑	C.2: Mandatory if (SUMICS 22/3 or 22/4) is supported otherwise Excluded.
2/7	ACL with AES-CCM and MC	[4] 8.3.2	C.4	☑	C.4: Mandatory if LMP 2/26 is supported, otherwise Excluded.
2/8	eSCO with AES-CCM	[4] 8.3.1	C.5	☑	C.5: Mandatory if LMP 2/26 and BB 2/3 is supported, otherwise Excluded.

Table 3: SCO Link Support

Item	Capability	System Spec Reference	Support	Status	Comment	Value
3/1	SCO links to same Slave	BB, 4.3	C.1	☑	C.1: Mandatory to support at least one SCO link type if BB 2/2 is supported.	
3/2	SCO links to different Slaves	BB, 4.3	C.3	☑	C.3: Optional if BB 2/2 is supported, otherwise Excluded.	
3/3	SCO links from same Master	BB, 4.3	C.1	☑	C.1: Mandatory to support at least one SCO link type if BB 2/2 is supported.	
3/4	SCO links from different Masters	BB, 4.3	C.3	☑	C.3: Optional if BB 2/2 is supported, otherwise Excluded.	
3/5	eSCO links to same Slave	BB, 4.2	C.2	☑	C.2: Mandatory to support at least one eSCO link type if BB 2/3 is supported.	
3/6	eSCO links to different Slaves	BB, 4.2	C.4	☑	C.4: Optional if BB 2/3 is supported, otherwise Excluded.	
3/7	eSCO links from same Master	BB, 4.2	C.2	☑	C.2: Mandatory to support at least one eSCO link type if BB 2/3 is supported.	
3/8	eSCO links from different Masters	BB, 4.2	C.4	☑	C.4: Optional if BB 2/3 is supported, otherwise Excluded.	

Table 3a: Profile Broadcast Data Link Support

Prerequisite: BB 2/6

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 4: Common Packet Types

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

Table 5: ACL Packet Types

Item	Capability	System Spec Reference	Support	Status	Comment
5/1	DH1 packet type	BB, 6.5.4 BB,6.5.4.2	M	☑	
5/2	DM3 packet type	BB, 6.5.4 BB,6.5.4.3	C.1	☑	C.1: Mandatory if (9c/1 or 9c/2) is supported, otherwise Optional.
5/3	DH3 packet type	BB, 6.5.4 BB,6.5.4.4	O	☑	
5/4	DM5 packet type	BB, 6.5.4 BB,6.5.4.5	O	☑	
5/5	DH5 packet type	BB, 6.5.4 BB,6.5.4.6	O	☑	
5/6	AUX1 packet type	BB, 6.5.4 BB,6.5.4.7	O	☑	

Table 5a: Enhanced Data Rate ACL Packet Types

Prerequisite: BB 2/4

Item	Capability	System Spec Reference	Support	Status	Comment
5a/1	2-DH1 packet type	BB, 6.5.4.8	C.1	☑	C.1: Mandatory if (SUMICS 22/1 or 22/2) is supported, otherwise Optional if (BB 1a/2) is supported.
5a/2	2-DH3 packet type	BB, 6.5.4.9	C.2	☑	C.2: Mandatory if (SUMICS 22/2) is supported, otherwise Optional if (BB 1a/2) is supported.
5a/3	2-DH5 packet type	BB, 6.5.4.10	C.2	☑	C.2: Mandatory if (SUMICS 22/2) is supported, otherwise Optional if (BB 1a/2) is supported.
5a/4	3-DH1 packet type	BB, 6.5.4.11	C.3	☑	C.3: Mandatory if (SUMICS 22/1 or 22/2) is supported, otherwise Optional if (BB 1a/3) is Supported.
5a/5	3-DH3 packet type	BB, 6.5.4.12	C.4	☑	C.4: Mandatory if (SUMICS 22/2) is supported, otherwise Optional if (BB 5a/2 and 5a/4) are supported.
5a/6	3-DH5 packet type	BB, 6.5.4.13	C.5	☑	C.5: Mandatory if (SUMICS 22/2) is supported, otherwise Optional if (BB 5a/3 and 5a/4) are supported.

Table 6: SCO and eSCO Packet Types

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

Table 6a: Enhanced Data Rate eSCO Packet Types

Item	Capability	System Spec Reference	Support	Status	Comment
6a/1	2-EV3 packet type	BB, 6.5.3.4	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if (SUMICS 22/3) is supported, otherwise Optional if (BB 1a/2) is supported.
6a/2	2-EV5 packet type	BB, 6.5.3.5	C.2	<input checked="" type="checkbox"/>	C.2: Optional if 1a/2 is supported.
6a/3	3-EV3 packet type	BB, 6.5.3.6	C.3	<input checked="" type="checkbox"/>	C.3: Mandatory if (SUMICS 22/3) is supported and (SUMICS 22/4) is Not Supported, otherwise Optional if (BB 1a/3) is supported.
6a/4	3-EV5 packet type	BB, 6.5.3.7	C.4	<input checked="" type="checkbox"/>	C.4: Optional if 1a/3 is supported.

Table 7: Page Procedures

Item	Capability	System Spec Reference	Support	Status	Comment
7/1	Paging	BB, 8.3.2	M	<input checked="" type="checkbox"/>	
7/2	Page scan	BB, 8.3.1	M	<input checked="" type="checkbox"/>	
7/5	Interlaced Scan during page scan	BB, 2.4	O	<input checked="" type="checkbox"/>	
7/6	Truncated Paging	BB, 8.3.3	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if 3a/2 is supported, otherwise Optional.
7/7	Page Response Timeout Detection	BB, 8.3	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory if 3a/1 is supported, otherwise Optional.
7/8	Train Nudging During Page	[4] 8.3.2	C.3	<input checked="" type="checkbox"/>	C.3: Excluded if SUMICS 21/3 OR SUMICS 21/4 OR SUMICS 21/5 OR SUMICS 21/6 OR SUMICS 21/8 OR SUMICS 21/9 is supported, otherwise Optional.
7/9	Generalized Interlaced Page Scan	[4] 8.3.1	C.3	<input checked="" type="checkbox"/>	C.3: Excluded if SUMICS 21/3 OR SUMICS 21/4 OR SUMICS 21/5 OR SUMICS 21/6 OR SUMICS 21/8 OR SUMICS 21/9 is supported, otherwise Optional.

Table 8: Paging Schemes

Item	Capability	System Spec Reference	Support	Status	Comment
8/1	Mandatory scan mode	BB, 8.3 BB, table 6.5	M	<input checked="" type="checkbox"/>	

Table 9: Paging Modes

Item	Capability	System Spec Reference	Support	Status	Comment
9/1	Paging mode R0	BB, 8.3.1 BB, table 8.1	C.1	<input checked="" type="checkbox"/>	C.1: At least one of 9/1-3 is Mandatory.
9/2	Paging mode R1	BB, 8.3.1 BB, table 8.1	C.1	<input checked="" type="checkbox"/>	C.1: At least one of 9/1-3 is Mandatory.
9/3	Paging mode R2	BB, 8.3.1 BB, table 8.1	C.1	<input checked="" type="checkbox"/>	C.1: At least one of 9/1-3 is Mandatory.

Table 9b: Paging Train Repetition

Item	Capability	System Spec Reference	Support	Status	Comment
9b/1	Npage >= 1	BB, 8.3.2 BB, table 8.2	O	<input checked="" type="checkbox"/>	
9b/2	Npage >= 128	BB, 8.3.2 BB, table 8.2	O	<input checked="" type="checkbox"/>	
9b/3	Npage >= 256	BB, 8.3.2 BB, table 8.2	M	<input checked="" type="checkbox"/>	

Table 9c: Synchronization Modes Support

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 10: Inquiry Procedures

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

10/1	Inquiry	BB, 8.4.2	O	☑	
10/2	Inquiry scan with first FHS	BB, 8.4.2	O	☑	
10/5	Dedicated inquiry access code	BB, 6.3.1	O	☑	
10/6	Interlaced Scan during inquiry scan	BB, 2.5	O	☑	
10/7	Extended Inquiry Response	BB, 8.4.2, BB 8.4.3	C.1	☑	C.1: Excluded IF SUMICS 21/3 ?2.0?OR SUMICS 21/4 ?2.0+EDR?is supported, otherwise Mandatory IF GAP 1/3 ?nitiate LMP-Authentication?is supported, otherwise Optional.
10/8	Train Nudging During Inquiry	[4] 8.4.2	C.2	☑	C.2: Optional if SUMICS 21/13 (Core Spec 4.1) is supported, otherwise Excluded.
10/9	Generalized Interlaced Inquiry Scan	[4] 8.4.1	C.2	☑	C.2: Optional if SUMICS 21/13 (Core Spec 4.1) is supported, otherwise Excluded.

Table 11: Piconet Capabilities

Item	Capability	System Spec Reference	Support	Status	Comment	Value
11/1	Broadcast messages	BB, 7.6.1 BB, 7.6.5	O	☑		
11/2	Point-to-multipoint connections	BB, 1	O	☑		

Table 12: Scatternet Capabilities

Item	Capability	System Spec Reference	Support	Status	Comment
12/1	Act as Master in one piconet and Slave in another piconet	BB, 1	O	☑	
12/2	Act as Slave in more than one piconet	BB, 1	O	☑	

Table 13: Synchronous Coding Schemes

Prerequisite: BB 2/2

Item	Capability	System Spec Reference	Support	Status	Comment
13/1	A-law	BB, 9.1	O	☑	
13/2	u-law	BB, 9.1	O	☑	
13/3	CVSD	BB, 9.2	O	☑	
13/4	Transparent Synchronous Data	BB, 5.4 BB, 5.5	O	☑	

Table 14: Erroneous Data Reporting

Item	Capability	System Spec Reference	Support	Status	Comment
14/1	Erroneous Data Reporting for SCO	BB 7.7	C.1	☑	C.1: Optional if (Core Spec 2.1 or later) and (HCI 9/6) is supported, otherwise Excluded.
14/2	Erroneous Data Reporting for eSCO	BB 7.7	C.2	☑	C.2: Optional if (Core Spec 2.1 or later) and (HCI 9/7) is supported, otherwise Excluded.

Table 15: This table is intentionally left blank: DO NOT USE

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 16: Non-flushable Packet Boundary Flag

Item	Capability	System Spec Reference	Support	Status	Comment
16/1	Non-flushable Packet Boundary Flag	[1] 7.6.3	C.1	☑	C.1: Excluded IF SUMICS 21/3 “v2.0” OR SUMICS 21/4 “v2.0+EDR” is supported, otherwise Mandatory IF (HCI 12/10 “Enhanced Flush Command”) is supported; otherwise Optional.

Table 17: Connection States

Item	Capability	System Spec Reference	Support	Status	Comment
17/1	Sniff Subrating Mode	[3] 4.5.3.3	C.1	<input checked="" type="checkbox"/>	C.1: Excluded IF SUMICS 21/3 "v2.0" OR SUMICS 21/4 "v2.0+EDR" is supported, otherwise Mandatory IF LMP 2/8 "Sniff Mode" is supported; otherwise Optional

Table 18: Coarse Clock Adjust

Item	Capability	System Spec Reference	Support	Status	Comment
18/1	Coarse Clock Adjustment	8.6.10.1	C.1	<input checked="" type="checkbox"/>	C.1: Excluded IF SUMICS 21/3 "v2.0" OR SUMICS 21/4 "v2.0+EDR" OR SUMICS 21/5 "v2.1" OR SUMICS 21/6 "v2.1+EDR" OR SUMICS 21/8 "v3.0" OR SUMICS 21/9 "v4.0" is supported, otherwise Optional.

Table 19: Slot Availability Mask

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Link Manager

Table 1: Response Messages

Item	Capability	System Spec Reference	Support	Status	Comment
1/1	Accept message	LMP, 2.7	M	<input checked="" type="checkbox"/>	
1/2	Reject message	LMP, 2.7	M	<input checked="" type="checkbox"/>	

Table 2: Supported Features

Item	Capability	System Spec Reference	Support	Status	Comment
2/1	3-slot packets	LMP, 4.1.10, LMP,3.3	C.11	<input checked="" type="checkbox"/>	C.11: Excluded IF LMP 2/21 (BR/EDR Not Supported) is supported, otherwise Optional.
2/2	5-slot packets	LMP, 4.1.10, LMP, 3.3	C.11	<input checked="" type="checkbox"/>	C.11: Excluded IF LMP 2/21 (BR/EDR Not Supported) is supported, otherwise Optional.
2/3	Encryption	LMP, 4.2.5, LMP, 3.3	C.5	<input checked="" type="checkbox"/>	C.5: Optional IF (SUMICS 21/1 OR SUMICS 21/2 OR SUMICS 21/3 "(Core Specification 2.0)" OR SUMICS 21/4 "(2.0+EDR)") is supported; Excluded IF LMP 2/21 "(BR/EDR Not Supported)" is supported, otherwise Mandatory.
2/4	Slot offset	LMP, 4.4.1, LMP, 3.3	C.11	<input checked="" type="checkbox"/>	C.11: Excluded IF LMP 2/21 (BR/EDR Not Supported) is supported, otherwise Optional.
2/5	Timing accuracy	LMP, 4.3.1, LMP, 3.3	C.11	<input checked="" type="checkbox"/>	C.11: Excluded IF LMP 2/21 (BR/EDR Not Supported) is supported, otherwise Optional.
2/6	Role switch (Master/Slave)	LMP,4.4.2, LMP, 3.3	C.11	<input checked="" type="checkbox"/>	C.11: Excluded IF LMP 2/21 (BR/EDR Not Supported) is supported, otherwise Optional.
2/8	Sniff mode	LMP,4.5.3, LMP, 3.3	C.11	<input checked="" type="checkbox"/>	C.11: Excluded IF LMP 2/21 (BR/EDR Not Supported) is supported, otherwise Optional.
2/10	Power Control	RF, 3 LMP, 4.1.3, LMP, 3.3	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF Power Class 1 is supported (RF, 1/1=1); Excluded IF LMP 2/21 (BR/EDR Not Supported) is supported, otherwise Optional.
2/11	Channel quality driven data rate	LMP, 4.1.7, LMP, 3.3	C.11	<input checked="" type="checkbox"/>	C.11: Excluded IF LMP 2/21 (BR/EDR Not Supported) is supported, otherwise Optional.
2/12	SCO link	LMP,	C.11	<input checked="" type="checkbox"/>	C.11: Excluded IF LMP 2/21 (BR/EDR Not Supported) is supported, otherwise Optional.

		4.6.1, LMP, 3.3				
2/13	RSSI	LMP, 3.3	C.11	☑	C.11: Excluded IF LMP 2/21 (BR/EDR Not Supported) is supported, otherwise Optional.	
2/14	Broadcast encryption	LMP, 4.2.5, LMP, 3.3	C.11	☑	C.11: Excluded IF LMP 2/21 (BR/EDR Not Supported) is supported, otherwise Optional.	
2/15	eSCO link	LMP, 4.6.2	C.11	☑	C.11: Excluded IF LMP 2/21 (BR/EDR Not Supported) is supported, otherwise Optional.	
2/16	Adaptive frequency hopping	LMP, 4.1.4	C.11	☑	C.11: Excluded IF LMP 2/21 (BR/EDR Not Supported) is supported, otherwise Optional.	
2/17	Enhanced Data Rate ACL	BB, 6.5.4 LMP, 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)") is supported AND LMP 2/21 "BR/EDR Not Supported" is NOT supported; Excluded IF LMP 2/21 "BR/EDR Not Supported" is supported, otherwise Optional.	
2/18	Enhanced Data Rate eSCO	BB, 6.5.3 LMP, 3.3	C.3	☑	C.3: Mandatory IF (SUMICS 22/3 (EDR for synchronous transports) OR SUMICS 22/4 (EDR for synchronous transports, CSA1 and 3.0 + HS or later)) is supported, otherwise Excluded.	
2/19	Simple Pairing	LMP 4.2.7	C.4	☑	C.4: Excluded IF SUMICS 21/3 "Core Specification 2.0" OR SUMICS 21/4 "2.0+EDR" is supported; otherwise Mandatory IF LMP 2/21 "BR/EDR Not Supported" is NOT supported, otherwise Excluded.	
2/20	Enhanced Power Control	LMP, 4.1.3.1, LMP, 3.3	C.6	☑	C.6: Excluded IF SUMICS 21/3 "Core Specification 2.0" OR SUMICS 21/4 "2.0+EDR" OR SUMICS 21/5 "Core Specification 2.1" OR SUMICS 21/6 "2.1+EDR" is supported, otherwise Excluded if LMP 2/21 "BR/EDR Not Supported" is supported, otherwise Optional IF LMP 2/10 "Power Control" AND LMP 2/13 "RSSI" are supported.	
2/22	LE Supported (Controller)	LMP, 3.3	C.8	☑	C.8: Mandatory IF LMP 2/21 "BR/EDR Not Supported" is supported, otherwise Optional.	
2/23	LE and BR/EDR to same device capable (Controller)	LMP, 3.3	C.12	☑	C.12: Optional IF LMP 2/22 (LE Supported (Controller)) is supported AND LMP 2/21 (BR/EDR Not Supported) is NOT supported, otherwise Excluded.	
2/24	LE Supported (Host)	LMP, 3.3	C.7	☑	C.7: Optional IF LMP 2/22 (LE Supported (Controller)) is supported, otherwise Excluded.	
2/25	No Longer Used			☑		
2/26	Secure Connections	[4] 3.3	C.9	☑	C.9: Excluded IF SUMICS 21/3 "Core Specification 2.0" OR SUMICS 21/4 "2.0+EDR" OR SUMICS 21/5 "Core Specification 2.1" OR SUMICS 21/6 "2.1+EDR" is supported OR SUMICS 21/8 "Core Specification 3.0" OR SUMICS 21/9 "Core Specification 4.0" is supported; otherwise Optional IF LMP 2/21 "BR/EDR Not Supported" is NOT supported, otherwise Excluded.	
2/27	Ping	[4] 3.3, 4.1.13	C.10	☑	C.10: Mandatory IF LMP 2/26 "Secure Connections" is supported AND LMP 2/21 "BR/EDR Not Supported" is NOT supported, otherwise Excluded.	
2/28	Coarse Clock Adjustment	[1] 4.1.14.1	C.15	☑	C.15: Mandatory IF BB 18/1 "Coarse Clock Adjustment" is supported, otherwise Excluded.	

Table 3: Authentication

Item	Capability	System Spec Reference	Support	Status	Comment
3/1	Initiate authentication before connection completed	LMP, 4.2.1	O	☑	
3/2	Initiate authentication after connection completed	LMP, 4.2.1	O	☑	
3/3	Respond to authentication request	LMP, 4.2.1	M	☑	

Table 4: Pairing

Item	Capability	System Spec Reference	Support	Status	Comment
4/1	Initiate pairing before connection completed	LMP, 4.2.2	O	☑	
4/2	Initiate pairing after connection completed	LMP, 4.2.2	O	☑	
4/3	Respond to pairing request	LMP, 4.2.2.1, LMP, 4.2.2.3	M	☑	
4/4	Use fixed PIN and request responder to initiator switch	LMP, 4.2.2.2	C.1	☑	C.1: Mandatory to support at least one of 4/4 or 4/5.
4/5	Use variable PIN	LMP, 4.2.2.2	C.1	☑	C.1: Mandatory to support at least one of 4/4 or 4/5.
4/6	Accept initiator to responder switch	LMP, 4.2.2.2	C.2	☑	C.2: Mandatory if 4/5 and (4/1 or 4/2) are supported.

4/7	TSPC_Change_of_IO_Capabilities	LMP, 4.2.7.3.4	C.3	<input checked="" type="checkbox"/>	C.3: Mandatory if ESR05 is supported, otherwise Optional.
-----	--------------------------------	----------------	-----	-------------------------------------	---

Table 5: Link Keys

Item	Capability	System Spec Reference	Support	Status	Comment
5/2	Creation of link key - Combination Key	LMP, 4.2.2.4	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one of 5/1 or 5/2.
5/3	Initiate change of link key	LMP, 4.2.3	O	<input checked="" type="checkbox"/>	
5/4	Accept change of link key	LMP, 4.2.3	M	<input checked="" type="checkbox"/>	
5/7	Accept pairing with Unit Key	LMP, 4.2.2.4	O	<input checked="" type="checkbox"/>	

Table 6: Encryption

Item	Capability	System Spec Reference	Support	Status	Comment
6/1	Initiate encryption	LMP, 4.2.5.1	C.1	<input checked="" type="checkbox"/>	C.1: Optional IF (SUMICS 21/3 "Core Specification 2.0" OR SUMICS 21/4 "2.0+EDR") is supported, otherwise Mandatory.
6/2	Accept encryption requests	LMP, 4.2.5.1	M	<input checked="" type="checkbox"/>	
6/5	Key size negotiation	LMP, 4.2.5.2	M	<input checked="" type="checkbox"/>	
6/6	Start encryption, as master	LMP, 4.2.5.3	M	<input checked="" type="checkbox"/>	
6/7	Accept start of encryption	LMP, 4.2.5.3	M	<input checked="" type="checkbox"/>	
6/8	Stop encryption, as master	LMP, 4.2.5.4	M	<input checked="" type="checkbox"/>	
6/9	Accept stop of encryption	LMP, 4.2.5.4	M	<input checked="" type="checkbox"/>	
6/10	Encryption Pause/Resume	LMP 4.2.5.3	C.2	<input checked="" type="checkbox"/>	C.2: Excluded IF (SUMICS 21/3 "Core Specification 2.0" OR SUMICS 21/4 "2.0+EDR") is supported, otherwise Mandatory.
6/11	AES CCM Encryption	[4] 4.2.5	C.3	<input checked="" type="checkbox"/>	C.3: Mandatory IF 2/26 (Secure Connections) is supported, otherwise Excluded.

Table 7: Clock Offset Information

Item	Capability	System Spec Reference	Support	Status	Comment
7/1	Request clock offset information	LMP, 4.3.2	O	<input checked="" type="checkbox"/>	
7/2	Respond to clock offset requests	LMP, 4.3.2	M	<input checked="" type="checkbox"/>	

Table 8: Slot Offset Information

Prerequisite: LMP 2/4

Item	Capability	System Spec Reference	Support	Status	Comment
8/1	Send slot offset information	LMP, 4.4.1	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if 13/1 is supported, otherwise Optional.

Table 9: Timing Accuracy Information

Prerequisite: LMP 2/5

Item	Capability	System Spec Reference	Support	Status	Comment
9/1	Request timing accuracy information	LMP, 4.3.1	O	<input checked="" type="checkbox"/>	
9/2	Respond to timing accuracy information requests	LMP, 4.3.1	M	<input checked="" type="checkbox"/>	

Table 10: LM Version Information

Item	Capability	System Spec Reference	Support	Status	Comment
10/1	Request LM version information	LMP, 4.3.3	O	<input checked="" type="checkbox"/>	

10/2	Respond to LMversion information requests	LMP, 4.3.3	M	<input checked="" type="checkbox"/>
------	---	------------	---	-------------------------------------

Table 11: Feature Support

Item	Capability	System Spec Reference	Support	Status	Comment
11/1	Request supported features	LMP, 4.3.4	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if any of the "Optional" features in Table 2 is supported, otherwise Optional. (LMP:2/1-3), (LMP:2/5), (LMP:2/7-12), (LMP:2/14-16), (LMP:26/1) is requested by the IUT, ELSE Optional.
11/2	Respond to supported features requests	LMP, 4.3.4	M	<input checked="" type="checkbox"/>	
11/3	Request extended features mask	LMP, 4.3.4	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory if a feature requiring another features page is supported, otherwise Optional.
11/4	Respond to extended features Request	LMP, 4.3.4	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory if a feature requiring another features page is supported, otherwise Optional.

Table 12: Name Information

Item	Capability	System Spec Reference	Support	Status	Comment
12/1	Request name information	LMP, 4.3.5	O	<input checked="" type="checkbox"/>	
12/2	Respond to name requests	LMP, 4.3.5	M	<input checked="" type="checkbox"/>	

Table 13: Role Switch

Item	Capability	System Spec Reference	Support	Status	Comment
13/1	Request Master Slave switch	LMP, 4.4.2	O	<input checked="" type="checkbox"/>	
13/2	Accept Master Slave switch requests	LMP, 4.4.2	M	<input checked="" type="checkbox"/>	

Table 14: Detach

Item	Capability	System Spec Reference	Support	Status	Comment
14/1	Detach connection	LMP, 4.1.2	M	<input checked="" type="checkbox"/>	

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

Prerequisite: LMP 2/17

Item	Capability	System Spec Reference	Support	Status	Comment
14a/1	Enter Enhanced Data Rate	LMP, 4.1.11	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if 2/17 is supported, otherwise Excluded.
14a/2	Exit Enhanced Data Rate	LMP, 4.1.11	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if 2/17 is supported, otherwise Excluded.

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

Prerequisite: LMP 2/18

Item	Capability	System Spec Reference	Support	Status	Comment
14b/1	Enter and Exit eSCO Using Enhanced Data Rate Packets	LMP, 4.6.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if 2/18 is supported, otherwise Excluded.

Table 15: Hold Mode

Prerequisite: LMP 2/7

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 16: Sniff Mode

Item	Capability	System Spec	Support	Status	Comment
------	------------	-------------	---------	--------	---------

Reference					
16/2	Request sniff mode	LMP, 4.5.3, LMP, 4.5.3.2	O	<input checked="" type="checkbox"/>	
16/3	Respond to sniff mode requests (renegotiate or reject)	LMP, 4.5.3.2	M	<input checked="" type="checkbox"/>	
16/5	Request un-sniff	LMP, 4.5.3.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if 16/2 is supported, otherwise Optional.
16/6	Accept un-sniff requests	LMP, 4.5.3.2	M	<input checked="" type="checkbox"/>	
16/7	Sniff Subrating Mode	LMP, 4.5.3.3	C.2	<input checked="" type="checkbox"/>	C.2: Excluded IF (SUMICS 21/3 "Core Specification 2.0" OR SUMICS 21/4 "2.0+EDR") is supported, otherwise Mandatory.

Table 17: Park Mode

Prerequisite: LMP 2/9

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 18: Power Control

Item	Capability	System Spec Reference	Support	Status	Comment
18/1	Request to increase power	LMP, 4.1.3	M1	<input checked="" type="checkbox"/>	M1: Mandatory if 2/13 is supported.
18/2	Request to decrease power	LMP, 4.1.3	M1	<input checked="" type="checkbox"/>	M1: Mandatory if 2/13 is supported.
18/3	Respond when max power reached	LMP, 4.1.3	M2	<input checked="" type="checkbox"/>	M2: Mandatory if 2/10 is supported.
18/4	Respond when min power reached	LMP, 4.1.3	M2	<input checked="" type="checkbox"/>	M2: Mandatory if 2/10 is supported.
18/5	Request to increment power a single step	LMP, 4.1.3.1.1	M3	<input checked="" type="checkbox"/>	M3: Mandatory if 2/20 is supported.
18/6	Request to decrease power a single step	LMP, 4.1.3.1.1	M3	<input checked="" type="checkbox"/>	M3: Mandatory if 2/20 is supported.
18/7	Request to go to max power	LMP, 4.1.3.1.1	O	<input checked="" type="checkbox"/>	
18/8	Respond to increment power a single step	LMP, 4.1.3.1.2	M3	<input checked="" type="checkbox"/>	M3: Mandatory if 2/20 is supported.
18/9	Respond to decrease power a single step	LMP, 4.1.3.1.2	M3	<input checked="" type="checkbox"/>	M3: Mandatory if 2/20 is supported.
18/10	Respond to go to max power	LMP, 4.1.3.1.2	M3	<input checked="" type="checkbox"/>	M3: Mandatory if 2/20 is supported.

Table 19: Link Supervision Timeout

Item	Capability	System Spec Reference	Support	Status	Comment
19/1	Set link supervision timeout value	LMP, 4.1.6	O	<input checked="" type="checkbox"/>	
19/2	Accept link supervision timeout setting	LMP, 4.1.6	M	<input checked="" type="checkbox"/>	

Table 20: Quality of Service

Item	Capability	System Spec Reference	Support	Status	Comment
20/1	Channel quality driven change between DM and DH packet type	LMP, 4.1.7	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if 2/11 is supported (stated in the feature request), otherwise Optional.
20/2	Force/Request change of Quality of Service	LMP, 4.1.8, LMP, 4.1.8.1	M	<input checked="" type="checkbox"/>	
20/3	Request Change of Quality of Service	LMP, 4.1.8, LMP, 4.1.8.2	M	<input checked="" type="checkbox"/>	

Table 21: SCO Links

Prerequisite: LMP 2/12

Item	Capability	System Spec Reference	Support	Status	Comment
21/1	Initiate SCO links, as Master	LMP, 4.6.1, LMP, 4.6.1.1	O	<input checked="" type="checkbox"/>	
21/2	Initiate SCO links, as Slave	LMP, 4.6.1, LMP, 4.6.1.2	O	<input checked="" type="checkbox"/>	
21/3	Accept SCO links	LMP, 4.6.1, LMP, 4.6.1.1, LMP, 4.6.1.2	O	<input checked="" type="checkbox"/>	

21/4	Remove SCO links, as Master	LMP, 4.6.1, LMP,4.6.1.5	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if 21/1 is supported, otherwise Optional.
21/5	Remove SCO links, as Slave	LMP, 4.6.1, LMP,4.6.1.5	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory if 21/2 is supported, otherwise Optional.
21/6	Negotiate SCO link parameters, as Master	LMP, 4.6.1, LMP,4.6.1.3	C.3	<input checked="" type="checkbox"/>	C.3: Mandatory if (21/1 or 21/3) is supported, otherwise Optional.
21/7	Negotiate SCO link parameters, as Slave	LMP, 4.6.1, LMP,4.6.1.4	C.4	<input checked="" type="checkbox"/>	C.4: Mandatory if (21/2 or 21/3) is supported, otherwise Optional.

Table 22: Multi-Slot Packets

Item	Capability	System Spec Reference	Support	Status	Comment
22/1	Accept maximum allowed number of slots to be used	LMP, 4.1.10	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if (2/1 and/or 2/2) is supported, otherwise Optional.
22/2	Request maximum number of slots to be used	LMP, 4.1.10	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if (2/1 and/or 2/2) is supported, otherwise Optional.
22/3	Accept request of maximum number of slots to be used	LMP, 4.1.10	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if (2/1 and/or 2/2) is supported, otherwise Optional.

Table 23: Paging Scheme

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 24: Connection Establishment

Item	Capability	System Spec Reference	Support	Status	Comment
24/1	Create connection for higher layers	LMP, 4.1.1	M	<input checked="" type="checkbox"/>	
24/2	Respond to requests to establish connections for higher layers	LMP, 4.1.1	M	<input checked="" type="checkbox"/>	
24/3	Indicate that link set-up is complete	LMP, 4.1.1	M	<input checked="" type="checkbox"/>	

Table 25: Test Mode

Item	Capability	System Spec Reference	Support	Status	Comment
25/1	Activate test mode	LMP, 4.7.1	O	<input checked="" type="checkbox"/>	
25/2	Ability to reject activation of test mode if test mode is disabled	LMP, 4.7.1	M	<input checked="" type="checkbox"/>	
25/3	Control test mode	LMP, 4.7.2	O	<input checked="" type="checkbox"/>	
25/4	Ability to reject test mode control commands if test mode is disabled.	LMP, 4.7.2	M	<input checked="" type="checkbox"/>	

Table 26: Adaptive Frequency Hopping

Item	Capability	System Spec Reference	Support	Status	Comment
26/1	Support of AFH switch as master	LMP, 4.1.4	O	<input checked="" type="checkbox"/>	
26/2	Support of AFH switch as slave	LMP, 4.1.4	M	<input checked="" type="checkbox"/>	
26/3	Support of Channel Classification reporting - post Role Switch (as Slave)	LMP, 4.1.5	C.1	<input checked="" type="checkbox"/>	C.1: Optional if 26/6 is supported, otherwise Excluded.
26/4	Support of Channel Classification reporting as slave	LMP, 4.1.5	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory if 26/6 is supported, otherwise Excluded.
26/5	Support channel classification from host	LMP, 4.1.5	C.3	<input checked="" type="checkbox"/>	C.3: Mandatory if 26/1 or 26/4 is supported, otherwise Optional.
26/6	Support of Channel Classification	LMP, 4.1.5	O	<input checked="" type="checkbox"/>	

Table 27: Ping

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

27/1	Initiate LMP Ping	[4] 4.1.13	O	☑
27/2	Respond to LMP Ping	[4] 4.1.13	M	☑

Table 28: Coarse Clock Adjustment

Item	Capability	System Spec Reference	Support	Status	Comment
28/1	Receive Request for Coarse Clock Adjustment	[1] 4.1.14.1	O	☑	
28/2	Send Request for Coarse Clock Adjustment	[1] 4.1.14.1	O	☑	

Table 29: Slot Availability Mask

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Service Discovery Protocol

Table 1: Support Different Size Capabilities on UUID

Item	Capability	System Spec Reference	Support	Status	Comment
1/1	Support for 128 bit UUID	SDP, 2.7.1	M	☑	
1/2	Support for 32 bit UUID	SDP, 2.7.1	M	☑	
1/3	Support for 16 bit UUID	SDP, 2.7.1	M	☑	

Table 1b: Roles

Item	Capability	System Spec Reference	Support	Status	Comment
1b/1	Support for server role	SDP, 2.1	C.1	☑	C.1: Mandatory to support at least one of the defined roles.
1b/2	Support for client role	SDP, 2.1	C.1	☑	C.1: Mandatory to support at least one of the defined roles.

Table 2: Valid Service Search Request

Item	Capability	System Spec Reference	Support	Status	Comment
2/1	Support for respond on search of single Service, using ServiceSearchRequest.	SDP, 4.5	C.2	☑	C.2: Mandatory if 1b/1 is supported.
2/2	Support for respond on search of Service, using continuation state	SDP, 4.5	O	☑	
2/3	Search for services using the continuation state.	SDP, 4.3	C.1	☑	C.1: Mandatory if 1b/2 is supported.

Table 3: Invalid Service Search Request

Item	Capability	System Spec Reference	Support	Status	Comment
3/1	Support for error response on Service search request.	SDP, 4.4	M	☑	

Table 4: Valid Service Attribute Request

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

Table 5: Invalid Service Attribute Request

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Item	Capability	System Spec Reference	Support	Status	Comment
5/1	Support for error response on Attribute search request.	SDP, 4.4	M	<input checked="" type="checkbox"/>	

Table 6: Valid Service Search Attribute Request

Item	Capability	System Spec Reference	Support	Status	Comment
6/1	Support for respond on search for Service(s) and Attribute(s)	SDP, 4.7	M	<input checked="" type="checkbox"/>	
6/2	Support for respond on search of Attribute, using continuation state.	SDP, 4.7	O	<input checked="" type="checkbox"/>	
6/3	Support for respond on search on attribute AdditionalProtocolDescriptorList on existing service	SDP, 4.7, 5.1.6	O	<input checked="" type="checkbox"/>	

Table 7: Invalid Service Search Attribute Request

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

Table 8: Service Browsing

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 9: Attributes Present in IUT

Item	Capability	System Spec Reference	Support	Status	Comment
9/2	ProtocolDescriptorList	SDP, 5.1.5	O	<input checked="" type="checkbox"/>	
9/5	BrowseGroupList	SDP, 5.1.7	O	<input checked="" type="checkbox"/>	
9/6	LanguageBaseAttributedIdList	SDP, 5.1.8	O	<input checked="" type="checkbox"/>	
9/9	ServiceName	SDP, 5.1.15	O	<input checked="" type="checkbox"/>	
9/10	ServiceDescription	SDP, 5.1.16	O	<input checked="" type="checkbox"/>	
9/14	BluetoothProfileDescriptorList	SDP, 5.1.11	O	<input checked="" type="checkbox"/>	
9/17	AdditionalProtocolDescriptorList	SDP, 5.1.6	C.1	<input checked="" type="checkbox"/>	C.1: Optional if 9/2 is supported, otherwise Excluded.
9/18	ServiceRecordHandle	SDP, 5.1.1	M	<input checked="" type="checkbox"/>	
9/19	ServiceClassIDList	SDP, 5.1.2	M	<input checked="" type="checkbox"/>	

Generic Access Profile

Generic Access Profile

Table 0: Device Configuration

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

Table 0a: Version Configuration

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

Table 1: Modes

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

1/3	General-discoverable mode	[1] or [2] or [3] or [7] 4.1.3	O	☑	
1/4	Non-connectable mode	[1] or [2] or [3] or [7] 4.2.1	O	☑	
1/5	Connectable mode	[1] or [2] or [3] or [7] 4.2.2	M	☑	
1/7	Bondable mode	[1] or [2] or [3] or [7] 4.3.2	C.2	☑	C.2: Mandatory if 3/5 is supported, otherwise Optional.

Table 2: Security Aspects

Item	Capability	System Spec Reference	Support	Status	Comment
2/1	Authentication procedure	[1] or [2] or [3] or [7] 5.1	C.1	☑	C.1: Mandatory if (2/5 or 2/6) is supported, otherwise Optional.
2/2	Support of LMP-Authentication	[1] or [2] or [3] or [7] 5.1	M	☑	
2/3	Initiate LMP-Authentication	[1] or [2] or [3] or [7] 5.1	C.5	☑	C.5: Mandatory if (2/5 or 2/6 or 2/7) is supported, otherwise Optional.
2/5	Security mode 2	[1] or [2] or [3] or [7] 5.2.1.2	O	☑	
2/7	Security mode 4	[2] or [3] or [7] 5.2.2	C.4	☑	C.4: Mandatory if (Core Spec 2.1 or later) is supported, otherwise Excluded.
2/8	Support of Authenticated link key	[2] or [3] or [7] 5.2.2	C.6	☑	C.6: If 2/7 is supported then at least one of (2/8 or 2/9 or 2/10) is Mandatory, otherwise Excluded.
2/9	Support of Unauthenticated link key	[2] or [3] or [7] 5.2.2	C.6	☑	C.6: If 2/7 is supported then at least one of (2/8 or 2/9 or 2/10) is Mandatory, otherwise Excluded.

Table 3: Idle Mode Procedures

Item	Capability	System Spec Reference	Support	Status	Comment
3/1	Initiation of general inquiry	[1] or [2] or [3] or [7] 6.1	C.1	☑	C.1: Mandatory to support at least one of GAP 3/1 (Initiation of general inquiry) or GAP 3/2 (Initiation of limited inquiry) if GAP 3/5 (Initiation of general bonding) is supported, otherwise Optional.
3/3	Initiation of name discovery	[1] or [2] or [3] or [7] 6.3	O	☑	
3/4	Initiation of device discovery	[1] or [2] or [3] or [7] 6.4	O	☑	
3/5	Initiation of general bonding	[1] or [2] or [3] or [7] 6.5	O	☑	
3/6	Initiation of dedicated bonding	[1] or [2] or [3] or [7] 6.5	O	☑	

Table 4: Establishment Procedures

Item	Capability	System Spec Reference	Support	Status	Comment
4/1	Support link establishment as initiator	[1] or [2] or [3] or [7] 7.1	M	☑	
4/2	Support link establishment as acceptor	[1] or [2] or [3] or [7] 7.1	M	☑	
4/3	Support channel establishment as initiator	[1] or [2] or [3] or [7] 7.2	O	☑	
4/4	Support channel establishment as acceptor	[1] or [2] or [3] or [7] 7.2	M	☑	
4/5	Support connection establishment as initiator	[1] or [2] or [3] or [7] 7.3	O	☑	
4/6	Support connection establishment as acceptor	[1] or [2] or [3] or [7] 7.3	O	☑	

Table 5: LE Roles

Prerequisite: GAP 0/2

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 6: Broadcaster Physical Layer

Prerequisite: GAP 38/1 or GAP 5/1

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 7: Broadcaster Link Layer States

Prerequisite: GAP 38/1 or GAP 5/1

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 8: Broadcaster Link Layer Advertising Event Types

Prerequisite: GAP 38/1 or GAP 5/1

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 8a: Broadcaster Link Layer Advertising Data Types

Prerequisite: GAP 38/1 or GAP 5/1

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 9: Broadcaster Connection Modes and Procedures

Prerequisite: GAP 38/1 or GAP 5/1

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 10: Broadcaster Broadcasting and Observing Features

Prerequisite: GAP 38/1 or GAP 5/1

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 11: Broadcaster Privacy Feature

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 11a: Periodic Advertising Modes and Procedures

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 12: Observer Physical Layer

Prerequisite: GAP 38/2 or GAP 5/2

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 13: Observer Link Layer States

Prerequisite: GAP 38/2 or GAP 5/2

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 14: Observer Link Layer Scanning Types

Prerequisite: GAP 38/2 or GAP 5/2

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 15: Observer Connection Modes and Procedures

Prerequisite: GAP 38/2 or GAP 5/2

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 16: Observer Broadcasting and Observing Features

Prerequisite: GAP 38/2 or GAP 5/2

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 17: Observer Privacy Feature

Prerequisite: GAP 38/2 or GAP 5/2

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 17a: Periodic Advertising Modes and Procedures

Prerequisite: GAP 38/2 or GAP 5/2

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 18: Peripheral Physical Layer

Prerequisite: GAP 38/3 or GAP 5/3

Item	Capability	System Spec Reference	Support	Status	Comment
18/1	Transmitter	[3] or [7] 2.2.2	M	☑	
18/2	Receiver	[3] 2.2.2	M	☑	

Table 19: Peripheral Link Layer States

Prerequisite: GAP 38/3 or GAP 5/3

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

Table 20: Peripheral Link Layer Advertising Event Types

Prerequisite: GAP 38/3 or GAP 5/3

Item	Capability	System Spec Reference	Support	Status	Comment
20/1	Connectable and Scannable Undirected Event	[3] 2.2.2, 13.1.1.2 [7] 2.2.2	C.1	☑	C.1: Mandatory IF (SUMICS 31/14 (Core Spec v4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) is supported; Mandatory IF ((SUMICS 31/10 (Core Spec 4.0) OR SUMICS 31/10a (Core Spec Version 4.0+HS)) AND 5/3 (LE Roles – Peripheral Role))) is supported, otherwise Excluded.
20/3	Non-Connectable and Non-Scannable Undirected Event	[3] 2.2.2, 9.2.2.2, 9.3.1, 9.3.2 [7] 2.2.2	O	☑	
20/4	Scannable Undirected Event	[3] 2.2.2, 9.2.2.2, 9.3.1, 9.3.2 [7] 2.2.2	O	☑	

Table 20A: Peripheral Link Layer Advertising Data Types

Prerequisite: GAP 38/3 or GAP 5/3

Item	Capability	System Spec Reference	Support	Status	Comment
20A/1	AD Type – Service UUID	[3] 11.1.1 [4] 1.1	C.1	☑	C.1: Optional if (20/1 or 20/3 or 20/4) is supported, otherwise Excluded.
20A/2	AD Type – Local Name	[3] 11.1.2 [4] 1.2	C.1	☑	C.1: Optional if (20/1 or 20/3 or 20/4) is supported, otherwise Excluded.
20A/3	AD Type – Flags	[3] 11.1.3 [4] 1.3	C.2	☑	C.2: Mandatory if 22/2 (Limited Discoverable Mode) or 22/3 (General Discoverable Mode) is supported, otherwise Optional.
20A/4	AD Type – Manufacturer Specific Data	[3] 11.1.4 [4] 1.4	C.1	☑	C.1: Optional if (20/1 or 20/3 or 20/4) is supported, otherwise Excluded.
20A/5	AD Type – TX Power Level	[3] 11.1.5 [4] 1.5	C.1	☑	C.1: Optional if (20/1 or 20/3 or 20/4) is supported, otherwise Excluded.

Table 21: Peripheral Link Layer Control Procedures

Prerequisite: GAP 38/3 or GAP 5/3

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

Table 22: Peripheral Discovery Modes and Procedures

Prerequisite: GAP 38/3 or GAP 5/3

Item	Capability	System Spec Reference	Support	Status	Comment
22/1	Non-Discoverable Mode	[3] 9.2.2, 13.1.1.1 [7] 9.2.2, 13.1	C.1	☑	C.1: Mandatory IF ((SUMICS 31/10 (Core Spec Version 4.0) OR SUMICS 31/10a (Core Spec Version 4.0+HS)) AND (5/3 (LE Roles – Peripheral role) OR 42/1 (BR/EDR/LE – Non-Discoverable Mode))) is supported; Mandatory IF (SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) is supported, otherwise Excluded.
22/3	General Discoverable Mode	[3] 9.2.4, 13.1.1.2 [7] 9.2.4, 13.1	C.3	☑	C.3: Mandatory IF ((SUMICS 31/10 (4.0) OR SUMICS 31/11 (4.0+HS)) AND 1/3 (BR/EDR/LE – General Discoverable Mode)) is supported; Mandatory IF (5/3 (LE Roles – Peripheral role) AND (NOT 22/2 (Limited Discoverable Mode))) is supported; Optional IF (5/3 (LE Roles – Peripheral role) AND 22/2 (Limited Discoverable Mode)) is supported; (cont.) C.3: Mandatory IF ((SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) AND 38/3 (BR/EDR/LE Roles – Peripheral Role) AND (NOT 22/2 (Limited Discoverable Mode))) is supported; (cont.2) C.3: Optional IF ((SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) AND 38/3 (BR/EDR/LE Roles – Peripheral Role) AND 22/2 (Limited Discoverable Mode)) is supported, otherwise Excluded.
22/4	Name Discovery Procedure	[3] or [7] 9.2.7	C.4	☑	C.4: Optional IF ((SUMICS 31/10 (Core Spec Version 4.0) OR SUMICS 31/10a (Core Spec Version 4.0+HS)) AND 5/3 (LE Roles – Peripheral Role)) is supported; Optional IF (SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) is supported, otherwise Excluded.

Table 23: Peripheral Connection Modes and Procedures

Prerequisite: GAP 38/3 or GAP 5/3

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

23/1	Non-Connectable Mode	[3] 9.3.2, 13.1.2.1 [7] 9.3.2	M	☑	
23/3	Undirected Connectable Mode	[3] 9.3.4, 13.1.2.2 [7] 9.3.4	C.2	☑	C.2: Mandatory IF (5/3 (LE Roles – Peripheral Role) OR ((31/14 (SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) AND 38/3 (BR/EDR/LE Roles – Peripheral Role))) is supported, otherwise Excluded.
23/4	Connection Parameter Update Procedure	[3] 9.3.9, 13.1.2.1 [7] 9.3.9	C.1	☑	C.1: Optional IF (5/3 (LE Roles – Peripheral Role) OR ((31/14 (SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) AND 38/3 (BR/EDR/LE Roles – Peripheral Role))) is supported, otherwise Excluded.
23/5	Terminate Connection Procedure	[3] 9.3.10, 13.1.2.1 [7] 9.3.10	C.2	☑	C.2: Mandatory IF (5/3 (LE Roles – Peripheral Role) OR ((31/14 (SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) AND 38/3 (BR/EDR/LE Roles – Peripheral Role))) is supported, otherwise Excluded.

Table 24: Peripheral Bonding Modes and Procedures

Prerequisite: GAP 38/3 or GAP 5/3

Item	Capability	System Spec Reference	Support	Status	Comment
24/1	Non-Bondable Mode	[3], 9.4.2	M	☑	
24/2	Bondable Mode	[3] 9.4.3, 13.1.4.2 [7] 9.4.3, 13.2	C.1	☑	C.1: Optional IF 5/3 (LE Only – Peripheral role) is supported; Optional IF ((SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) AND 38/3 (BR/EDR/LE Roles – Peripheral Role) AND (NOT 26/1a (Privacy Feature 1.1))) is supported; Mandatory IF (26/1a (Privacy Feature v1.1) is supported otherwise Excluded.
24/3	Bonding Procedure	[3] 9.4.4, 13.1.4.2 [7] 9.4.4, 13.2	C.1	☑	C.1: Optional IF 5/3 (LE Only – Peripheral role) is supported; Optional IF ((SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) AND 38/3 (BR/EDR/LE Roles – Peripheral Role) AND (NOT 26/1a (Privacy Feature 1.1))) is supported; Mandatory IF (26/1a (Privacy Feature v1.1) is supported otherwise Excluded.
24/4	Multiple Bonds	[3] 9.4, 13.1.4.2 [7] 9.4	C.2	☑	C.2: Optional if 24/2 (Bondable Mode) is supported, otherwise Excluded.

Table 25: Peripheral Security Aspects Features

Prerequisite: GAP 38/3 or GAP 5/3

Item	Capability	System Spec Reference	Support	Status	Comment
25/1	Security Mode 1	[3] 10.2.1, 13.1.2.2, [7] 10.2.1	C.2	☑	C.2: Optional IF 5/3 (LE Roles – Peripheral Role) is supported; Optional IF ((SUMICS 31/14 (Core Spec Version 4.1) OR (SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) AND 38/3 (BR/EDR/LE Roles – Peripheral Role)) is supported, otherwise Excluded.
25/2	Security Mode 2	[3] 10.2.2, 13.1.2.2, [7] 10.2.2	C.2	☑	C.2: Optional IF 5/3 (LE Roles – Peripheral Role) is supported; Optional IF ((SUMICS 31/14 (Core Spec Version 4.1) OR (SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) AND 38/3 (BR/EDR/LE Roles – Peripheral Role)) is supported, otherwise Excluded.
25/3	Authentication Procedure	[3] 10.2.3, 13.1.2.2, [7] 10.2.3	C.2	☑	C.2: Optional IF 5/3 (LE Roles – Peripheral Role) is supported; Optional IF ((SUMICS 31/14 (Core Spec Version 4.1) OR (SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) AND 38/3 (BR/EDR/LE Roles – Peripheral Role)) is supported, otherwise Excluded.
25/7	Authenticated Pairing (LE security mode 1 level 3)	[3] 10.3, 13.1.2.2 [7] 10.3	C.1	☑	C.1: Optional if 25/1 is supported, otherwise Excluded.
25/8	Unauthenticated Pairing (LE security mode 1 level 2)	[3] 10.3, 13.1.2.2 [7] 10.3	C.1	☑	C.1: Optional if 25/1 is supported, otherwise Excluded.
25/9	LE Security Mode 1 Level 4	[8] 10.3	C.3	☑	C.3: Mandatory IF SM2/5 (LE Secure Connections) is supported, otherwise Excluded.
25/10	Secure Connections Only Mode	[8] 10.2.4	C.4	☑	C.4 Optional IF 25/9 (LE Security Mode 1 Level 4) is supported, otherwise Excluded.

Table 26: Peripheral Privacy Feature

Prerequisite: GAP 38/3 or GAP 5/3

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

Table 27: Peripheral GAP Characteristics

Item	Capability	System Spec Reference	Support	Status	Comment
27/1	Device Name	[3] or [7] 12.1	M	☑	
27/2	Appearance	[3] or [7] 12.2	M	☑	

Table 28: Central Physical Layer

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	System Spec Reference	Support	Status	Comment
28/1	Transmitter	[3] or [7] 2.2.2	M	☑	
28/2	Receiver	[3] or [7] 2.2.2	M	☑	

Table 29: Central Link Layer States

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	System Spec Reference	Support	Status	Comment
29/1	Standby	[3] or [7] 2.2.2	M	☑	
29/2	Scanning	[3] or [7] 2.2.2	M	☑	
29/3	Initiating	[3] or [7] 2.2.2	M	☑	
29/4	Connection, Master Role	[3] or [7] 2.2.2	M	☑	

Table 30: Central Link Layer Scanning Types

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	System Spec Reference	Support	Status	Comment
30/1	Passive Scanning	[3] or [7] 2.2.2	O	☑	
30/2	Active Scanning	[3] or [7] 2.2.2	C.1	☑	C.1: Mandatory if (5/4 or 38/4) is supported. Optional if 30/1 and (5/4 OR 38/4) is supported, otherwise Excluded.

Table 31: Central Link Layer Control Procedures

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	System Spec Reference	Support	Status	Comment
31/1	Connection Update Procedure	[3] or [7] 2.2.2	M	☑	
31/2	Channel Map Update Procedure	[3] or [7] 2.2.2	M	☑	

31/3	Encryption Procedure	[3] or [7] 2.2.2	O	☑	
31/4	Feature Exchange Procedure	[3] or [7] 2.2.2	M	☑	
31/5	Version Exchange Procedure	[3] or [7] 2.2.2	M	☑	
31/6	Termination Procedure	[3] or [7] 2.2.2	M	☑	
31/8	Slave Initiated Feature Exchange Procedure	[7] 2.2.2	C.2	☑	C.2: Mandatory IF GAP 31/9 (Connection Parameter Request Procedure) is supported, Optional IF ((SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) AND (NOT GAP 31/9 (Connection Parameter Request Procedure))) is supported, otherwise Excluded.
31/9	Connection Parameter Request Procedure	[7] 2.2.2	C.1	☑	C.1: Optional IF ((SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) OR SUMICS 31/18 (Core Spec Version 5.0)) is supported, otherwise Excluded.

Table 32: Central Discovery Modes and Procedures

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	System Spec Reference	Support	Status	Comment
32/2	General Discovery Procedure	[3] 9.2.6, 13.2 [7] 9.2.6	C.1	☑	C.1: Mandatory IF ((SUMICS 31/10 (Core Spec Version 4.0) OR SUMICS 31/10a (Core Spec Version 4.0+HS)) AND (5/4 (LE Only – Central role) OR 40/1 (BR/EDR/LE – General Discovery))) is supported; Mandatory IF (SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) is supported, otherwise Excluded.
32/3	Name Discovery Procedure	[3] 9.2.7, 13.2 [7] 9.2.7	C.3	☑	C.3: Optional IF ((SUMICS 31/10 (Core Spec Version 4.0) OR SUMICS 31/10a (Core Spec Version 4.0+HS)) AND (5/4 (LE Only – Central role) OR 40/4 (BR/EDR/LE – Name Discovery))) is supported, otherwise Optional IF (SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) is supported, otherwise Excluded.

Table 33: Central Connection Modes and Procedures

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	System Spec Reference	Support	Status	Comment
33/1	Auto Connection Establishment Procedure	[3] or [7] 9.3.5	C.3	☑	C.3: Optional IF ((SUMICS 31/10 (4.0) OR SUMICS 31/11 (4.0+HS)) AND (5/4 (LE Only – Central role) OR 40/5 (BR/EDR/LE – Link Establishment))) is supported; Optional IF (Core Spec 4.1 or later) is supported, otherwise Excluded.
33/2	General Connection Establishment	[3] 9.3.6, 13.3.1 [7] 9.3.6	C.1	☑	(1 of 3) C.1: Mandatory IF ((SUMICS 31/10 (4.0) OR SUMICS 31/11 (4.0+HS)) AND (5/4 (LE Only – Central role) OR 40/5 (BR/EDR/LE – Link Establishment)) AND 36/1 (Privacy Feature v1.0)) is supported; (2 of 3) C.1: Optional IF ((SUMICS 31/10 “Core Spec Version 4.0” OR SUMICS 31/10a “Core Spec Version 4.0+HS”) AND (5/4 “LE Only – Central role” OR 40/5 “BR/EDR/LE – Link Establishment” AND (NOT 36/1 “Privacy Feature”))) is supported; (3 of 3) C.1: Optional IF ((SUMICS 31/14 “Core Spec Version 4.1” OR SUMICS 31/15 “Core Spec Version 4.1+HS” OR (SUMICS 31/16 “Core Spec Version 4.2” OR SUMICS 31/17 “Core Spec Version 4.2+HS” OR SUMICS 31/18 “Core Spec version 5.0”)) is supported, otherwise Excluded.
33/4	Direct Connection Establishment	[3] or [7] 9.3.8	C.2	☑	C.2: Mandatory IF ((SUMICS 31/10 (4.0) OR SUMICS 31/11 (4.0+HS)) AND (5/4 (LE Only – Central role) OR 40/5 (BR/EDR/LE – Link Establishment))) is supported; Mandatory IF (Core Spec 4.1 or later) is supported, otherwise Excluded.
33/5	Connection Parameter Update Procedure	[3] or [7] 9.3.9	C.2	☑	C.2: Mandatory IF ((SUMICS 31/10 (4.0) OR SUMICS 31/11 (4.0+HS)) AND (5/4 (LE Only – Central role) OR 40/5 (BR/EDR/LE – Link Establishment))) is supported; Mandatory IF (Core Spec 4.1 or later) is supported, otherwise Excluded.
33/6	Terminate Connection Procedure	[3] or [7] 9.3.10	C.2	☑	C.2: Mandatory IF ((SUMICS 31/10 (4.0) OR SUMICS 31/11 (4.0+HS)) AND (5/4 (LE Only – Central role) OR 40/5 (BR/EDR/LE – Link Establishment))) is supported; Mandatory IF (Core Spec 4.1 or later) is supported, otherwise Excluded.

Table 34: Central Bonding Modes and Procedures

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	System	Support	Status	Comment
------	------------	--------	---------	--------	---------

		Spec Reference			
34/1	Non-Bondable Mode	[3] 9.4.2, 13.1.3 [7] 9.4.2, 13.2	C.1	☑	C.1: Mandatory IF ((SUMICS 31/10 (4.0) OR SUMICS 31/11 (4.0+HS)) AND (5/4 (LE Only – Central role) OR 39/5 (BR/EDR/LE – Non-Bondable Mode))) is supported; Mandatory IF (Core Spec 4.1 or later) is supported, otherwise Excluded.
34/2	Bondable Mode	[3] 9.4.3, 13.1.3 [7] 9.4.3, 13.2	C.2	☑	C.2: Optional IF ((SUMICS 31/10 “Core Spec Version 4.0” OR SUMICS 31/10a “Core Spec Version 4.0+HS”) AND (5/4 “LE Only – Central role” OR 39/6 “BR/EDR/LE – Bondable Mode”)) is supported; Optional IF (SUMICS 31/14 “Core Spec Version 4.1” OR SUMICS 31/15 “Core Spec Version 4.1+HS” OR SUMICS 31/16 “Core Spec Version 4.2” OR SUMICS 31/17 “Core Spec Version 4.2+HS” OR SUMICS 31/18 “Core Spec version 5.0”) is supported, otherwise Excluded.
34/3	Bonding Procedure	[3] 9.4.4, 13.1.3 [7] 9.4.4, 13.2	C.2	☑	C.2: Optional IF ((SUMICS 31/10 “Core Spec Version 4.0” OR SUMICS 31/10a “Core Spec Version 4.0+HS”) AND (5/4 “LE Only – Central role” OR 39/6 “BR/EDR/LE – Bondable Mode”)) is supported; Optional IF (SUMICS 31/14 “Core Spec Version 4.1” OR SUMICS 31/15 “Core Spec Version 4.1+HS” OR SUMICS 31/16 “Core Spec Version 4.2” OR SUMICS 31/17 “Core Spec Version 4.2+HS” OR SUMICS 31/18 “Core Spec version 5.0”) is supported, otherwise Excluded.

Table 35: Central Security Features

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	System Spec Reference	Support	Status	Comment
35/1	Security Mode 1	[3] or [7] 10.2.1	O	☑	
35/2	Security Mode 2	[3] or [7] 10.2.2	O	☑	
35/3	Authentication Procedure	[3] or [7] 10.3	O	☑	
35/7	Authenticated Pairing (LE security mode 1 level 3)	[3] or [7] 10.3	C.1	☑	C.1: Optional if 35/1 is supported, otherwise Excluded.
35/8	Unauthenticated Pairing (LE security mode 1 level 2)	[3] or [7] 10.3	C.1	☑	C.1: Optional if 35/1 is supported, otherwise Excluded.
35/9	LE Security Mode 1 Level 4	[8] 10.3	C.2	☑	C.2: Mandatory IF SM2/5 (LE Secure Connections) is supported, otherwise Excluded.
35/10	Secure Connections Only Mode	[8] 10.2.4	C.3	☑	C.3: Optional IF 35/9 (LE Security Mode 1 Level 4) is supported, otherwise Excluded.

Table 36: Central Privacy Feature

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	System Spec Reference	Support	Status	Comment
36/1	Privacy Feature	[7] 10.7	O	☑	
36/3	Resolvable Private Address Resolution Procedure	[3] or [7] 10.7, 10.8.2.3 [9] 1.3.2.2	C.2	☑	C.2: Mandatory IF (SUMICS 31/10 (Core Spec Version 4.0) OR SUMICS 31/10a (Core Spec Version 4.0+HS) OR GAP 0a/3 (Core Spec version 4.1) OR GAP 0a/4 (Core Spec version 4.2)) AND 36/1 (Privacy Feature) is supported; Optional IF (GAP 0a/3 (Core Spec version 4.1) OR GAP 0a/4 (Core Spec version 4.2)) is supported, otherwise Excluded.
36/5	Resolvable Private Address Generation Procedure	[3] or [7] 10.7, 10.8.2.3 [5] 10.7 [9] 1.3.2.3	C.4	☑	C.4: Mandatory IF (SUMICS 31/10 (Core Spec Version 4.0) OR SUMICS 31/10a (Core Spec Version 4.0+HS) AND 0a/1 (CSA3)) AND (36/1 (Privacy Feature) AND 14/2 (Active Scanning) AND NOT 36/2 (Non-Resolvable Private Address Generation Procedure)) is supported; C.4: (cont.) Mandatory IF (GAP 0a/3 (Core Spec version 4.1) OR GAP 0a/4 (Core Spec version 4.2)) AND 36/1 (Privacy Feature) is supported; Optional IF (GAP 0a/3 (Core Spec version 4.1) OR GAP 0a/4 (Core Spec version 4.2)) is supported, otherwise Excluded.

Table 37: Central GAP Characteristics

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	System Spec Reference	Support	Status	Comment
37/1	Device Name	[3] or [7] 12.1	M	☑	
37/2	Appearance	[3] or [7] 12.2	M	☑	
37/3	Central Address Resolution	[8] 12.4	C.1	☑	C.1: Mandatory IF LL 2/5 (Resolution of Private Addresses) is supported, otherwise Excluded.

Table 38: BR/EDR/LE Roles

Prerequisite: GAP 0/3

Item	Capability	System Spec Reference	Support	Status	Comment
38/3	Peripheral	[3] or [7] 13	C.1	<input checked="" type="checkbox"/>	C.1: It is mandatory to support at least one of the defined roles.
38/4	Central	[3] or [7] 13	C.1	<input checked="" type="checkbox"/>	C.1: It is mandatory to support at least one of the defined roles.

Table 39: Central BR/EDR/LE Modes

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 40: Central BR/EDR/LE Idle Mode Procedures

Prerequisite: GAP 38/4

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 41: Central BR/EDR/LE Security Aspects

Item	Capability	System Spec Reference	Support	Status	Comment
41/1	Security Aspects	[3] 14	M	<input checked="" type="checkbox"/>	
41/2a	Derivation of BR/EDR Link Key from LE LTK	[8] 14.1	C.1	<input checked="" type="checkbox"/>	C.1: Optional IF (SUMICS 31/16 "Core Spec Version 4.2" OR SUMICS 31/17 "Core Spec Version 4.2+HS" OR SUMICS 31/18 "Core Spec Version 5.0") is supported, otherwise Excluded.
41/2b	Derivation of LE LTK from BR/EDR Link Key	[8] 14.1	C.1	<input checked="" type="checkbox"/>	C.1: Optional IF (SUMICS 31/16 "Core Spec Version 4.2" OR SUMICS 31/17 "Core Spec Version 4.2+HS" OR SUMICS 31/18 "Core Spec Version 5.0") is supported, otherwise Excluded.

Table 42: Peripheral BR/EDR/LE Modes

Prerequisite: GAP 38/3

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 43: Peripheral BR/EDR/LE Security Aspects

Item	Capability	System Spec Reference	Support	Status	Comment
43/1	Security Aspects	[3] or [7] 14	M	<input checked="" type="checkbox"/>	
43/2a	Derivation of BR/EDR Link Key from LE LTK	[8] 14.1	C.1	<input checked="" type="checkbox"/>	C.1 Optional IF (SUMICS 31/16 "Core Spec Version 4.2" OR SUMICS 31/17 "Core Spec Version 4.2+HS" OR SUMICS 31/18 "Core Spec Version 5.0") is supported, otherwise Excluded.
43/2b	Derivation of LE LTK from BR/EDR Link Key	[8] 14.1	C.1	<input checked="" type="checkbox"/>	C.1 Optional IF (SUMICS 31/16 "Core Spec Version 4.2" OR SUMICS 31/17 "Core Spec Version 4.2+HS" OR SUMICS 31/18 "Core Spec Version 5.0") is supported, otherwise Excluded.

Table 44: Central Simultaneous BR/EDR and LE Transports

Prerequisite: GAP 38/4

Item	Capability	System Spec Reference	Support	Status	Comment
44/1	Simultaneous BR/EDR and LE Transports – BR/EDR Slave to the same device	[3] or [7] 13.1.1	C.1	<input checked="" type="checkbox"/>	C.1 Optional IF ((SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) is supported, otherwise Excluded.
44/2	Simultaneous BR/EDR and LE Transports – BR/EDR Master to the same device	[3] or [7] 13.1.1	C.1	<input checked="" type="checkbox"/>	C.1 Optional IF ((SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) is supported, otherwise Excluded.

Table 45: Peripheral Simultaneous BR/EDR and LE Transports

Prerequisite: GAP 38/3

Item	Capability	System Spec	Support	Status	Comment
------	------------	-------------	---------	--------	---------

Reference					
45/1	Simultaneous BR/EDR and LE Transports – BR/EDR Slave to the same device	[3] or [7] 13.1.1	C.1	☑	C.1: Optional IF ((SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) is supported, otherwise Excluded.
45/2	Simultaneous BR/EDR and LE Transports – BR/EDR Master to the same device	[3] or [7] 13.1.1	C.1	☑	C.1: Optional IF ((SUMICS 31/14 (Core Spec Version 4.1) OR SUMICS 31/15 (Core Spec Version 4.1+HS) OR SUMICS 31/16 (Core Spec Version 4.2) OR SUMICS 31/17 (Core Spec Version 4.2+HS)) is supported, otherwise Excluded.

Logical Link Control and Adaption Protocol

Table 0: L2CAP Transport Configuration

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

Table 2: General Operation

Item	Capability	System Spec Reference	Support	Status	Comment
2/1	Support of L2CAP signalling channel	[1] 2.2	C.20	☑	C.20: Mandatory if (0/1 or 0/3) is supported, otherwise Excluded.
2/2	Support of configuration process	[1] 7.1	C.20	☑	C.20: Mandatory if (0/1 or 0/3) is supported, otherwise Excluded.
2/3	Support of connection oriented data channel	[1] 2.2	C.20	☑	C.20: Mandatory if (0/1 or 0/3) is supported, otherwise Excluded.
2/4	Support of command echo request	[1] 4.8	C.21	☑	C.21: Optional if (0/1 or 0/3) is supported, otherwise Excluded.
2/5	Support of command echo response	[1] 4.9	C.20	☑	C.20: Mandatory if (0/1 or 0/3) is supported, otherwise Excluded.
2/6	Support of command information request	[1] 4.10	C.21	☑	C.21: Optional if (0/1 or 0/3) is supported, otherwise Excluded.
2/7	Support of command information response	[1] 4.11	C.20	☑	C.20: Mandatory if (0/1 or 0/3) is supported, otherwise Excluded.
2/12	Enhanced Retransmission Mode	[2] 8.6	C.1/C.12	☑	C.1: Mandatory to support at least one of (2/12 or 2/13 or 2/35) if (0/1 or 0/3) and (CSA 1 or Core Spec 3.0 or 3.0+HS or 4.0 or 4.0+HS) are supported, otherwise Optional. C.12: Mandatory IF SUMICS 31/9 “3.0+HS” OR SUMICS 31/10a “4.0+HS” OR SUMICS 31/15 “4.1+HS” OR SUMICS 31/17 “4.2+HS” is supported, otherwise Optional.
2/13	Streaming Mode	[2] 8.7	C.1/C.14	☑	C.1: Mandatory to support at least one of (2/12 or 2/13 or 2/35) if (0/1 or 0/3) and (CSA 1 or Core Spec 3.0 or 3.0+HS or 4.0 or 4.0+HS) are supported, otherwise Optional. C.14: Optional if (Core Spec 3.0 or later) is supported, otherwise Excluded.
2/14	FCS Option	[2] 5.5	C.2	☑	C.2: Optional if (2/12 or 2/13) is supported, otherwise Excluded.
2/15	Generate Local Busy Condition	[2] 8.6.4.3	C.3	☑	C.3: Optional if 2/12 and 2/28 are supported, otherwise Excluded.
2/16	Send Reject	[2] 8.6.1.2	C.3	☑	C.3: Optional if 2/12 and 2/28 are supported, otherwise Excluded.
2/17	Send Selective Reject	[2] 8.6.1.3	C.3	☑	C.3: Optional if 2/12 and 2/28 are supported, otherwise Excluded.
2/18	Mandatory use of ERTM	[2] 8.6	C.4	☑	C.4: If 2/12 is supported then at least one of (2/18 or 2/20) is Mandatory, otherwise Excluded.
2/19	Mandatory use of Streaming Mode	[2] 8.7	C.5	☑	C.5: If 2/13 is supported then at least one of (2/19 or 2/21) is Mandatory, otherwise Excluded.
2/20	Optional use of ERTM	[2] 8.6	C.4	☑	C.4: If 2/12 is supported then at least one of (2/18 or 2/20) is Mandatory, otherwise Excluded.
2/21	Optional use of Streaming Mode	[2] 8.7	C.5	☑	C.5: If 2/13 is supported then at least one of (2/19 or 2/21) is Mandatory, otherwise Excluded.
2/22	Send data using SAR in ERTM	[2] 3.3.2	C.6	☑	C.6: Optional if 2/12 is supported, otherwise Excluded.
2/23	Send data using SAR in Streaming Mode	[2] 3.3.2	C.7	☑	C.7: Optional if 2/13 is supported, otherwise Excluded.

2/24	Actively request Basic Mode for a PSM that supports the use of ERTM or Streaming Mode	[2] 5.4	C.8	☑	C.8: Optional if (2/12 or 2/13) is supported, otherwise Excluded.
2/25	Supports performing L2CAP channel mode configuration fallback from SM to ERTM	[2] 5.4	C.9	☑	C.9: Mandatory if (2/12 and 2/13 and 2/21) are supported, otherwise Excluded.
2/26	Supports sending more than one unacknowledged I-Frame when operating in ERTM	[2] 8.6.5	C.10	☑	C.10: Optional if 2/12 is supported, otherwise Excluded.
2/27	Supports sending more than three unacknowledged I-Frame when operating in ERTM	[2] 8.6.5	C.10	☑	C.10: Optional if 2/12 is supported, otherwise Excluded.
2/28	Supports configuring the peer TxWindow greater than 1.	[2] 5.4	C.11	☑	C.11: Optional if 2/12 is supported, otherwise Excluded.
2/30	Fixed Channel Support	[3] 2.1	C.12	☑	C.12: Mandatory IF SUMICS 31/9 "3.0+HS" OR SUMICS 31/10a "4.0+HS" OR SUMICS 31/15 "4.1+HS" OR SUMICS 31/17 "4.2+HS" is supported, otherwise Optional.
2/40	Support of Low Energy signaling channel	[4] 2.1, 2.2	C.17	☑	C.17: Mandatory (0/2 OR 0/3) is supported, otherwise Excluded.
2/41	Support of command reject	[4] 4.10	C.17	☑	C.17: Mandatory (0/2 OR 0/3) is supported, otherwise Excluded.
2/42	Send Connection Parameter Update Request	[4] 4.20	C.18	☑	C.18: Optional if (Core Spec 4.0) and 1/4 is supported, otherwise Excluded.
2/43	Send Connection Parameter Update Response	[4] 4.21	C.19	☑	C.19: Mandatory if (Core Spec 4.0) and 1/3 is supported, otherwise Excluded.
2/45	Send Disconnect Request Command	[1] 4.6	C.25	☑	C.25: Optional IF L2CAP 2/1 "L2CAP signaling channel" is supported, otherwise Excluded.
2/46	Support LE Credit Based Flow Control Mode	[5] 3.4	C.23	☑	C.23: Optional IF (L2CAP 0/2 (LE) or L2CAP 0/3 (BR/EDR/LE)) and SUMICS 21/13 (v4.1) are supported, otherwise Excluded.
2/47	Support for LE Data Channel	[1] 3.4	C.24	☑	C.24: Mandatory IF L2CAP 2/46 (Support LE Credit Based Flow Control Mode) is supported, otherwise Excluded.

Table 3: Configurable Parameters

Item	Capability	System Spec Reference	Support	Status	Comment
3/1	Support of RTX timer	[1] 6.2.1	M	☑	
3/2	Support of ERTX timer	[1] 6.2.2	C.4	☑	C.4: Mandatory if (0/1 or 0/3) is supported, otherwise Excluded.
3/3	Support minimum MTU size 48 octets	[1] 5.1	C.4	☑	C.4: Mandatory if (0/1 or 0/3) is supported, otherwise Excluded.
3/4	Support MTU size larger than 48 octets	[1] 5.1	C.5	☑	C.5: Optional if (0/1 or 0/3) is supported, otherwise Excluded.
3/5	Support of flush timeout value for reliable channel	[1] 5.2	C.4	☑	C.4: Mandatory if (0/1 or 0/3) is supported, otherwise Excluded.
3/12	Support minimum MTU size 23 octets	[4] 5.1	C.6	☑	C.6: Mandatory if (0/2 or 0/3) is supported, otherwise Excluded.
3/16	Support Multiple Simultaneous LE Data Channels	[5] 3.4	C.10	☑	C.10: Optional IF L2CAP 2/47 (Support LE Data Channel) AND SUMICS 21/13 (v4.1) is supported, otherwise Excluded.

Table 1: Roles

Item	Capability	System Spec Reference	Support	Status	Comment
1/1	Data Channel Initiator	[1] 2	C.3	☑	C.3: Optional if (L2CAP 0/1 OR L2CAP 0/3) is claimed, ELSE Excluded.
1/2	Data Channel Acceptor	[1] 2	C.1	☑	C.1: Mandatory if (0/1 or 0/3) is supported, otherwise Excluded.

1/3	LE Master	[4] 2	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory to support at least one of (1/3 or 1/4) if (0/2 OR 0/3) is supported, otherwise Excluded.
1/4	LE Slave	[4] 2	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory to support at least one of (1/3 or 1/4) if (0/2 OR 0/3) is supported, otherwise Excluded.
1/5	LE Data Channel Initiator	[5] 3.4	C.4	<input checked="" type="checkbox"/>	C.4: Optional IF (L2CAP 0/2 (LE) OR L2CAP 0/3 (BR/EDR/LE)) AND SUMICS 21/13 (v4.1) AND L2CAP 2/46 (LE Credit Based Flow Control Mode) is supported, otherwise Excluded.
1/6	LE Data Channel Acceptor	[5] 3.4	C.5	<input checked="" type="checkbox"/>	C.5: Mandatory IF (L2CAP 0/2 (LE) OR L2CAP 0/3 (BR/EDR/LE)) AND SUMICS 21/13 (v4.1) AND L2CAP 2/46 (LE Credit Based Flow Control Mode) is supported, otherwise Excluded.

Serial Port Profile

Table 0: Profile Version

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

Table 1: Device Role

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

Table 2: Support of Serial Profile Service

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 3: Application procedures

Item	Capability	System Spec Reference	Support	Status	Comment
3/1	Establish link and set up virtual serial connection	SPP, 3.1	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory for DeviceA, Irrelevant for DeviceB
3/2	Accept link and virtual serial connection establishment	SPP, 3.1	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory for DeviceB, Irrelevant for DeviceA
3/3	Register Service record for application in local SDP database	SPP, 3.1	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory for DeviceB, Irrelevant for DeviceA
3/4	No release in Sniff mode. Sniff mode enabled in the Link Manager	SPP, 3.2	O	<input checked="" type="checkbox"/>	
3/7	No release after Master/Slave switch. M/S switch enabled in the Link Manager	SPP, 2.4	O	<input checked="" type="checkbox"/>	

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

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

Table 5: Encryption

Item	Capability	System Spec Reference	Support	Status	Comment
5/1	Initiate Encryption	SPP, 2.4	O	☑	
5/2	Accept Encryption Request	SPP 2.4	M	☑	
5/3	Point to Point Encryption	SPP 7.1	M	☑	
5/4	Stop Encryption	SPP 7.1	M	☑	

RFCOMM**Table 0: Protocol Version**

Item	Capability	System Spec Reference	Support	Status	Comment
0/1	RFCOMM 1.1 with TS 07.10	RFCOMM 1.1	C.1	☑	C.1: Mandatory to support one and only one of the protocol versions.

Table 1: Supported Procedures

Item	Capability	System Spec Reference	Support	Status	Comment
1/1	Initialize RFCOMM session	5.2.1	C.2	☑	C.2: Mandatory if SPP 1/1 (Device A) is supported, otherwise Excluded.
1/2	Respond to initialisation of an RFCOMM session	5.2.1	C.1	☑	C.1: Mandatory if SPP 1/2 (Device B) is supported, otherwise Excluded.
1/3	Shutdown RFCOMM session	5.2.2	M	☑	
1/4	Respond to a shutdown for an RFCOMM session	5.2.2	M	☑	
1/5	Establish DLC	5.2.1	C.2	☑	C.2: Mandatory if SPP 1/1 (Device A) is supported, otherwise Excluded.
1/6	Respond to establishment of a DLC	5.2.1	C.1	☑	C.1: Mandatory if SPP 1/2 (Device B) is supported, otherwise Excluded.
1/7	Disconnect DLC	5.2	M	☑	
1/8	Respond to disconnection of a DLC	5.2	M	☑	
1/9	Respond to and send MSC command	2.2	M	☑	
1/10	Initiate Transfer Information	5.1	M	☑	
1/11	Respond to Test command	4.3	M	☑	
1/12	Send Test command	4.3	O	☑	
1/13	React to aggregate flow control	6.3	M	☑	
1/14	Respond to RLS command	5.5.2	M	☑	
1/15	Send RLS command	5.5.2	O	☑	
1/16	Respond to PN command	5.5.3	M	☑	
1/17	Send PN command	5.5.3	C.3	☑	C.3: Mandatory if SPP 1/1 (Device A) is supported, otherwise Optional.
1/18	Send NSC command	4.3	C.4	☑	C.4: Mandatory to support if 0/2 (RFCOMM 1.2) is supported, otherwise Optional.
1/19	Respond to RPN command	5.5.1	M	☑	
1/20	Send RPN command	5.5.1	O	☑	
1/21	Closing multiplexer by first sending a DISC command	5.2.2	O	☑	
1/22	Support of Credit Based Flow Control	6.5	M	☑	

Interoperability Test Specification**Table 1: Interoperability Test Specification**

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

Table 2: Design Configuration

Item	Capability	System Spec Reference	Support	Status	Comment
2/3	BR/EDR/LE	GAP 0/3	C.1	☑	C.1: Mandatory to support one and only one transport.

Low Energy Link Layer

Table 1: Controller States/Roles

Item	Capability	System Spec Reference	Support	Status	Comment
1/1	Advertising State	[1]: 4.4.2	C.1	☑	C.1: Mandatory to support at least one of (1/1 or 1/2 or 1/3).
1/2	Scanning State	[1]: 4.4.3	C.1	☑	C.1: Mandatory to support at least one of (1/1 or 1/2 or 1/3).
1/3	Initiating State	[1]: 4.4.4	C.1	☑	C.1: Mandatory to support at least one of (1/1 or 1/2 or 1/3).
1/4	Slave Role	[1]: 4.5.5	C.3	☑	C.3: Optional if 1/1 is supported, otherwise Excluded.
1/5	Master Role	[1]: 4.5.4	C.2	☑	C.2: Mandatory if 1/3 is supported, otherwise Excluded

Table 2: Device Addresses Types

Item	Capability	System Spec Reference	Support	Status	Comment
2/1	Public Address	[1]: 1.3	C.1	☑	C.1: IF SUMICS 21/9 "Core v4.0" OR SUMICS 21/13 "Core v4.1" is supported it is Mandatory to support at least one of (LL 2/1 "Public Address" OR LL 2/2 "Random Address"), otherwise it is Mandatory to support at least one of (LL 2/1 "Public Address" OR LL 2/3 "Static Address").
2/2	Random Address	[1]: 1.3	C.1	☑	C.1: IF SUMICS 21/9 "Core v4.0" OR SUMICS 21/13 "Core v4.1" is supported it is Mandatory to support at least one of (LL 2/1 "Public Address" OR LL 2/2 "Random Address"), otherwise it is Mandatory to support at least one of (LL 2/1 "Public Address" OR LL 2/3 "Static Address").
2/3	Static Address	[4] 1.3.2.1	C.1	☑	C.1: IF SUMICS 21/9 "Core v4.0" OR SUMICS 21/13 "Core v4.1" is supported it is Mandatory to support at least one of (LL 2/1 "Public Address" OR LL 2/2 "Random Address"), otherwise it is Mandatory to support at least one of (LL 2/1 "Public Address" OR LL 2/3 "Static Address").
2/4	Generation of private addresses	[4] 1.3.2.2	C.3	☑	C.3: Excluded IF SUMICS 21/9 "Core v4.0" OR SUMICS 21/13 "Core v4.1" is supported, otherwise Optional.
2/5	Resolution of private addresses	[4] 1.3.2.3	C.2	☑	C.2: Mandatory if 2/4 (Generation of private address) is supported, otherwise Excluded.

Table 3: Protocol Advertising Features

Item	Capability	System Spec Reference	Support	Status	Comment
3/1	Non-Connectable Undirected Events	[1]: 4.4.2.6	C.1	☑	C.1: Mandatory if GAP 5/1 (Broadcaster) is supported; Optional if GAP 5/3 (Peripheral), otherwise Not Defined.
3/2	Connectable Undirected Events	[1]: 4.4.2.3	C.2	☑	C.2: Mandatory if GAP 5/3 (Peripheral) is supported, otherwise Not Defined.
3/3	Advertising Data	[1]: 4.4.2.3, 4.4.2.5, 4.4.2.6	M	☑	
3/4	Connectable Directed Events	[1]: 4.4.2.4	O	☑	
3/4a	Low Duty Cycle Direct Advertising	[1] 4.4.2.4	C.5	☑	C.5: Optional if (Core Spec 4.1 or later) is supported, otherwise Excluded.
3/5	Scannable Undirected Events	[1]: 4.4.2.5	O	☑	
3/6	Sending Scan Responses	[1]: 4.4.2.3, 4.4.2.5	C.2		C.2: Mandatory if GAP 5/3 (Peripheral) is supported, otherwise Not Defined.



3/7	Accepting Connection Requests	[1]: 4.4.2.3, 4.4.2.4	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory if GAP 5/3 (Peripheral) is supported, otherwise Not Defined.
3/8	Filtering Policies	[1]: 4.3.2	O	<input checked="" type="checkbox"/>	

Table 4: Protocol Scanning Features

Item	Capability	System Spec Reference	Support	Status	Comment
4/1	Passive Scanning	[1]: 4.4.3.1	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if GAP 5/2 (Observer) is supported; otherwise Optional
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.2	<input checked="" type="checkbox"/>	C.2: Mandatory IF (GAP 5/4 (Central) AND NOT LL 4/1 (Passive Scanning)) is supported; otherwise Optional
4/4	Backoff Procedure	[1]: 4.4.3.2	M	<input checked="" type="checkbox"/>	
4/5	Filtering Policies	[1]: 4.3.3	O	<input checked="" type="checkbox"/>	
4/6	Extended Scanner filter policies	[4] 4.4.3	C.3	<input checked="" type="checkbox"/>	C.3: Excluded IF SUMICS 21/9 "Core v4.0" OR SUMICS 21/13 "Core v4.1" is supported, otherwise Optional.

Table 5: Protocol Initiating Features

Prerequisite: LL 1/3

Item	Capability	System Spec 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"/>	

Table 6: Protocol Slave Role Features

Item	Capability	System Spec Reference	Support	Status	Comment
6/1	Slave 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	M	<input checked="" type="checkbox"/>	
6/4a	Requesting Feature Setup	[1] 5.1.4.2	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory IF ((Core Spec 4.1 or later) AND LL 6/10a (Initiating Connection Parameter Request)) are supported.
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"/>	
6/8	No Longer Used	-	-	<input checked="" type="checkbox"/>	
6/9	No Longer Used	-	-	<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.3	<input checked="" type="checkbox"/>	C.3: Optional IF (Core Spec 4.1 or later) is supported, otherwise Excluded.
6/10b	Accepting Connection Parameter Request	[1] 5.1	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory IF ((Core Spec 4.1 or later) AND LL 6/10a (Initiating Connection Parameter Request)) are supported.
6/11	Accepting Channel Map Update	[1]: 5.1.2	M	<input checked="" type="checkbox"/>	
6/12	Encryption Start	[1]: 5.1.3	O	<input checked="" type="checkbox"/>	
6/13	Connection Control Timer	[1]: 5.2	M	<input checked="" type="checkbox"/>	
6/14	Sending Termination	[1]: 5.1.6	M	<input checked="" type="checkbox"/>	

6/15	Accepting Termination	[1]: 5.1.6	M	✓	
6/16	Connection Supervision Timer	[1]: 4.5.2	M	✓	
6/18	Slave Pause Encryption	[1]: 5.1.3	O	✓	
6/19	Slave Version Exchange	[1]: 5.1.5	M	✓	
6/20	Slave listens to multiple packets per connection event	4.5.7	O	✓	
6/21	LE Authenticated Payload Timeout	[3] 5.4	C.5	✓	C.5: Mandatory IF LL 9/2 "LE Ping" is supported, otherwise Excluded.
6/22	Data Length Update Procedure	[4] 5.1.9	C.4	✓	C.4: Mandatory IF LL 9/6 (LE Data Packet Length Extension) is supported, otherwise Excluded.

Table 7: Protocol Master Role Features

Item	Capability	System Spec Reference	Support	Status	Comment
7/1	Master 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	M	✓	
7/4a	Responding in Feature Setup	[1] 5.1.4.2	C.2	✓	C.2: Mandatory IF ((Core Spec 4.1 or later) AND LL 7/10b (Accepting Connection Parameter Request) is supported, 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	✓	
7/8	No Longer Used	-	-	✓	
7/9	No Longer Used	-	-	✓	
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 ((Core Spec 4.1 or later) AND LL 7/10b (Accepting Connection Parameter Request) is supported, otherwise Excluded.
7/10b	Accepting Connection Parameter Request	[1] 5.1	C.3	✓	C.3: Optional if IF (Core Spec 4.1 or later) is supported, otherwise Excluded.
7/11	Requesting Channel Map Update	[1]: 5.1.2	M	✓	
7/12	Encryption Start	[1]: 5.1.3	O	✓	
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	✓	
7/18				✓	
7/19	Master Pause Encryption	[1]: 5.1.3	O	✓	
7/20	Master Version Exchange	[1]: 5.1.5	M	✓	
7/21	LE Authenticated Payload Timeout	[3] 5.4	C.5	✓	C.5: Mandatory IF LL 9/2 "LE Ping" is supported, otherwise Excluded.
7/22	Data Length Update Procedure	[4] 5.1.9	C.4	✓	C.4: Mandatory IF LL 9/6 (LE Data Packet Length Extension) is supported, otherwise Excluded.

Table 8: Physical Channels

Item	Capability	System Spec Reference	Support	Status	Comment
8/1	Data channels (channel index 0 to 36)	[1]:1.4	C.1	✓	C.1: Mandatory if (1/4 or 1/5) is supported, otherwise Excluded.
8/2	Advertising channels (at least one of channel index 37,	[1]:1.4.1	M	✓	

8/3	Support Data channel selection algorithm	[1]: 4.5.8	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if (1/4 or 1/5) is supported, otherwise Excluded.
-----	--	------------	-----	-------------------------------------	--

Table 9: Supported Features

Item	Capability	System Spec Reference	Support	Status	Comment
9/1	LE Encryption	[1] 4.6.1	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if (6/12 and 6/18) or (7/12 and 7/19) are supported, otherwise Excluded.
9/2	LE Ping Procedure	[3] 4.6.5	C.4	<input checked="" type="checkbox"/>	C.4: Excluded IF SUMICS 21/9 "Core v4.0" is supported, otherwise Optional.
9/3	Connection Parameter Request Procedure	[1] 4.6.2	C.2	<input checked="" type="checkbox"/>	C.2: Excluded IF SUMICS 21/9 "Core v4.0" is supported, otherwise Mandatory IF (LL 6/10a "Initiating Connection Parameter Request" OR LL 7/10b "Accepting Connection Parameter Request") are supported, otherwise Excluded.
9/4	Extended Reject Indication	[1] 4.6.3	C.3	<input checked="" type="checkbox"/>	C.3: Excluded IF SUMICS 21/9 "Core v4.0" is supported, otherwise Mandatory IF LL 9/3 "Connection Parameter Request Procedure"; otherwise Optional.
9/5	Slave-initiated Features Exchange	[1] 4.6.4	C.4	<input checked="" type="checkbox"/>	C.4: Excluded IF SUMICS 21/9 "Core v4.0" is supported, otherwise Optional.
9/6	LE Data Packet Length Extension	[4] 4.6.6	C.5	<input checked="" type="checkbox"/>	C.5: Excluded IF SUMICS 21/9 "Core v4.0" OR SUMICS 21/13 "Core v4.1" is supported, otherwise Optional.

Table 10: Scatternet Capabilities

Item	Capability	System Spec Reference	Support	Status	Comment
10/1	Act as LE Master and LE Slave at the same time	[3] 1.1.1	<input type="radio"/>	<input checked="" type="checkbox"/>	
10/2	Act as LE Slave to more than one LE Master at the same time.	[3] 1.1.1	<input type="radio"/>	<input checked="" type="checkbox"/>	

Low Energy RF PHY

Table 1: Bluetooth LE RF Capabilities

Item	Capability	System Spec Reference	Support	Status	Comment
1/3	LE Transceiver (Connectable, Peripheral/Central)	[2], 3, 4	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one of these capabilities.

Table 2: Bluetooth LE Test Interface Capabilities

Item	Capability	System Spec Reference	Support	Status	Comment
2/1	HCI Test Interface	[3], 2	C.1	<input checked="" type="checkbox"/>	C.1: At least one of the capabilities shall be supported.

Generic Attribute Profile

Table 1: Generic Attribute Profile Support

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

Table 2: Attribute Protocol Transport

Item	Capability	System Spec	Support	Status	Comment
------	------------	-------------	---------	--------	---------

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

Table 3: Generic Attribute Profile Feature Support, by client

Item	Capability	System Spec Reference	Support	Status	Comment
3/2	Discover All Primary Services	4.4.1	C.1	☑	C.1: Mandatory if 1/3 is supported, otherwise Optional.
3/3	Discover Primary Services by Service UUID	4.4.2	C.4	☑	C.4: Mandatory IF GATT 1/3 (Complete GATT Client) is supported OR ATT 3/6 (Find by Type Value Request), otherwise Optional.
3/4	Find Included Services	4.5.1	C.1	☑	C.1: Mandatory if 1/3 is supported, otherwise Optional.
3/5	Discover All characteristics of a Service	4.6.1	C.1	☑	C.1: Mandatory if 1/3 is supported, otherwise Optional.
3/6	Discover Characteristics by UUID	4.6.2	C.1	☑	C.1: Mandatory if 1/3 is supported, otherwise Optional.
3/7	Discover All Characteristic Descriptors	4.7.1	C.1	☑	C.1: Mandatory if 1/3 is supported, otherwise Optional.
3/8	Read Characteristic Value	4.8.1	C.1	☑	C.1: Mandatory if 1/3 is supported, otherwise Optional.
3/9	Read Using Characteristic UUID	4.8.2	C.1	☑	C.1: Mandatory if 1/3 is supported, otherwise Optional.
3/10	Read Long Characteristic Values	4.8.3	C.1	☑	C.1: Mandatory if 1/3 is supported, otherwise Optional.
3/11	Read Multiple Characteristic Values	4.8.4	C.1	☑	C.1: Mandatory if 1/3 is supported, otherwise Optional.
3/12	Write without Response	4.9.1	C.1	☑	C.1: Mandatory if 1/3 is supported, otherwise Optional.
3/14	Write Characteristic Value	4.9.3	C.1	☑	C.1: Mandatory if 1/3 is supported, otherwise Optional.
3/15	Write Long Characteristic Values	4.9.4	C.1	☑	C.1: Mandatory if 1/3 is supported, otherwise Optional.
3/16	Characteristic Value Reliable Writes	4.9.5	C.1	☑	C.1: Mandatory if 1/3 is supported, otherwise Optional.
3/17	Notifications	4.10.1	C.1	☑	C.1: Mandatory if 1/3 is supported, otherwise Optional.
3/18	Indications	4.11.1	M	☑	
3/19	Read Characteristic Descriptors	4.12.1	C.1	☑	C.1: Mandatory if 1/3 is supported, otherwise Optional.
3/20	Read Long Characteristic Descriptors	4.12.2	C.1	☑	C.1: Mandatory if 1/3 is supported, otherwise Optional.
3/21	Write Characteristic Descriptors	4.12.3	C.1	☑	C.1: Mandatory if 1/3 is supported, otherwise Optional.
3/22	Write Long Characteristic Descriptors	4.12.4	C.1	☑	C.1: Mandatory if 1/3 is supported, otherwise Optional.
3/23	Service Changed Characteristic	7.1	M	☑	

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

Prerequisite: GATT 1/3

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 4: Attribute Profile Support, by server

Item	Capability	System Spec Reference	Support	Status	Comment
4/1	Exchange MTU	4.3.1	C.6	☑	C.6: Mandatory IF GATT 1/4 (Complete GATT Server) OR ATT 4/3 (Exchange MTU Response) is supported, otherwise Optional.
4/2	Discover All Primary Services	4.4.1	M	☑	

4/3	Discover Primary Services by Service UUID	4.4.2	M	<input checked="" type="checkbox"/>	
4/4	Find Included Services	4.5.1	M	<input checked="" type="checkbox"/>	
4/5	Discover All characteristics of a Service	4.6.1	M	<input checked="" type="checkbox"/>	
4/6	Discover Characteristics by UUID	4.6.2	M	<input checked="" type="checkbox"/>	
4/7	Discover All Characteristic Descriptors	4.7.1	M	<input checked="" type="checkbox"/>	
4/8	Read Characteristic Value	4.8.1	M	<input checked="" type="checkbox"/>	
4/9	Read Using Characteristic UUID	4.8.2	M	<input checked="" type="checkbox"/>	
4/10	Read Long Characteristic Values	4.8.3	C.4	<input checked="" type="checkbox"/>	C.4: Mandatory if 1/4 is supported, otherwise Optional.
4/11	Read Multiple Characteristic Values	4.8.4	C.4	<input checked="" type="checkbox"/>	C.4: Mandatory if 1/4 is supported, otherwise Optional.
4/12	Write without Response	4.9.1	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory if 4/13 is supported, otherwise Optional.
4/14	Write Characteristic Value	4.9.3	C.3	<input checked="" type="checkbox"/>	C.3: Mandatory if 4/15 is supported, otherwise Optional.
4/15	Write Long Characteristic Values	4.9.4	C.4	<input checked="" type="checkbox"/>	C.4: Mandatory if 1/4 is supported, otherwise Optional.
4/16	Characteristic Value Reliable Writes	4.9.5	C.4	<input checked="" type="checkbox"/>	C.4: Mandatory if 1/4 is supported, otherwise Optional.
4/17	Notifications	4.10.1	C.4	<input checked="" type="checkbox"/>	C.4: Mandatory if 1/4 is supported, otherwise Optional.
4/18	Indications	4.11.1	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if service definitions on the server can be added, changed, or removed, otherwise Optional.
4/19	Read Characteristic Descriptors	4.12.1	C.4	<input checked="" type="checkbox"/>	C.4: Mandatory if 1/4 is supported, otherwise Optional.
4/20	Read Long Characteristic Descriptors	4.12.2	C.4	<input checked="" type="checkbox"/>	C.4: Mandatory if 1/4 is supported, otherwise Optional.
4/21	Write Characteristic Descriptors	4.12.3	C.4	<input checked="" type="checkbox"/>	C.4: Mandatory if 1/4 is supported, otherwise Optional.
4/22	Write Long Characteristic Descriptors	4.12.4	C.4	<input checked="" type="checkbox"/>	C.4: Mandatory if 1/4 is supported, otherwise Optional.
4/23	Service Changed Characteristic	7.1	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if service definitions on the server can be added, changed, or removed, otherwise Optional.

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

Prerequisite: GATT 1/4

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 5: Deleted

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 6: SDP Interoperability

Prerequisite: GATT 2/1

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

Table 7: Attribute Protocol Transport

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

7/2	LE Security Mode 1	GAP 10.2.1	C.5	<input checked="" type="checkbox"/>	C.5: Mandatory IF ATT 5/2 (LE Security Mode 1) is supported, Optional IF GATT 2/2 (Attribute Protocol Supported over LE) is supported, otherwise Excluded.
7/3	LE Security Mode 2	GAP 10.2.2	C.6	<input checked="" type="checkbox"/>	C.6: Mandatory IF ATT 5/3 "LE Security Mode 2" is supported, Optional IF GATT 2/2 "Attribute Protocol Supported over LE" is supported, otherwise Excluded.
7/4	LE Authentication Procedure	GAP 10.3	C.4	<input checked="" type="checkbox"/>	C.4: Mandatory IF ATT 5/4 (LE Authentication Procedure) is supported, Optional IF GATT 2/2 (Attribute Protocol Supported over LE) is supported, otherwise Excluded.
7/5	LE connection data signing procedure	GAP 10.4.1	C.2	<input checked="" type="checkbox"/>	C.2: Optional if 2/2 is supported, otherwise Excluded.
7/6	LE Authenticate signed data procedure	GAP 10.4.2	C.2	<input checked="" type="checkbox"/>	C.2: Optional if 2/2 is supported, otherwise Excluded.

Table 8: Attribute Protocol Transport

Item	Capability	System Spec Reference	Support	Status	Comment
8/1	Support for Multiple ATT bearers from same device.	[2] 3.3.3.3	O	<input checked="" type="checkbox"/>	

Security Manager Protocol

Table 1: Roles

Item	Capability	System Spec Reference	Support	Status	Comment
1/1	Master Role (Initiator)	[1] 2.4	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support if 1/2 (Slave Role (Responder)) is NOT supported, otherwise Optional
1/2	Slave Role (Responder)	[1] 2.4	C.2	<input checked="" type="checkbox"/>	C.2: Optional IF (((SUMICS 31/10 (4.0) OR SUMICS 31/10a (4.0+HS)) AND (GAP 5/3 (LE Roles – Peripheral Role)) OR ((SUMICS 31/14 (4.1) OR SUMICS 31/15 (4.1+HS) OR SUMICS 31/16 (4.2) OR SUMICS 31/17 (4.2+HS)) AND (GAP 5/3 (LE Roles – Peripheral Role) OR GAP 38/3 (BR/EDR/LE Roles – Peripheral Role))))

Table 2: Security Properties

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

Table 3: Encryption Key Size

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

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

Table 4: Pairing Method

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

Table 5: Security Initiation

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

5/2	Encryption Setup using LTK	[1] 2.4	O	☑	
5/3	Slave Initiated Security	[1] 2.4.6	C.1	☑	C.1: Optional if 1/2 is supported, otherwise Excluded.
5/4	Slave Initiated Security – Master response	[1] 2.4.6	C.2	☑	C.2: Mandatory if 1/1 is supported, otherwise Excluded.

Table 6: Signing Algorithm

Item	Capability	System Spec Reference	Support	Status	Comment
------	------------	-----------------------	---------	--------	---------

Table 7: Key Distribution

Item	Capability	System Spec Reference	Support	Status	Comment
7/1	Encryption Key	GAP 9.4.3	C.1	☑	C.1: Mandatory if (GAP 24/2 or 42/6) is supported, otherwise Optional.
7/2	Identity Key	GAP 10.7	C.2	☑	C.2: Mandatory if (GAP 26/3) is supported, otherwise Optional.
7/3	Signing Key	GAP 10.4	C.3	☑	C.3: Mandatory if (GAP 25/6 or 35/6) is supported, otherwise Optional.

Attribute Protocol

Table 1: Attribute Protocol Support

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

Table 2: Attribute Protocol Transport

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

Table 3: Attribute Protocol Client Messages

Item	Capability	System Spec Reference	Support	Status	Comment
3/1	Attribute Error Response	ATT, 3.4.1.1	M	☑	
3/4	Find Information Request	ATT, 3.4.3.1	C.13	☑	C.13: Mandatory IF GATT 3/7 (GATT Client Discover All Characteristic Descriptors) is supported, otherwise Optional.
3/5	Find Information Response	ATT, 3.4.3.2	C.9	☑	C.9: Mandatory if 3/4 is supported, otherwise Excluded.
3/6	Find by Type Value Request	ATT, 3.4.4.3	C.12	☑	C.12: Mandatory IF GATT 3/3 (GATT Client Discover Primary Services by Service UUID) is supported, otherwise Optional.
3/7	Find by Type Value Response	ATT, 3.4.4.4	C.2	☑	C.2: Mandatory if 3/6 is supported, otherwise Excluded.
3/8	Read by Type Request	ATT, 3.4.4.1	C.15	☑	C.15: Mandatory IF GATT 3/9 (GATT Client Read Using Characteristic UUID) is supported, otherwise Optional.
3/9	Read by Type Response	ATT, 3.4.4.2	C.3	☑	C.3: Mandatory if 3/8 is supported, otherwise Excluded.
3/10	Read	ATT,	C.14	☑	C.14: Mandatory IF GATT 3/8 (GATT Client Read Characteristic Value) OR GATT 3/19 (GATT Client Read

	Request	3.4.4.3			Characteristic Descriptors) is supported, otherwise Optional.
3/11	Read Response	ATT, 3.4.4.4	C.10	☑	C.10: Mandatory if 3/10 is supported, otherwise Excluded.
3/12	Read Blob Request	ATT, 3.4.4.5	C.16	☑	C.16: Mandatory IF GATT 3/10 (GATT Client Read Long Characteristic Values) OR GATT 3/20 (GATT Client Read Long Characteristic Descriptors) is supported, otherwise Optional.
3/13	Read Blob Response	ATT, 3.4.4.6	C.4	☑	C.4: Mandatory if 3/12 is supported, otherwise Excluded.
3/14	Read Multiple Request	ATT, 3.4.4.7	C.17	☑	C.17: Mandatory IF GATT 3/11 (GATT Client Read Multiple Characteristic Values) is supported, otherwise Optional.
3/15	Read Multiple Response	ATT, 3.4.4.8	C.5	☑	C.5: Mandatory if 3/14 is supported, otherwise Excluded.
3/16	Read by Group Type Request	ATT, 3.4.4.9	O	☑	
3/17	Read by Group Type Response	ATT, 3.4.4.10	C.6	☑	C.6: Mandatory if 3/16 is supported, otherwise Excluded.
3/18	Write Request	ATT, 3.4.5.1	C.20	☑	C.20: Mandatory IF GATT 3/14 (GATT Client Write Characteristic Value) OR GATT 3/21 (GATT Client Write Characteristic Descriptors) is supported, otherwise Optional.
3/19	Write Response	ATT, 3.4.5.2	C.7	☑	C.7: Mandatory if 3/18 is supported, otherwise Excluded
3/20	Write Command	ATT, 3.4.5.3	C.18	☑	C.18: Mandatory IF GATT 3/12 (GATT Client Write without Response) is supported, otherwise Optional.
3/22	Prepare Write Request	ATT, 3.4.6.1	C.21	☑	C.21: Mandatory IF GATT 3/15 (GATT Client Write Long Characteristic Values) OR GATT 3/16 (GATT Client Characteristic Value Reliable Writes) OR GATT 3/22 (GATT Client Write Long Characteristic Descriptors) is supported, otherwise Optional.
3/23	Prepare Write Response	ATT, 3.4.6.2	C.8	☑	C.8: Mandatory if 3/22 is supported, otherwise Excluded.
3/24	Execute Write Request	ATT, 3.4.6.3	C.8	☑	C.8: Mandatory if 3/22 is supported, otherwise Excluded.
3/25	Execute Write Response	ATT, 3.4.6.4	C.8	☑	C.8: Mandatory if 3/22 is supported, otherwise Excluded.
3/26	Handle Value Notification	ATT, 3.4.7.1	C.22	☑	C.22: Mandatory IF GATT 3/17 (GATT Client Notifications) is supported, otherwise Optional.
3/27	Handle-Value Indication	ATT, 3.4.7.2	C.23	☑	C.23: Mandatory IF GATT 3/18 (GATT Client Indications) is supported, otherwise Optional.
3/28	Handle Value Confirmation	ATT, 3.4.7.3	C.24	☑	C.24: Mandatory IF 3/27 (Handle-Value Indication) is supported, otherwise Excluded.
3/29	Client Timeout	ATT, 3.3.3	C.24	☑	C.24: Mandatory IF 3/27 (Handle-Value Indication) is supported, otherwise Excluded.

Table 4: Attribute Protocol Server Messages

Item	Capability	System Spec Reference	Support	Status	Comment
4/1	Attribute Error Response	ATT, 3.4.1.1	M	☑	
4/2	Exchange MTU Request	ATT, 3.4.2.1	M	☑	
4/3	Exchange MTU Response	ATT, 3.4.2.2	M	☑	
4/4	Find Information Request	ATT, 3.4.3.1	M	☑	
4/5	Find Information Response	ATT, 3.4.3.2	M	☑	
4/6	Find by Type Value Request	ATT, 3.4.4.3	M	☑	

4/7	Find by Type Value Response	ATT, 3.4.4.4	M	☑	
4/8	Read by Type Request	ATT, 3.4.4.1	M	☑	
4/9	Read by Type Response	ATT, 3.4.4.2	M	☑	
4/10	Read Request	ATT, 3.4.4.3	M	☑	
4/11	Read Response	ATT, 3.4.4.4	M	☑	
4/12	Read Blob Request	ATT, 3.4.4.5	C.6	☑	C.6: Mandatory IF GATT 4/10 (GATT Server Read Long Characteristic Values) is supported, otherwise Optional.
4/13	Read Blob Response	ATT, 3.4.4.6	C.1	☑	C.1: Mandatory if 4/12 is supported, otherwise Excluded.
4/14	Read Multiple Request	ATT, 3.4.4.7	C.7	☑	C.7: Mandatory IF GATT 4/11 (GATT Server Read Multiple Characteristic Values) is supported, otherwise Optional.
4/15	Read Multiple Response	ATT, 3.4.4.8	C.2	☑	C.2: Mandatory if 4/14 is supported, otherwise Excluded.
4/16	Read by Group Type Request	ATT, 3.4.4.9	M	☑	
4/17	Read by Group Type Response	ATT, 3.4.4.10	M	☑	
4/18	Write Request	ATT, 3.4.5.1	C.10	☑	C.10: Mandatory IF GATT 4/14 (GATT Server Write Characteristic Value) OR GATT 4/21 (GATT Server Write Characteristic Descriptors) is supported, otherwise Optional.
4/19	Write Response	ATT, 3.4.5.2	C.3	☑	C.3: Mandatory if 4/18 is supported, otherwise Excluded.
4/20	Write Command	ATT, 3.4.5.3	C.8	☑	C.8: Mandatory IF GATT 4/12 (GATT Server Write Without Response) is supported, otherwise Optional.
4/22	Prepare Write Request	ATT, 3.4.6.1	C.11	☑	C.11: Mandatory IF GATT 4/15 (GATT Server Write Long Characteristic Values) OR GATT 4/16 (GATT Server Characteristic Value Reliable Writes) OR GATT 4/22 (GATT Server Write Long Characteristic Descriptors) is supported, otherwise Optional.
4/23	Prepare Write Response	ATT, 3.4.6.2	C.4	☑	C.4: Mandatory if 4/22 is supported, otherwise Excluded.
4/24	Execute Write Request	ATT, 3.4.6.3	C.4	☑	C.4: Mandatory if 4/22 is supported, otherwise Excluded.
4/25	Execute Write Response	ATT, 3.4.6.4	C.4	☑	C.4: Mandatory if 4/22 is supported, otherwise Excluded.
4/26	Handle Value Notification	ATT, 3.4.7.1	C.12	☑	C.12: Mandatory IF GATT 4/17 (GATT Server Notifications) is supported, otherwise Optional.
4/27	Handle-Value Indication	ATT, 3.4.7.2	C.13	☑	C.13: Mandatory IF GATT 4/18 (GATT Server Indications) is supported, otherwise Optional.
4/28	Handle Value Confirmation	ATT, 3.4.7.3	C.5	☑	C.5: Mandatory if 4/27 is supported, otherwise Excluded.
4/29	Server Timeout	ATT, 3.3.3	C.5	☑	C.5: Mandatory if 4/27 is supported, otherwise Excluded.

Table 5: Attribute Protocol Transport

Item	Capability	System Spec Reference	Support	Status	Comment
5/1	Security Mode 4	GAP 5	C.1	☑	C.1: Mandatory if 2/1 is supported, otherwise Excluded.
5/2	LE Security Mode 1	GAP 10.2.1	C.2	☑	C.2: Optional if 2/2 is supported, otherwise Excluded.
5/3	LE Security Mode 2	GAP 10.2.2	C.2	☑	C.2: Optional if 2/2 is supported, otherwise Excluded.
5/4	LE Authentication Procedure	GAP 10.3	C.2	☑	C.2: Optional if 2/2 is supported, otherwise Excluded.
5/5	LE connection data signing procedure	GAP 10.4.1	C.2	☑	C.2: Optional if 2/2 is supported, otherwise Excluded.
5/6	LE Authenticate signed data procedure	GAP 10.4.2	C.2	☑	C.2: Optional if 2/2 is supported, otherwise Excluded.