



Project Details

Project Name	FR8010H
Product Type	Component (Tested)
TCRL Version:	TCRL 2019-1
Referenced Qualified Design(s)	
Previously Qualified Design Used in this Qualification(s)	
Listing Date	2020-02-28
Declaration ID	D049642

Product Listing(s)

Name	Website	Category	Publish Date	Model Number	Description
FRQ-BLE5.1		Unique Products	2/28/2020 12:00:00 AM	FR80xxH	FR80xxH is a SOC (system on chip) for rapid development of Bluetooth Low Energy related products. It contains Bluetooth V5.1 (LE Mode) fully compliant system with Freqchip designed firmware and software stack.

Member Company: Qingdao freqchip microelectronics technology co., LTD

Declaring Member

Contact /

Listing Contact Person

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 Qingdao freqchip microelectronics 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:

Owen Liu

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Effective Date: November 10th, 2017.

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1. MEMBERSHIP ACCOUNT REQUIREMENT.

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

2. BLUETOOTH QUALIFICATION PROCESS.

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

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

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

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

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

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

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

6. RECORD KEEPING AND AUDIT.

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

7. ADDITIONAL DISCLAIMERS.

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

Appendix A

Summary ICS

Table 21: Controller Configuration Specification Version

Item	Capability	Reference	Support	Status	Comment
21/17	Core Erratum 10734 Pairing Updates	Erratum 10734	C.7	<input checked="" type="checkbox"/>	C.7: Mandatory IF SUMICS 21/14 OR 21/16 OR 21/18 are supported, otherwise Excluded
21/18	Core Specification Version 5.1. Adopted 15 January 2019	Core 5.1	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support only one Controller Core Specification Version.
21/19	Core Erratum 11838 Key Size Updates	Erratum 11838	M	<input checked="" type="checkbox"/>	

Table 22: EDR Features

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

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

Item	Capability	Reference	Support	Status	Comment
31/20	Core Specification Version 5.1. Adopted 15 January 2019	Core 5.1	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support one and only one Host Core Specification Version.

Table 33: Core Host Electrical Interfaces

Item	Capability	Reference	Support	Status	Comment
33/1	UART Transport Layer	Vol 4, Part A	O	<input checked="" type="checkbox"/>	

Table 34: LE Host Specification Parts

Item	Capability	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.
34/15	Core Erratum 11838 Key Size Updates	Erratum 11838	M	<input checked="" type="checkbox"/>	

Table 41: AMP Controller Specification Version

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

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

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

Item	Capability	Reference	Support	Status	Comment
51/1	Low Energy Controller	Core 4.0	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

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

4.0 Host Controller Interface

Table 1: Roles

Item	Capability	Reference	Support	Status	Comment
1/1	Command Complete Event	7.7.14	M	<input checked="" type="checkbox"/>	
1/1d	Support all LE controller commands	3.3, 7.7	O	<input checked="" type="checkbox"/>	
1/2	Command Status Event	7.7.15	M	<input checked="" type="checkbox"/>	

Table 1a: Generic Events

Item	Capability	Reference	Support	Status	Comment
1a/4	LE Controller	1	C.1	<input checked="" type="checkbox"/>	C.1: It is mandatory to support at least one of the defined roles.

Table 2: Device Setup

Item	Capability	Reference	Support	Status	Comment
2/1	Reset Command	7.3.2	M	<input checked="" type="checkbox"/>	

Table 3: Controller Flow Control

Item	Capability	Reference	Support	Status	Comment
3/5	LE Read Buffer Size Command	7.8.2	M	<input checked="" type="checkbox"/>	

Table 4: Controller Information

Item	Capability	Reference	Support	Status	Comment
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Item	Capability	Reference	Support	Status	Comment
4/1	Read Local Version Information Command	7.4.1	M	☑	
4/2	Read Local Supported Commands Command	7.4.2	M	☑	
4/3	Read Local Supported Features Command	7.4.3	M	☑	
4/5	Read BD_ADDR Command	7.4.6	M	☑	
4/8	LE Read Local Supported Features Command	7.8.3	M	☑	

Table 5: Controller Configuration

Item	Capability	Reference	Support	Status	Comment
5/14	LE Read White List Size Command	7.8.15	M	☑	
5/15	LE Add Device to White List Command	7.8.17	M	☑	
5/16	LE Clear White List Command	7.8.16	M	☑	
5/17	LE Remove Device From White List Command	7.8.18	M	☑	
5/33	LE Set Advertising Set Random Address Command	7.8.52	C.6	☑	C.6: Mandatory IF LL 3/9 “Extended Advertising” is supported, otherwise Excluded.
5/34	LE Set Extended Advertising Parameters Command	7.8.53	C.6	☑	C.6: Mandatory IF LL 3/9 “Extended Advertising” is supported, otherwise Excluded.
5/36	LE Set Extended Advertising Data Command	7.8.54	C.6	☑	C.6: Mandatory IF LL 3/9 “Extended Advertising” is supported, otherwise Excluded.
5/38	LE Set Extended Scan Response Data Command	7.8.55	C.6	☑	C.6: Mandatory IF LL 3/9 “Extended Advertising” is supported, otherwise Excluded.
5/39	LE Scan Request Received Event	7.7.65.19	C.6	☑	C.6: Mandatory IF LL 3/9 “Extended Advertising” is supported, otherwise Excluded.
5/40	LE Set Extended Advertising Enable Command	7.8.56	C.6	☑	C.6: Mandatory IF LL 3/9 “Extended Advertising” is supported, otherwise Excluded.
5/42	LE Read Maximum Advertising Data Length Command	7.8.57	C.6	☑	C.6: Mandatory IF LL 3/9 “Extended Advertising” is supported, otherwise Excluded.
5/43	LE Read Number of Supported Advertising Sets Command	7.8.58	C.6	☑	C.6: Mandatory IF LL 3/9 “Extended Advertising” is supported, otherwise Excluded.
5/47	LE Remove Advertising Set Command	7.8.59	C.6	☑	C.6: Mandatory IF LL 3/9 “Extended Advertising” is supported, otherwise Excluded.
5/48	LE Clear Advertising Sets Command	7.8.60	C.6	☑	C.6: Mandatory IF LL 3/9 “Extended Advertising” is supported, otherwise Excluded.
5/49	LE Advertising Set Terminated Event	7.7.65.18	C.6	☑	C.6: Mandatory IF LL 3/9 “Extended Advertising” is supported, otherwise Excluded.

Table 6: Device Discovery

Item	Capability	Reference	Support	Status	Comment
6/15	LE Set Advertise Enable Command	7.8.10	C.4	☑	C.4: Mandatory if (LL 1/1) is supported, otherwise Optional.
6/16	LE Set Advertising Parameters Command	7.8.6	C.4	☑	C.4: Mandatory if (LL 1/1) is supported, otherwise Optional.
6/17	LE Set Scan Response Data Command	7.8.9	C.5	☑	C.5: Mandatory if (LL 3/2 or 3/5) is supported, otherwise Optional.
6/18	LE Set Advertising Data Command	7.8.8	C.7	☑	C.7: Mandatory if (LL 3/3) is supported, otherwise Optional.
6/19	LE Advertising Report Event	7.7.65.2	C.6	☑	C.6: Mandatory if (LL 1/2) is supported, otherwise Optional.
6/20	LE Set Scan Enable Command	7.8.12	C.6	☑	C.6: Mandatory if (LL 1/2) is supported, otherwise Optional.
6/21	LE Set Scan Parameters Command	7.8.11	C.6	☑	C.6: Mandatory if (LL 1/2) is supported, otherwise Optional.
6/22	LE Read Advertising Channel TX Power Command	7.8.7	C.4	☑	C.4: Mandatory if (LL 1/1) is supported, otherwise Optional.
6/27	LE Set Extended Scan Parameters Command	7.8.64	C.12	☑	C.12: Mandatory IF LL 4/7 “Extended Scanning” is supported, otherwise Excluded.
6/28	LE Set Extended Scan Enable Command	7.8.65	C.12	☑	C.12: Mandatory IF LL 4/7 “Extended Scanning” is supported, otherwise Excluded.
6/29	LE Extended Advertising Report Event	7.7.65.13	C.12	☑	C.12: Mandatory IF LL 4/7 “Extended Scanning” is supported, otherwise

Excluded.

6/36	LE Scan Timeout Event	7.7.65.17	C.12	☑	C.12: Mandatory IF LL 4/7 "Extended Scanning" is supported, otherwise Excluded.
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Table 7: Connection Setup

Item	Capability	Reference	Support	Status	Comment
7/5	Disconnect Command	7.1.6	C.2	☑	C.2: Mandatory if (LL 3/4 or 3/5) is supported, otherwise Optional.
7/23	LE Create Connection Command	7.8.13	C.1	☑	C.1: Mandatory if LL 1/5 and LL 3/3 are supported, otherwise Excluded.
7/24	LE Create Connection Cancel Command	7.8.14	C.1	☑	C.1: Mandatory if LL 1/5 and LL 3/3 are supported, otherwise Excluded.
7/25	LE Connection Complete Event	[1] 7.7.65.1	C.2	☑	C.2: Mandatory IF LL 1/4 "Slave Role" OR LL 1/5 "Master Role" is supported, otherwise Excluded .
7/26	Disconnection Complete Event	[1] 7.7.5	C.2	☑	C.2: Mandatory IF LL 1/4 "Slave Role" OR LL 1/5 "Master Role" is supported, otherwise Excluded .
7/27	LE Connection Update Command	[1] 7.8.18	C.2	☑	C.2: Mandatory IF LL 1/4 "Slave Role" OR LL 1/5 "Master Role" is supported, otherwise Excluded .
7/28	LE Connection Update Complete Event	[1] 7.7.65.3	C.2	☑	C.2: Mandatory IF LL 1/4 "Slave Role" OR LL 1/5 "Master Role" is supported, otherwise Excluded .
7/38	LE Enhanced Connection Complete Event	[1] 7.7.65.10	C.9	☑	C.9: Mandatory IF (LL 1/4 "Slave Role" OR LL 1/5 "Master Role") AND (LL 2/5 "Resolution of private addresses" OR (LL 4/7 "Extended Scanning" AND LL 1/3 "Initiating State")) is supported, otherwise Optional IF (LL 1/4 "Slave Role" OR LL 1/5 "Master Role") is supported, otherwise Excluded.
7/41	LE Extended Create Connection Command	[5] 7.8.66	C.11	☑	C.11: Mandatory IF LL 3/9 "Extended Advertising" AND LL 1/3 "Initiating State" are supported, otherwise Excluded.
7/42	LE Channel Selection Algorithm Event	7.7.65.20	C.12	☑	C.12: Mandatory IF LL 9/10 "Channel Selection Algorithm #2" AND (LL 3/7 "Accepting Connection Requests" OR LL 5/1 "Requesting Connections") are supported, otherwise Excluded.

Table 8: Remote Information

Item	Capability	Reference	Support	Status	Comment
8/5	Read Remote Version Information Command	7.1.23	C.4	☑	C.4: Mandatory if (LL 1/4 or 1/5) is supported, otherwise Optional.
8/6	LE Read Remote Features Command	7.8.22	C.3	☑	C.3: Mandatory if (LL 1/5) is supported, otherwise Optional.
8/7	LE Read Remote Features Complete Event	7.7.65.4	C.3	☑	C.3: Mandatory if (LL 1/5) is supported, otherwise Optional.
8/8	Read Remote Version Information Complete Event	[1] 7.7.12	C.6	☑	C.6: Mandatory IF HCI 8/5 "Read Remote Version Information Command" is supported, otherwise Excluded.

Table 10: Connection State

Item	Capability	Reference	Support	Status	Comment
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Table 13: Physical Links

Item	Capability	Reference	Support	Status	Comment
13/8	LE Set Host Channel Classification Command	[1] 7.8.19	C.5	☑	C.5: Mandatory IF LL 1/5 "Master Role" is supported, otherwise Optional IF LL 3/9 "Extended Advertising" is supported, otherwise Excluded.
13/9	LE Read PHY	7.8.47	C.6	☑	C.6: Excluded IF SUMICS 21/3 "Core v2.0" OR SUMICS 21/4 "Core v2.0 +EDR" OR SUMICS 21/5 "Core

	Command				2.1" OR SUMICS 21/6 "Core 2.1+EDR" OR SUMICS 21/8 "Core 3.0" OR SUMICS 21/9 "Core 4.0" OR SUMICS 21/13 "Core 4.1" OR SUMICS 21/14 (Core 4.2) is supported, otherwise Mandatory IF LL 9/7 "LE 2M PHY" OR LL 9/9 "LE Coded PHY" is supported, otherwise Optional.
13/10	LE Set Default PHY Command	7.8.48	C.6	<input checked="" type="checkbox"/>	C.6: Excluded IF SUMICS 21/3 "Core v2.0" OR SUMICS 21/4 "Core v2.0 +EDR" OR SUMICS 21/5 "Core 2.1" OR SUMICS 21/6 "Core 2.1+EDR" OR SUMICS 21/8 "Core 3.0" OR SUMICS 21/9 "Core 4.0" OR SUMICS 21/13 "Core 4.1" OR SUMICS 21/14 (Core 4.2) is supported, otherwise Mandatory IF LL 9/7 "LE 2M PHY" OR LL 9/9 "LE Coded PHY" is supported, otherwise Optional.
13/11	LE Set PHY Command	7.8.49	C.6	<input checked="" type="checkbox"/>	C.6: Excluded IF SUMICS 21/3 "Core v2.0" OR SUMICS 21/4 "Core v2.0 +EDR" OR SUMICS 21/5 "Core 2.1" OR SUMICS 21/6 "Core 2.1+EDR" OR SUMICS 21/8 "Core 3.0" OR SUMICS 21/9 "Core 4.0" OR SUMICS 21/13 "Core 4.1" OR SUMICS 21/14 (Core 4.2) is supported, otherwise Mandatory IF LL 9/7 "LE 2M PHY" OR LL 9/9 "LE Coded PHY" is supported, otherwise Optional.
13/12	LE PHY Update Complete Event	7.7.65	C.6	<input checked="" type="checkbox"/>	C.6: Excluded IF SUMICS 21/3 "Core v2.0" OR SUMICS 21/4 "Core v2.0 +EDR" OR SUMICS 21/5 "Core 2.1" OR SUMICS 21/6 "Core 2.1+EDR" OR SUMICS 21/8 "Core 3.0" OR SUMICS 21/9 "Core 4.0" OR SUMICS 21/13 "Core 4.1" OR SUMICS 21/14 (Core 4.2) is supported, otherwise Mandatory IF LL 9/7 "LE 2M PHY" OR LL 9/9 "LE Coded PHY" is supported, otherwise Optional.

Table 14: Host Flow Control

Item	Capability	Reference	Support	Status	Comment
14/2	Set Event Mask Command	7.3.1	M	<input checked="" type="checkbox"/>	
14/12	Number of Completed Packets Event	7.7.26	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory if (LL 1/4 OR LL 1/5) is supported otherwise Optional
14/14	LE Set Event Mask Command	7.8.1	M	<input checked="" type="checkbox"/>	

Table 15: Link Information

Item	Capability	Reference	Support	Status	Comment
15/2	Read Transmit Power Level Command	7.3.35	C.4	<input checked="" type="checkbox"/>	C.4: Mandatory if (LL 1/4 or 1/5) is supported, otherwise Optional.
15/4	Read RSSI Command	7.5.4	C.4	<input checked="" type="checkbox"/>	C.4: Mandatory if (LL 1/4 or 1/5) is supported, otherwise Optional.
15/8	LE Read Channel Map Command	7.8.20	C.4	<input checked="" type="checkbox"/>	C.4: Mandatory if (LL 1/4 or 1/5) is supported, otherwise Optional.

Table 16: Authentication and Encryption

Item	Capability	Reference	Support	Status	Comment
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Table 17: Testing

Item	Capability	Reference	Support	Status	Comment
17/7	LE Receiver Test Command	7.8.28	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory if (LL 1/2 or 1/3 or 3/2 or 3/4 or 3/5) is supported, otherwise Optional.
17/8	LE Transmitter Test Command	7.8.29	C.3	<input checked="" type="checkbox"/>	C.3: Mandatory if (LL 1/1 or 1/3 or 4/3) is supported, otherwise Optional.
17/9	LE Test End Command	7.8.30	M	<input checked="" type="checkbox"/>	
17/10	LE Enhanced Receiver Test Command	7.8.50	C.4	<input checked="" type="checkbox"/>	C.4: Excluded if SUMICS 21/14 (Core 4.2) or earlier is supported, otherwise Mandatory IF LL 9/7 "LE 2M PHY" OR LL 9/9 "LE Coded PHY" OR RF PHY 1/4 "LE 2MPHY" OR RF PHY 1/5 "Stable Modulation Index - Transmitter" OR RF PHY 1/6 "Stable Modulation Index - Receiver" is supported, otherwise Optional.
17/11	LE Enhanced Transmitter Test Command	7.8.51	C.4	<input checked="" type="checkbox"/>	C.4: Excluded if SUMICS 21/14 (Core 4.2) or earlier is supported, otherwise Mandatory IF LL 9/7 "LE 2M PHY" OR LL 9/9 "LE Coded PHY" OR RF PHY 1/4 "LE 2MPHY" OR RF PHY 1/5 "Stable Modulation Index - Transmitter" OR RF PHY 1/6 "Stable Modulation Index - Receiver" is supported, otherwise Optional.

Attribute Protocol

Table 1: Attribute Protocol Support

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

Table 2: Attribute Protocol Transport

Item	Capability	Reference	Support	Status	Comment
2/2	Attribute Protocol Supported over LE	ATT 1.3	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory to support at least one of 2/1 or 2/2.

Table 3: Attribute Protocol Client Messages

Prerequisite: 1/1 "Attribute Protocol Client"

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

Prerequisite: 1/2 "Attribute Protocol Server"

Item	Capability	Reference	Support	Status	Comment
4/1	Attribute Error Response	ATT, 3.4.1.1	M	<input checked="" type="checkbox"/>	
4/2	Exchange MTU Request	ATT, 3.4.2.1	M	<input checked="" type="checkbox"/>	
4/3	Exchange MTU Response	ATT, 3.4.2.2	M	<input checked="" type="checkbox"/>	
4/4	Find Information Request	ATT, 3.4.3.1	M	<input checked="" type="checkbox"/>	
4/5	Find Information Response	ATT, 3.4.3.2	M	<input checked="" type="checkbox"/>	
4/6	Find by Type Value Request	ATT, 3.4.4.3	M	<input checked="" type="checkbox"/>	
4/7	Find by Type Value Response	ATT, 3.4.4.4	M	<input checked="" type="checkbox"/>	
4/8	Read by Type Request	ATT, 3.4.4.1	M	<input checked="" type="checkbox"/>	
4/9	Read by Type Response	ATT, 3.4.4.2	M	<input checked="" type="checkbox"/>	
4/10	Read Request	ATT, 3.4.4.3	M	<input checked="" type="checkbox"/>	
4/11	Read Response	ATT, 3.4.4.4	M	<input checked="" type="checkbox"/>	
4/16	Read by Group Type Request	ATT, 3.4.4.9	M	<input checked="" type="checkbox"/>	
4/17	Read by Group Type Response	ATT, 3.4.4.10	M	<input checked="" type="checkbox"/>	

Table 5: Attribute Protocol Transport

Item	Capability	Reference	Support	Status	Comment
5/2	LE Security Mode 1	GAP 10.2.1	C.2	<input checked="" type="checkbox"/>	C.2: Optional if 2/2 is supported, otherwise Excluded.
5/3	LE Security Mode 2	GAP 10.2.2	C.2	<input checked="" type="checkbox"/>	C.2: Optional if 2/2 is supported, otherwise Excluded.
5/4	LE Authentication Procedure	GAP 10.3	C.2	<input checked="" type="checkbox"/>	C.2: Optional if 2/2 is supported, otherwise Excluded.

Generic Access Profile

Generic Access Profile

Table 0: Device Configuration

Item	Capability	Reference	Support	Status	Comment
0/2	LE	[3] or [7] 1.1	C.2	<input checked="" type="checkbox"/>	C.2: Mandatory if (PROD 3/3) is Supported, otherwise excluded.

Table 1: Modes

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

Item	Capability	Reference	Support	Status	Comment
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Table 2: Security Aspects

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

Item	Capability	Reference	Support	Status	Comment
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Table 3: Idle Mode Procedures

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

Item	Capability	Reference	Support	Status	Comment
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Item	Capability	Reference	Support	Status	Comment
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Table 4: Establishment Procedures

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

Item	Capability	Reference	Support	Status	Comment
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Table 5: LE Roles

Prerequisite: GAP 0/2

Item	Capability	Reference	Support	Status	Comment
5/1	Broadcaster	[3] or [7] 2.2.2	C.1	<input checked="" type="checkbox"/>	C.1: It is mandatory to support at least one of the defined roles.
5/2	Observer	[3] or [7] 2.2.2	C.1	<input checked="" type="checkbox"/>	C.1: It is mandatory to support at least one of the defined roles.
5/3	Peripheral	[3] or [7] 2.2.2	C.1	<input checked="" type="checkbox"/>	C.1: It is mandatory to support at least one of the defined roles.
5/4	Central	[3] or [7] 2.2.2	C.1	<input checked="" type="checkbox"/>	C.1: It is mandatory to support at least one of the defined roles.

Table 6: Broadcaster Physical Layer

Prerequisite: GAP 38/1 or GAP 5/1

Item	Capability	Reference	Support	Status	Comment
6/1	Transmitter	[3] or [7] 2.2.2	M	<input checked="" type="checkbox"/>	
6/2	Receiver	[3] or [7] 2.2.2	O	<input checked="" type="checkbox"/>	

Table 7: Broadcaster Link Layer States

Prerequisite: GAP 38/1 or GAP 5/1

Item	Capability	Reference	Support	Status	Comment
7/1	Standby	[3] or [7] 2.2.2	M	<input checked="" type="checkbox"/>	
7/2	Advertising	[3] or [7] 2.2.2	M	<input checked="" type="checkbox"/>	

Table 8: Broadcaster Link Layer Advertising Event Types

Prerequisite: GAP 38/1 or GAP 5/1

Item	Capability	Reference	Support	Status	Comment
8/1	Non-Connectable Undirected Event	[3] or [7] 2.2.2	M	<input checked="" type="checkbox"/>	
8/2	Scannable Undirected Event	[3] or [7] 2.2.2	O	<input checked="" type="checkbox"/>	
8/3	Non-Connectable and Non-Scannable Directed Event	2.2.2	C.1	<input checked="" type="checkbox"/>	C.1: Excluded IF (SUMICS 31/16 "Core Spec version 4.2" OR SUMICS 31/17 "Core Spec Version 4.2+HS") is supported, otherwise Optional.
8/4	Scannable Directed Event	2.2.2	C.1	<input checked="" type="checkbox"/>	C.1: Excluded IF (SUMICS 31/16 "Core Spec version 4.2" OR SUMICS 31/17 "Core Spec Version 4.2+HS") is supported, otherwise Optional.

Table 8a: Broadcaster Link Layer Advertising Data Types

Prerequisite: GAP 38/1 or GAP 5/1

Item	Capability	Reference	Support	Status	Comment
8a/1	AD Type – Service UUID	[3] 11.1.1, [4] 1.1	O	<input checked="" type="checkbox"/>	
8a/2	AD Type – Local Name	[3] 11.1.2, [4] 1.2	O	<input checked="" type="checkbox"/>	
8a/3	AD Type – Flags	[3] 11.1.3, [4] 1.3	O	<input checked="" type="checkbox"/>	
8a/4	AD Type – Manufacturer Specific	[3] 11.1.4, [4] 1.4	O	<input checked="" type="checkbox"/>	

Table 9: Broadcaster Connection Modes and Procedures

Prerequisite: GAP 38/1 or GAP 5/1

Item	Capability	Reference	Support	Status	Comment
9/1	Non-Connectable Mode	[3] or [7] 9.3.2	M	<input checked="" type="checkbox"/>	

Table 10: Broadcaster Broadcasting and Observing Features

Prerequisite: GAP 38/1 or GAP 5/1

Item	Capability	Reference	Support	Status	Comment
10/1	Broadcast Mode	[3] or [7] 9.1.1	M	<input checked="" type="checkbox"/>	

Table 11: Broadcaster Privacy Feature

Prerequisite: GAP 38/1 or GAP 5/1

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

Prerequisite: GAP 38/1 or GAP 5/1

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

Prerequisite: GAP 38/2 or GAP 5/2

Item	Capability	Reference	Support	Status	Comment
12/1	Receiver	[3] or [7] 2.2.2	M	<input checked="" type="checkbox"/>	
12/2	Transmitter	[3], 2.2.2	O	<input checked="" type="checkbox"/>	

Table 13: Observer Link Layer States

Prerequisite: GAP 38/2 or GAP 5/2

Item	Capability	Reference	Support	Status	Comment
13/1	Standby	[3] or [7] 2.2.2	M	<input checked="" type="checkbox"/>	
13/2	Scanning	[3] or [7] 2.2.2	M	<input checked="" type="checkbox"/>	

Table 14: Observer Link Layer Scanning Types

Prerequisite: GAP 38/2 or GAP 5/2

Item	Capability	Reference	Support	Status	Comment
14/1	Passive Scanning	[3] or [7] 2.2.2	M	<input checked="" type="checkbox"/>	
14/2	Active Scanning	[3] or [7] 2.2.2	O	<input checked="" type="checkbox"/>	

Table 15: Observer Connection Modes and Procedures

Prerequisite: GAP 38/2 or GAP 5/2

Item	Capability	Reference	Support	Status	Comment
15/1	Non-Connectable Modes	[3] or [7] 9.3.2	M	<input checked="" type="checkbox"/>	

Table 16: Observer Broadcasting and Observing Features

Prerequisite: GAP 38/2 or GAP 5/2

Item	Capability	Reference	Support	Status	Comment
16/1	Observation Procedure	[3] or [7] 9.1.2	M	<input checked="" type="checkbox"/>	

Table 17: Observer Privacy Feature

Prerequisite: GAP 38/2 or GAP 5/2

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

Prerequisite: GAP 38/2 or GAP 5/2

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

Prerequisite: GAP 38/3 or GAP 5/3

Item	Capability	Reference	Support	Status	Comment
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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	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	M	☑	

Table 20: Peripheral Link Layer Advertising Event Types

Prerequisite: GAP 38/3 or GAP 5/3

Item	Capability	Reference	Support	Status	Comment
20/1	Connectable and Scannable Undirected Event	[3] 2.2.2, 13.1.1.2 [7] 2.2.2	M	☑	

Table 20A: Peripheral Link Layer Advertising Data Types

Prerequisite: GAP 38/3 or GAP 5/3

Item	Capability	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.

Table 21: Peripheral Link Layer Control Procedures

Prerequisite: GAP 5/3 “Peripheral LE-Only” OR GAP 38/3 “Peripheral BR/EDR/LE”

Item	Capability	Reference	Support	Status	Comment
21/1	Connection Update Procedure	[3] 2.2.2, 13.1.2.2 [7] 2.2.2	M	☑	
21/2	Channel Map Update Procedure	[3] 2.2.2, 13.1.2.2 [7] 2.2.2	M	☑	
21/4	Master Initiated Feature Exchange Procedure	[3] 2.2.2, 13.1.2.2 [7] 2.2.2	M	☑	
21/5	Version Exchange Procedure	[3] 2.2.2, 13.1.2.2 [7] 2.2.2	M	☑	
21/6	Termination Procedure	[3] 2.2.2, 13.1.2.2 [7] 2.2.2	M	☑	

Table 22: Peripheral Discovery Modes and Procedures

Prerequisite: GAP 38/3 or GAP 5/3

Item	Capability	Reference	Support	Status	Comment
22/1	Non-Discoverable Mode	[3] 9.2.2, 13.1.1.1 [7] 9.2.2, 13.1	M	☑	
22/3	General Discoverable Mode	[3] 9.2.4, 13.1.1.2 [7] 9.2.4, 13.1	C.1	☑	C.1: Mandatory IF (GAP 5/3 “LE Roles – Peripheral role” AND (NOT GAP 22/2 “Limited Discoverable Mode”)) is supported; Optional IF (GAP 5/3 “LE Roles – Peripheral role” AND GAP 22/2 “Limited Discoverable Mode”) is supported; Mandatory IF (GAP 38/3 “BR/EDR/LE Roles – Peripheral Role” AND NOT GAP 22/2 “Limited Discoverable Mode”) is supported; Optional IF (GAP 38/3 “BR/EDR/LE Roles – Peripheral Role” AND GAP 22/2 “Limited Discoverable Mode”) is supported, otherwise Excluded.
22/4	Name Discovery Procedure	[3] or [7] 9.2.7	O	☑	

Table 23: Peripheral Connection Modes and Procedures

Prerequisite: GAP 38/3 or GAP 5/3

Item	Capability	Reference	Support	Status	Comment
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23/1	Non-Connectable Mode	[3] 9.3.2, 13.1.2.1 [7] 9.3.2	M	<input checked="" type="checkbox"/>
23/3	Undirected Connectable Mode	[3] 9.3.4, 13.1.2.2 [7] 9.3.4	M	<input checked="" type="checkbox"/>
23/5	Terminate Connection Procedure	[3] 9.3.10, 13.1.2.1 [7] 9.3.10	M	<input checked="" type="checkbox"/>

Table 24: Peripheral Bonding Modes and Procedures

Prerequisite: GAP 38/3 or GAP 5/3

Item	Capability	Reference	Support	Status	Comment
24/1	Non-Bondable Mode	[3], 9.4.2	M	<input checked="" type="checkbox"/>	

Table 25: Peripheral Security Aspects Features

Prerequisite: GAP 38/3 or GAP 5/3

Item	Capability	Reference	Support	Status	Comment
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Table 26: Peripheral Privacy Feature

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

Item	Capability	Reference	Support	Status	Comment
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Table 27: Peripheral GAP Characteristics

Prerequisite: GAP 38/3 or GAP 5/3

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

Table 27a: Periodic Advertising Modes and Procedures

Prerequisite: (GAP 5/3 "Peripheral LE-Only" OR GAP 38/3 "Peripheral BR/EDR/LE") AND NOT (SUM ICS 31/17 "Core Spec Version 4.2" OR SUM ICS 31/18 "Core Spec Version 4.2+HS" OR SUM ICS 31/19 "Core Spec Version 5.0")

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

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	Reference	Support	Status	Comment
28/1	Transmitter	[3] or [7] 2.2.2	M	<input checked="" type="checkbox"/>	
28/2	Receiver	[3] or [7] 2.2.2	M	<input checked="" type="checkbox"/>	

Table 29: Central Link Layer States

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	Reference	Support	Status	Comment
29/1	Standby	[3] or [7] 2.2.2	M	<input checked="" type="checkbox"/>	
29/2	Scanning	[3] or [7] 2.2.2	M	<input checked="" type="checkbox"/>	
29/3	Initiating	[3] or [7] 2.2.2	M	<input checked="" type="checkbox"/>	
29/4	Connection, Master Role	[3] or [7] 2.2.2	M	<input checked="" type="checkbox"/>	

Table 30: Central Link Layer Scanning Types

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	Reference	Support	Status	Comment
30/2	Active Scanning	[3] or [7] 2.2.2	C.1	<input checked="" type="checkbox"/>	C.1: Mandatory IF (NOT GAP 30/1 "Passive Scanning") is supported; otherwise Optional.

Table 31: Central Link Layer Control Procedures

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	Reference	Support	Status	Comment
31/1	Connection Update Procedure	[3] or [7] 2.2.2	M	<input checked="" type="checkbox"/>	

31/2	Channel Map Update Procedure	[3] or [7] 2.2.2	M	<input checked="" type="checkbox"/>	
31/4	Feature Exchange Procedure	[3] or [7] 2.2.2	M	<input checked="" type="checkbox"/>	
31/5	Version Exchange Procedure	[3] or [7] 2.2.2	M	<input checked="" type="checkbox"/>	
31/6	Termination Procedure	[3] or [7] 2.2.2	M	<input checked="" type="checkbox"/>	

Table 32: Central Discovery Modes and Procedures

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	Reference	Support	Status	Comment
32/2	General Discovery Procedure	[3] 9.2.6, 13.2 [7] 9.2.6	M	<input checked="" type="checkbox"/>	

Table 33: Central Connection Modes and Procedures

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	Reference	Support	Status	Comment
33/4	Selective Connection Establishment Procedure	[3] or [7] 9.3.8	M	<input checked="" type="checkbox"/>	
33/5	Connection Parameter Update Procedure	[3] or [7] 9.3.9	M	<input checked="" type="checkbox"/>	
33/6	Terminate Connection Procedure	[3] or [7] 9.3.10	M	<input checked="" type="checkbox"/>	

Table 34: Central Bonding Modes and Procedures

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	Reference	Support	Status	Comment
34/1	Non-Bondable Mode	[3] 9.4.2, 13.1.3 [7] 9.4.2, 13.2	M	<input checked="" type="checkbox"/>	

Table 35: Central Security Features

Prerequisite: GAP 38/4 or GAP 5/4

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

Prerequisite: GAP 38/4 or GAP 5/4

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

Prerequisite: GAP 38/4 or GAP 5/4

Item	Capability	Reference	Support	Status	Comment
37/1	Device Name	[3] or [7] 12.1	M	<input checked="" type="checkbox"/>	
37/2	Appearance	[3] or [7] 12.2	M	<input checked="" type="checkbox"/>	

Table 37a: Periodic Advertising Modes and Procedures

Prerequisite: (GAP 5/4 “Central LE-Only” OR GAP 38/4 “Central BR/EDR/LE”) AND NOT (SUM ICS 31/17 “Core Spec Version 4.2” OR SUM ICS 31/18 “Core Spec Version 4.2+HS” OR SUM ICS 31/19 “Core Spec Version 5.0”)

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

Prerequisite: GAP 0/3

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

Item	Capability	Reference	Support	Status	Comment
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Table 43: Peripheral BR/EDR/LE Security Aspects

Prerequisite: GAP 38/3

Item	Capability	Reference	Support	Status	Comment
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Table 44: Central Simultaneous BR/EDR and LE Transports

Prerequisite: GAP 38/4

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

Prerequisite: GAP 38/3

Item	Capability	Reference	Support	Status	Comment
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Generic Attribute Profile**Table 1: Generic Attribute Profile Support**

Item	Capability	Reference	Support	Status	Comment
1/2	Generic Attribute Profile (GATT) Server	[1] 2.2, [2] 12	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 1a: GATT role configuration

Item	Capability	Reference	Support	Status	Comment
1a/3	GATT Server over LE	[1] 2.2, [2] 12	C.3	<input checked="" type="checkbox"/>	C.3: Optional to support IF GATT 2/2 "Attribute Protocol Supported over LE" AND GATT 1/2 "GATT Server" are supported, otherwise Excluded.

Table 2: Attribute Protocol Transport

Item	Capability	Reference	Support	Status	Comment
2/2	Attribute Protocol Supported over LE	[1] 2.4	C.2	<input checked="" type="checkbox"/>	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

Prerequisite: GATT 1/2

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

Prerequisite: GATT 1/2

Item	Capability	Reference	Support	Status	Comment
4/1	Exchange MTU	[1] 4.3.1	C.6	<input checked="" type="checkbox"/>	C.6: Mandatory IF ATT 4/3 "Exchange MTU Response" is supported, otherwise Optional.
4/2	Discover All Primary Services	[1] 4.4.1	M	<input checked="" type="checkbox"/>	
4/3	Discover Primary Services by Service UUID	[1] 4.4.2	M	<input checked="" type="checkbox"/>	
4/4	Find Included Services	[1] 4.5.1	M	<input checked="" type="checkbox"/>	
4/5	Discover All characteristics of a Service	[1] 4.6.1	M	<input checked="" type="checkbox"/>	
4/6	Discover Characteristics by UUID	[1] 4.6.2	M	<input checked="" type="checkbox"/>	
4/7	Discover All Characteristic Descriptors	[1] 4.7.1	M	<input checked="" type="checkbox"/>	
4/8	Read Characteristic Value	[1] 4.8.1	M	<input checked="" type="checkbox"/>	
4/9	Read Using Characteristic UUID	[1] 4.8.2	M	<input checked="" type="checkbox"/>	

Table 6: SDP Interoperability

Prerequisite: GATT 2/1 "Attribute Protocol Supported over BR/EDR"

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

Item	Capability	Reference	Support	Status	Comment
7/2	LE Security Mode 1	[2] 10.2.1	C.5	☑	C.5: Mandatory IF ATT 5/2 (LE Security Mode 1) is supported, Optional IF GATT 2/2 (Attribute Protocol Supported over LE) is supported, otherwise Excluded.
7/3	LE Security Mode 2	[2] 10.2.2	C.6	☑	C.6: Mandatory IF ATT 5/3 "LE Security Mode 2" is supported, Optional IF GATT 2/2 "Attribute Protocol Supported over LE" is supported, otherwise Excluded.
7/4	LE Authentication Procedure	[2] 10.3	C.4	☑	C.4: Mandatory IF ATT 5/4 (LE Authentication Procedure) is supported, Optional IF GATT 2/2 (Attribute Protocol Supported over LE) is supported, otherwise Excluded.

Table 8: Attribute Protocol Transport

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

Table 0: L2CAP Transport Configuration

Item	Capability	Reference	Support	Status	Comment
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Table 2: General Operation

Item	Capability	Reference	Support	Status	Comment
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Table 3: Configurable Parameters

Item	Capability	Reference	Support	Status	Comment
3/1	Support of RTX timer	[1] 6.2.1	M	☑	

Table 1: Roles

Item	Capability	Reference	Support	Status	Comment
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Low Energy Link Layer

Table 1: Controller States/Roles

Item	Capability	Reference	Support	Status	Comment
1/1	Advertising State	[1]: 4.4.2	C.1	☑	C.1: Mandatory to support at least one of (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	Reference	Support	Status	Comment
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").

Table 3: Protocol Advertising Features

Item	Capability	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	☑	
3/6	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	☑	C.2: Mandatory if GAP 5/3 (Peripheral) is supported, otherwise Not Defined.
3/9	Extended Advertising	4.6.12	C.6	☑	C.6: Mandatory IF LL 9/9a is supported, otherwise Excluded.

Table 4: Protocol Scanning Features

Prerequisite: LL 1/2

Item	Capability	Reference	Support	Status	Comment
4/1	Passive Scanning	[1]: 4.4.3.1	C.1	☑	C.1: Mandatory if GAP 5/2 (Observer) is supported; otherwise Optional
4/2	Receiving Advertising Data	[1]: 4.4.3.1, 4.4.3.2	M	☑	
4/3	Active Scanning	[1]: 4.4.3.2	C.2	☑	C.2: Mandatory IF (GAP 5/4 (Central) AND NOT LL 4/1 (Passive Scanning)) is supported; otherwise Optional
4/4	Backoff Procedure	[1]: 4.4.3.2	M	☑	
4/5	Filtering Policies	[1]: 4.3.3	M	☑	
4/7	Extended Scanning	4.6.12	C.4	☑	C.4: Mandatory IF LL 9/9a is supported, otherwise Excluded.

Table 5: Protocol Initiating Features

Prerequisite: LL 1/3

Item	Capability	Reference	Support	Status	Comment
5/1	Requesting Connections	[1]: 4.4.4	M	☑	
5/2	Requesting to Directed Advertising	[1]: 4.4.4	M	☑	
5/3	Initiator Filtering	[1]: 4.3.4	M	☑	
5/4	Requesting connections using extended advertising	[5] 4.6.12	C.1	☑	C.1: Mandatory IF LL 9/9a "LE Extended Advertising" is supported, otherwise Excluded.

Table 6: Protocol Slave Role Features

Prerequisite: LL 1/4

Item	Capability	Reference	Support	Status	Comment
6/1	Slave Transmissions	[1]: 4.5.1, 4.5.5, 4.5.6	M	☑	
6/2	Acknowledgement Scheme	[1]: 4.5.9	M	☑	
6/3	Unknown Response	[1]: 5.1.4, 2.4.2	M	☑	
6/4	Responding in Feature Setup	[1]: 5.1.4	M	☑	
6/5	Sending Data (Device supports data output from a Host)	[1]: 4.5.1, 4.5.6	M	☑	
6/6	Receiving Data (Device supports data input to a Host)	[1]: 4.5.1, 4.5.6	M	☑	
6/10	Accepting Parameter Update	[1]: 5.1.1	M	☑	
6/11	Accepting Channel Map Update	[1]: 5.1.2	M	☑	
6/13	Connection Control Timer	[1]: 5.2	M	☑	
6/14	Sending Termination	[1]: 5.1.6	M	☑	
6/15	Accepting Termination	[1]: 5.1.6	M	☑	
6/16	Connection Supervision Timer	[1]: 4.5.2	M	☑	
6/19	Slave Version Exchange	[1]: 5.1.5	M	☑	
6/23a	PHY Update procedure	[5] 5.1.10	C.9	☑	C.9: Excluded IF SUM.ICS 21/14 "Core v4.2" is supported; otherwise Mandatory IF LL 9/6a "Multiple PHYs" is supported; otherwise Optional.

Table 7: Protocol Master Role Features

Item	Capability	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	☑	
7/5	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	☑	
7/10	Requesting Parameter Update	[1]: 5.1.1	M	☑	
7/11	Requesting Channel Map Update	[1]: 5.1.2	M	☑	
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	☑	
7/20	Master Version Exchange	[1]: 5.1.5	M	☑	
7/23a	PHY Update procedure	[5] 5.1.10	C.9	☑	C.9: Excluded IF (SUMICS 21/9 "Core v4.0" OR SUMICS 21/13 "Core v4.1" OR SUMICS 21/14 "Core v4.2") is supported, otherwise Mandatory IF LL 9/6a "Multiple PHYs" is supported, otherwise Optional.

Table 8: Physical Channels

Item	Capability	Reference	Support	Status	Comment
8/1	Data channels (channel 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, 38, 39)	[1]:1.4.1	M	☑	
8/3	Support Data channel selection algorithm	[1]: 4.5.8	C.1	☑	C.1: Mandatory if (1/4 or 1/5) is supported, otherwise Excluded.

Table 9: Supported Features

Item	Capability	Reference	Support	Status	Comment
9/6a	Multiple PHYs	[5] 4.6.9	C.6	☑	Mandatory IF LL 9/7 "LE 2MPHY" OR LL 9/9 "LE Coded PHY" is supported, otherwise Excluded.
9/7	LE 2MPHY	[4] 2.1	C.5	☑	Excluded IF SUMICS 21/14 "Core v4.2" is supported, otherwise Optional.
9/8	Asymmetric Connections	[5] 4.6.9.1	C.7	☑	C.7: Optional IF LL 9/6a "Multiple PHYs" is supported, otherwise Excluded.
9/9	LE Coded PHY	[5] 2.2	C.5	☑	Excluded IF SUMICS 21/14 "Core v4.2" is supported, otherwise Optional.
9/9a	LE Extended Advertising	[5] 4.6.12	C.25	☑	C.25: Excluded IF SUMICS 21/14 "Core v4.2" is supported, otherwise Mandatory IF LL 9/9 "LE Coded PHY" is supported, otherwise Optional.
9/10	Channel Selection Algorithm #2	[5] 4.6.14	C.8	☑	C.8: Excluded IF SUMICS 21/14 "Core v4.2" is supported, otherwise Mandatory IF (LL 9/9a "LE Extended Advertising" AND (LL 1/4 "Slave Role" OR LL 1/5 "Master Role")) OR LL 9/9b "LE Periodic Advertising" is supported, otherwise Optional.

Table 10: Scatternet Capabilities

Item	Capability	Reference	Support	Status	Comment
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Item	Capability	Reference	Support	Status	Comment
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Table 11: Protocol Synchronizing Features

Prerequisite: LL 1/3a "Synchronized State"

Item	Capability	Reference	Support	Status	Comment
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Mesh Profile

Table 0: Major Profile Version (X.Y)

Item	Capability	Reference	Support	Status	Comment
0/1	Mesh v1.0	[2]	M	☑	

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

Item	Capability	Reference	Support	Status	Comment
0a/1	Erratum 10395	[5]	C.1	☑	C.1: Mandatory IF MESH 0/1 "Mesh v1.0" is supported, otherwise Excluded.

Table 1: Bluetooth Core Specification v4.0 or Later

Item	Capability	Reference	Support	Status	Comment
1/1	Core Specification v4.0 or later	[1]	M	☑	

Table 2: Roles

Item	Capability	Reference	Support	Status	Comment
2/1	Node	[2] 2.3.11	C.1	☑	C.1: Mandatory to support at least one of MESH 2/1 "Node" OR MESH 2/2 "Provisioner".

Table 3: Node Capabilities - Bearers

Prerequisite: MESH 2/1

Item	Capability	Reference	Support	Status	Comment
3/1	Advertising Bearer	[2] 3.3.1	C.1	☑	C.1: Mandatory to support at least one of MESH 3/1 "Advertising Bearer" OR MESH 3/2 "GATT Bearer".
3/2	GATT Bearer	[2] 3.3.2	C.1	☑	C.1: Mandatory to support at least one of MESH 3/1 "Advertising Bearer" OR MESH 3/2 "GATT Bearer".

Table 4: Node Capabilities - Provisioning

Prerequisite: MESH 2/1

Item	Capability	Reference	Support	Status	Comment
4/1	PB-ADV	[2] 5.2.1	C.1	☑	C.1: Optional IF MESH 3/1 "Advertising Bearer" is supported, otherwise Excluded.
4/2	PB-GATT	[2] 5.2.2, 6.7.1	C.2	☑	C.2: Mandatory to support at least one of MESH 4/2 "PB-GATT" or MESH 12/5 "Proxy Client" IF MESH 3/2 "GATT Bearer" is supported, otherwise Excluded.
4/3	Device UUID	[2] 3.10.3	C.3	☑	C.3: Mandatory IF MESH 4/1 "PB-ADV" OR MESH 4/2 "PB-GATT" is supported, otherwise Excluded.
4/4	Sending Unprovisioned Device Beacon	[2] 3.9.2	C.4	☑	C.4: Mandatory IF MESH 4/1 "PB-ADV" is supported, otherwise Excluded.
4/5	Generic Provisioning Layer	[2] 5.3	C.3	☑	C.3: Mandatory IF MESH 4/1 "PB-ADV" OR MESH 4/2 "PB-GATT" is supported, otherwise Excluded.
4/6	Provisioning Protocol (Provisioning Server)	[2] 5.4	C.3	☑	C.3: Mandatory IF MESH 4/1 "PB-ADV" OR MESH 4/2 "PB-GATT" is supported, otherwise Excluded.
4/8	Provisioning: Public Key No OOB	[2] 5.4.1.2	C.5	☑	C.5: Mandatory to support at least one of MESH 4/7 "Provisioning: Public Key OOB" OR MESH 4/8 "Provisioning: Public Key No OOB" IF MESH 4/1 "PB-ADV" OR MESH 4/2 "PB-GATT" is supported, otherwise Excluded.
4/12	Provisioning: Authentication No OOB	[2] 5.4.1.2	C.3	☑	C.3: Mandatory IF MESH 4/1 "PB-ADV" OR MESH 4/2 "PB-GATT" is supported, otherwise Excluded.

Table 5: Node Capabilities – Network Layer

Prerequisite: MESH 2/1

Item	Capability	Reference	Support	Status	Comment
5/1	Transmitting and Receiving Secured Network Layer Messages	[2] 3.4.6.2, 3.4.6.3	M	☑	
5/2	Relay Feature	[2] 3.4.6.1	C.1	☑	C.1: Optional IF MESH 3/1 “Advertising Bearer” is supported, otherwise Excluded.
5/3	Network Message Cache	[2] 3.4.6.4	C.2	☑	C.2: Mandatory IF MESH 5/2 “Relay Feature” is supported, otherwise Excluded.

Table 6: Node Capabilities – Lower Transport Layer

Prerequisite: MESH 2/1

Item	Capability	Reference	Support	Status	Comment
6/1	Transmitting and Receiving a Lower Transport PDU	[2] 3.5.4.1, 3.5.4.2	M	☑	
6/2	Segmentation and Reassembly Behavior	[2] 3.5.3.3, 3.5.3.4	M	☑	

Table 7: Upper Transport Layer

Prerequisite: MESH 2/1

Item	Capability	Reference	Support	Status	Comment
7/1	Transmitting a Secured Access Payload	[2] 3.6.4.1	M	☑	
7/2	Receiving a Secured Upper Transport PDU	[2] 3.6.4.2	M	☑	
7/5	Heartbeat	[2] 3.6.7	M	☑	

Table 8: Node Capabilities – Access Layer

Prerequisite: MESH 2/1

Item	Capability	Reference	Support	Status	Comment
8/1	Transmitting and Receiving an Access Layer Message	[2] 3.7.4.1	M	☑	

Table 9: Node Capabilities – Security

Prerequisite: MESH 2/1

Item	Capability	Reference	Support	Status	Comment
9/1	Message Replay Protection	[2] 3.8.7	M	☑	

Table 10: Node Capabilities – Mesh Management

Prerequisite: MESH 2/1

Item	Capability	Reference	Support	Status	Comment
10/1	Secure Network Beacon	[2] 3.9.3	M	☑	
10/2	Key Refresh Procedure	[2] 3.10.4	M	☑	
10/3	IV Update Procedure	[2] 3.10.5	M	☑	
10/4	IV Index Recovery Procedure	[2] 3.10.6	M	☑	

Table 11: Node Capabilities – Foundation Mesh Models

Prerequisite: MESH 2/1

Item	Capability	Reference	Support	Status	Comment
11/1	Configuration Server Model	[2] 4.4.1	M	☑	
11/2	Health Server Model	[2] 4.4.3	M	☑	

Table 12: Node Capabilities – Proxy

Item	Capability	Reference	Support	Status	Comment
12/1	Proxy Server	[2] 6.2, 6.6	C.1	☑	C.1: Optional IF MESH 3/1 “Advertising Bearer” is supported, otherwise Excluded.

12/2	GATT Server	[3] GATT 1/2	C.2	☑	C.2: Mandatory IF MESH 12/1 "Proxy Server" OR MESH 4/2 "PB-GATT" is supported, otherwise Excluded.
12/3	Advertising with Network ID	[2] 7.2.2.2.2	C.2	☑	C.2: Mandatory IF MESH 12/1 "Proxy Server" OR MESH 4/2 "PB-GATT" is supported, otherwise Excluded.
12/4	Advertising with Node Identity	[2] 7.2.2.2.3	C.2	☑	C.2: Mandatory IF MESH 12/1 "Proxy Server" OR MESH 4/2 "PB-GATT" is supported, otherwise Excluded.

Table 13: Mesh GATT Services

Prerequisite: MESH 12/2

Item	Capability	Reference	Support	Status	Comment
13/1	Mesh Provisioning Service	[2] 7.1	C.1	☑	C.1: Mandatory IF MESH 4/2 "PB-GATT" is supported, otherwise Excluded.
13/2	Mesh Proxy Service	[2] 7.2	C.2	☑	C.2: Mandatory IF MESH 12/1 "Proxy Server" is supported, otherwise Excluded.

Table 14: GATT Server Requirements

Prerequisite: MESH 12/2

Item	Capability	Reference	Support	Status	Comment
14/1	Discover All Primary Services	[3] GATT 4M/2	M	☑	
14/2	Discover Primary Services by Service UUID	[3] GATT 4/3	M	☑	
14/3	Write without Response	[3] GATT 4/12	M	☑	
14/4	Notifications	[3] GATT 4/17	M	☑	
14/5	Write Characteristic Descriptors	[3] GATT 4/21	M	☑	

Table 15: GATT Client Requirements

Prerequisite: MESH 12/6

Item	Capability	Reference	Support	Status	Comment
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Table 16: GAP Requirements

Prerequisite: MESH 2/1 "Node"

Item	Capability	Reference	Support	Status	Comment
16/1	Broadcaster	[2] 3.3.1 [4] GAP 5/1 OR GAP 38/1	C.1	☑	C.1: Mandatory IF MESH 3/1 "Advertising Bearer" is supported, otherwise Excluded.
16/2	Observer	[2] 3.3.1 [4] GAP 5/2 OR GAP 38/2	C.1	☑	C.1: Mandatory IF MESH 3/1 "Advertising Bearer" is supported, otherwise Excluded.
16/3	Peripheral	[2] 3.3.2, 7.1.1, 7.2.1, 7.2.2.2.1 [4] GAP 5/3 OR GAP 38/3	C.2	☑	C.2: Mandatory IF MESH 12/1 "Proxy Server" OR MESH 4/2 "PB-GATT" is supported, otherwise Excluded.
16/4	Peripheral – Security Mode 1	[4] GAP 25/4	C.2	☑	C.2: Mandatory IF MESH 12/1 "Proxy Server" OR MESH 4/2 "PB-GATT" is supported, otherwise Excluded.

Table 17: Provisioner – Bearers

Prerequisite: MESH 2/2

Item	Capability	Reference	Support	Status	Comment
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Table 18: Provisioner – Provisioning

Prerequisite: MESH 2/2

Item	Capability	Reference	Support	Status	Comment
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Table 19: Provisioner – Mesh Management

Prerequisite: MESH 2/2

Item	Capability	Reference	Support	Status	Comment
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Table 20: GATT Client Requirements

Prerequisite: MESH 18/6

Item	Capability	Reference	Support	Status	Comment
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Table 21: GAP Requirements

Prerequisite: MESH 2/2

Item	Capability	Reference	Support	Status	Comment
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Mesh Model**Table 0a: Mesh Specification Versions**

Item	Capability	Reference	Support	Status	Comment
0a/1	Mesh Specification v1.0	[3]	M	<input checked="" type="checkbox"/>	

Table 0b: Mesh Model Major Specification Versions

Item	Capability	Reference	Support	Status	Comment
0b/1	Mesh Model Specification v1.0	[2]	M	<input checked="" type="checkbox"/>	

Table 0c: Mesh Model Minor Specification Versions

Item	Capability	Reference	Support	Status	Comment
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Table 1: Bluetooth Core Specification Versions

Item	Capability	Reference	Support	Status	Comment
1/1	Core Specification 4.0 or later	[1]	M	<input checked="" type="checkbox"/>	

Table 2: Generic Server Models

Item	Capability	Reference	Support	Status	Comment
2/1	Generic OnOff Server	[2] 3.3.1	O	<input checked="" type="checkbox"/>	
2/2	Generic Level Server	[2] 3.3.2	O	<input checked="" type="checkbox"/>	

Table 3: Generic Client Models

Item	Capability	Reference	Support	Status	Comment
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Table 4: Generic OnOff Client

Prerequisite: MMDL 3/1 "Generic OnOff Client"

Item	Capability	Reference	Support	Status	Comment
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Table 5: Generic Level Client

Prerequisite: MMDL 3/2

Item	Capability	Reference	Support	Status	Comment
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Table 6: Generic Default Transition Time Client

Prerequisite: MMDL 3/3

Item	Capability	Reference	Support	Status	Comment
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Table 7: Generic Power OnOff Client

Prerequisite: MMDL 3/4

Item	Capability	Reference	Support	Status	Comment
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Table 8: Generic Power Level Client

Prerequisite: MMDL 3/5

Item	Capability	Reference	Support	Status	Comment
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Table 9: Generic Location Client

Prerequisite: MMDL 3/7

Item	Capability	Reference	Support	Status	Comment
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Table 10: Generic Property Client

Prerequisite: MMDL 3/8

Item	Capability	Reference	Support	Status	Comment
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Table 11: Sensor Server Models

Item	Capability	Reference	Support	Status	Comment
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Table 12: Sensor Client Models

Item	Capability	Reference	Support	Status	Comment
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Table 13: Sensor Client

Prerequisite: MMDL 12/1

Item	Capability	Reference	Support	Status	Comment
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Table 14: Time and Scenes Server Models

Item	Capability	Reference	Support	Status	Comment
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Table 15: Time and Scenes Client Models

Prerequisite: MMDL 3/2

Item	Capability	Reference	Support	Status	Comment
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Table 16: Time Client

Prerequisite: MMDL 15/1

Item	Capability	Reference	Support	Status	Comment
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Table 17: Scene Client

Prerequisite: MMDL 15/2

Item	Capability	Reference	Support	Status	Comment
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Table 18: Scheduler Client

Prerequisite: MMDL 15/3

Item	Capability	Reference	Support	Status	Comment
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Table 19: Lighting Server Models

Item	Capability	Reference	Support	Status	Comment
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Table 20: Lighting Control Models

Item	Capability	Reference	Support	Status	Comment
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Table 21: Lighting Client Models

Item	Capability	Reference	Support	Status	Comment
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Table 22: Light Lightness Client

Prerequisite: MMDL 21/1

Item	Capability	Reference	Support	Status	Comment
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Table 23: Light CTL Client

Prerequisite: MMDL 21/2

Item	Capability	Reference	Support	Status	Comment
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Table 24: Light HSL Client

Prerequisite: MMDL 21/3

Item	Capability	Reference	Support	Status	Comment
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Table 25: Light xYL Client

Prerequisite: MMDL 21/4

Item	Capability	Reference	Support	Status	Comment
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Table 26: Light LC Client

Prerequisite: MMDL 21/5

Item	Capability	Reference	Support	Status	Comment
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Table 27: States on Secondary Elements

Item	Capability	Reference	Support	Status	Comment
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Low Energy RF PHY

Table 1: Bluetooth LE RF Capabilities

Item	Capability	Reference	Support	Status	Comment
1/3	LE Transceiver (Connectable, Peripheral/Central)	[1] 3, 4	C.1	☑	C.1: Mandatory to support at least one of these capabilities.
1/4	LE 2MPHY	[3] 3, 4	C.2	☑	C.2: Optional IF (SUMICS 21/16 "Core 5.0" OR SUMICS 21/18 "Core 5.1") AND RFPHY 1/3 "LE Transceiver" are supported, otherwise Excluded.
1/7	LE Coded PHY	[3] 3, 4	C.2	☑	C.2: Optional IF (SUMICS 21/16 "Core 5.0" OR SUMICS 21/18 "Core 5.1") AND RFPHY 1/3 "LE Transceiver" are supported, otherwise Excluded.

Table 2: Bluetooth LE Test Interface Capabilities

Item	Capability	Reference	Support	Status	Comment
2/2	UART Test Interface	[2] 3	C.1	☑	C.1: At least one of the capabilities shall be supported.

Security Manager Protocol

Table 1: Roles

Item	Capability	Reference	Support	Status	Comment
1/2	Master Role (Initiator)	[1] 2.4	C.2	☑	C.2: Optional IF GAP 5/3 "LE Roles – Peripheral Role" OR GAP 38/3 "BR/EDR/LE Roles – Peripheral Role" are supported, otherwise Excluded.

Table 2: Security Properties

Item	Capability	Reference	Support	Status	Comment
2/2	Unauthenticated no MTM protection	[1] 2.3.1	C.1	☑	C.1: Mandatory if 2/1 is supported, otherwise Optional.
2/3	No security requirements	[1] 2.3.1	M	☑	

Table 3: Encryption Key Size

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

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

Table 4: Pairing Method

Item	Capability	Reference	Support	Status	Comment
4/1	Just Works	[1] 2.3.5	O	<input checked="" type="checkbox"/>	

Table 5: Security Initiation

Item	Capability	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	<input checked="" type="checkbox"/>	
5/3	Slave Initiated Security	[1] 2.4.6	C.1	<input checked="" type="checkbox"/>	C.1: Optional if 1/2 is supported, otherwise Excluded.

Table 6: Signing Algorithm

Item	Capability	Reference	Support	Status	Comment
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Table 7: Key Distribution

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