



Product Details

DN	Q309899
Included Design(s)	
Qualification Date	2024-11-08
Receipt Number	D067312
Member Company	Shenzhen Bluetrum Technology Co.,Ltd.
User Name	Mark Liu
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City	SHENZHENSHI
State	Guangdong
Country	China

Postal Code 518052

Product List

Name	Description	Model Number	Publish Date	Website
Bluetrum bluetooth 6.0 controller	Bluetrum bluetooth 6.0 controller	BT8970	2024-11-08	www.bluetrum.com
BT8971A	Bluetrum bluetooth 6.0 controller	BT8971A	2024-11-14	www.bluetrum.com
AB5632B	Bluetrum bluetooth 6.0 controller	AB5632B	2024-11-14	www.bluetrum.com
Bluetrum bluetooth 6.0 controller	Bluetrum bluetooth 6.0 controller	AB5690	2024-11-08	www.bluetrum.com
BT8901B	Bluetrum bluetooth 6.0 controller	BT8901B	2024-11-14	www.bluetrum.com
BT8971B	Bluetrum bluetooth 6.0 controller	BT8971B	2024-11-14	www.bluetrum.com
BT8936D	Bluetrum bluetooth 6.0 controller	BT8936D	2024-11-14	www.bluetrum.com
BT8971C	Bluetrum bluetooth 6.0 controller	BT8971C	2024-11-14	www.bluetrum.com
BT8931J	Bluetrum bluetooth 6.0 controller	BT8931J	2024-11-14	www.bluetrum.com
BT8971D	Bluetrum bluetooth 6.0 controller	BT8971D	2024-11-14	www.bluetrum.com
BT8901A	Bluetrum bluetooth 6.0 controller	BT8901A	2024-11-14	www.bluetrum.com
BT8971E	Bluetrum bluetooth 6.0 controller	BT8971E	2024-11-14	www.bluetrum.com
BT8931H	Bluetrum bluetooth 6.0 controller	BT8931H	2024-11-14	www.bluetrum.com

BT8971F	Bluetrum bluetooth 6.0 controller	BT8971F	2024-11-14	www.bluetrum.com
BT8932B	Bluetrum bluetooth 6.0 controller	BT8932B	2024-11-14	www.bluetrum.com
BT8971G	Bluetrum bluetooth 6.0 controller	BT8971G	2024-11-14	www.bluetrum.com
BT8932C	Bluetrum bluetooth 6.0 controller	BT8932C	2024-11-14	www.bluetrum.com
BT8971H	Bluetrum bluetooth 6.0 controller	BT8971H	2024-11-14	www.bluetrum.com
BT8932D	Bluetrum bluetooth 6.0 controller	BT8932D	2024-11-14	www.bluetrum.com
BT8972A	Bluetrum bluetooth 6.0 controller	BT8972A	2024-11-14	www.bluetrum.com
BT8932E	Bluetrum bluetooth 6.0 controller	BT8932E	2024-11-14	www.bluetrum.com
BT8972B	Bluetrum bluetooth 6.0 controller	BT8972B	2024-11-14	www.bluetrum.com
BT8972C	Bluetrum bluetooth 6.0 controller	BT8972C	2024-11-14	www.bluetrum.com
BT8972D	Bluetrum bluetooth 6.0 controller	BT8972D	2024-11-14	www.bluetrum.com
BT8972E	Bluetrum bluetooth 6.0 controller	BT8972E	2024-11-14	www.bluetrum.com
BT8972F	Bluetrum bluetooth 6.0 controller	BT8972F	2024-11-14	www.bluetrum.com
BT8972G	Bluetrum bluetooth 6.0 controller	BT8972G	2024-11-14	www.bluetrum.com
BT8972H	Bluetrum bluetooth 6.0 controller	BT8972H	2024-11-14	www.bluetrum.com

BT8932F	Bluetrum bluetooth 6.0 controller	BT8932F	2024-11-14	www.bluetrum.com
BT8932H	Bluetrum bluetooth 6.0 controller	BT8932H	2024-11-14	www.bluetrum.com
BT8936B	Bluetrum bluetooth 6.0 controller	BT8936B	2024-11-14	www.bluetrum.com
BT8936E	Bluetrum bluetooth 6.0 controller	BT8936E	2024-11-14	www.bluetrum.com
BT8936T	Bluetrum bluetooth 6.0 controller	BT8936T	2024-11-14	www.bluetrum.com
AB5716A	Bluetrum bluetooth 6.0 controller	AB5716A	2024-11-14	www.bluetrum.com
AB5712F	Bluetrum bluetooth 6.0 controller	AB5712F	2024-11-14	www.bluetrum.com
AB5712C	Bluetrum bluetooth 6.0 controller	AB5712C	2024-11-14	www.bluetrum.com
AB5716E	Bluetrum bluetooth 6.0 controller	AB5716E	2024-11-14	www.bluetrum.com
AB5716D	Bluetrum bluetooth 6.0 controller	AB5716D	2024-11-14	www.bluetrum.com
AB5716F	Bluetrum bluetooth 6.0 controller	AB5716F	2024-11-14	www.bluetrum.com
AB5705A	Bluetrum bluetooth 6.0 controller	AB5705A	2024-11-14	www.bluetrum.com
AB5705C	Bluetrum bluetooth 6.0 controller	AB5705C	2024-11-14	www.bluetrum.com
AB5702B	Bluetrum bluetooth 6.0 controller	AB5702B	2024-11-14	www.bluetrum.com
BT8922R2	Bluetrum bluetooth 6.0 controller	BT8922R2	2024-11-14	www.bluetrum.com

BT8922A2	Bluetrum bluetooth 6.0 controller	BT8922A2	2024-11-14	www.bluetrum.com
BT8922B2	Bluetrum bluetooth 6.0 controller	BT8922B2	2024-11-14	www.bluetrum.com
BT8922C2	Bluetrum bluetooth 6.0 controller	BT8922C2	2024-11-14	www.bluetrum.com
BT8922D2	Bluetrum bluetooth 6.0 controller	BT8922D2	2024-11-14	www.bluetrum.com
BT8922E2	Bluetrum bluetooth 6.0 controller	BT8922E2	2024-11-14	www.bluetrum.com
BT8922F2	Bluetrum bluetooth 6.0 controller	BT8922F2	2024-11-14	www.bluetrum.com
BT8922H2	Bluetrum bluetooth 6.0 controller	BT8922H2	2024-11-14	www.bluetrum.com
BT8922K2	Bluetrum bluetooth 6.0 controller	BT8922K2	2024-11-14	www.bluetrum.com
BT8925B2	Bluetrum bluetooth 6.0 controller	BT8925B2	2024-11-14	www.bluetrum.com
BT8925D2	Bluetrum bluetooth 6.0 controller	BT8925D2	2024-11-14	www.bluetrum.com
BT8926A2	Bluetrum bluetooth 6.0 controller	BT8926A2	2024-11-14	www.bluetrum.com
BT8926B2	Bluetrum bluetooth 6.0 controller	BT8926B2	2024-11-14	www.bluetrum.com
BT8926C2	Bluetrum bluetooth 6.0 controller	BT8926C2	2024-11-14	www.bluetrum.com
BT8926D2	Bluetrum bluetooth 6.0 controller	BT8926D2	2024-11-14	www.bluetrum.com
BT8925C2	Bluetrum bluetooth 6.0 controller	BT8925C2	2024-11-14	www.bluetrum.com

BT8926E2	Bluetrum bluetooth 6.0 controller	BT8926E2	2024-11-14	www.bluetrum.com
BT8926F2	Bluetrum bluetooth 6.0 controller	BT8926F2	2024-11-14	www.bluetrum.com
BT8916A2	Bluetrum bluetooth 6.0 controller	BT8916A2	2024-11-14	www.bluetrum.com
BT8918A	Bluetrum bluetooth 6.0 controller	BT8918A	2024-11-14	www.bluetrum.com
BT8918B	Bluetrum bluetooth 6.0 controller	BT8918B	2024-11-14	www.bluetrum.com
BT8918C	Bluetrum bluetooth 6.0 controller	BT8918C	2024-11-14	www.bluetrum.com
BT8918D	Bluetrum bluetooth 6.0 controller	BT8918D	2024-11-14	www.bluetrum.com
BT8918E	Bluetrum bluetooth 6.0 controller	BT8918E	2024-11-14	www.bluetrum.com
BT8918F	Bluetrum bluetooth 6.0 controller	BT8918F	2024-11-14	www.bluetrum.com
AB5632E	Bluetrum bluetooth 6.0 controller	AB5632E	2024-11-14	www.bluetrum.com
AB5632F	Bluetrum bluetooth 6.0 controller	AB5632F	2024-11-14	www.bluetrum.com
AB5632G	Bluetrum bluetooth 6.0 controller	AB5632G	2024-11-14	www.bluetrum.com
AB5632K	Bluetrum bluetooth 6.0 controller	AB5632K	2024-11-14	www.bluetrum.com
AB5635B	Bluetrum bluetooth 6.0 controller	AB5635B	2024-11-14	www.bluetrum.com
AB5636A	Bluetrum bluetooth 6.0 controller	AB5636A	2024-11-14	www.bluetrum.com

AB5636E	Bluetrum bluetooth 6.0 controller	AB5636E	2024-11-14	www.bluetrum.com
AB5636B	Bluetrum bluetooth 6.0 controller	AB5636B	2024-11-14	www.bluetrum.com
AB5636C	Bluetrum bluetooth 6.0 controller	AB5636C	2024-11-14	www.bluetrum.com
AB5636D	Bluetrum bluetooth 6.0 controller	AB5636D	2024-11-14	www.bluetrum.com
AB5632C	Bluetrum bluetooth 6.0 controller	AB5632C	2024-11-14	www.bluetrum.com
AB5636W	Bluetrum bluetooth 6.0 controller	AB5636W	2024-11-14	www.bluetrum.com
AB5636F	Bluetrum bluetooth 6.0 controller	AB5636F	2024-11-14	www.bluetrum.com
AB5636H	Bluetrum bluetooth 6.0 controller	AB5636H	2024-11-14	www.bluetrum.com
BT8951D	Bluetrum bluetooth 6.0 controller	BT8951D	2024-11-14	www.bluetrum.com
BT8951H	Bluetrum bluetooth 6.0 controller	BT8951H	2024-11-14	www.bluetrum.com
BT8951J	Bluetrum bluetooth 6.0 controller	BT8951J	2024-11-14	www.bluetrum.com
BT8952B	Bluetrum bluetooth 6.0 controller	BT8952B	2024-11-14	www.bluetrum.com
BT8952E	Bluetrum bluetooth 6.0 controller	BT8952E	2024-11-14	www.bluetrum.com
BT8952F	Bluetrum bluetooth 6.0 controller	BT8952F	2024-11-14	www.bluetrum.com
BT8952G	Bluetrum bluetooth 6.0 controller	BT8952G	2024-11-14	www.bluetrum.com

BT8952J	Bluetrum bluetooth 6.0 controller	BT8952J	2024-11-14	www.bluetrum.com
BT8958B	Bluetrum bluetooth 6.0 controller	BT8958B	2024-11-14	www.bluetrum.com
BT8958C	Bluetrum bluetooth 6.0 controller	BT8958C	2024-11-14	www.bluetrum.com
BT8959B	Bluetrum bluetooth 6.0 controller	BT8959B	2024-11-14	www.bluetrum.com
BT8959C	Bluetrum bluetooth 6.0 controller	BT8959C	2024-11-14	www.bluetrum.com
BT8959T	Bluetrum bluetooth 6.0 controller	BT8959T	2024-11-14	www.bluetrum.com
BT8961B	Bluetrum bluetooth 6.0 controller	BT8961B	2024-11-14	www.bluetrum.com
BT8961C	Bluetrum bluetooth 6.0 controller	BT8961C	2024-11-14	www.bluetrum.com
BT8962A	Bluetrum bluetooth 6.0 controller	BT8962A	2024-11-14	www.bluetrum.com
BT8962B	Bluetrum bluetooth 6.0 controller	BT8962B	2024-11-14	www.bluetrum.com
BT8952U	Bluetrum bluetooth 6.0 controller	BT8952U	2024-11-14	www.bluetrum.com
BT8962U	Bluetrum bluetooth 6.0 controller	BT8962U	2024-11-14	www.bluetrum.com
BT8969B	Bluetrum bluetooth 6.0 controller	BT8969B	2024-11-14	www.bluetrum.com
BT8969C	Bluetrum bluetooth 6.0 controller	BT8969C	2024-11-14	www.bluetrum.com
BT8969T	Bluetrum bluetooth 6.0 controller	BT8969T	2024-11-14	www.bluetrum.com

Complete the Submission

By typing my name or other symbol of my signature into the "Signature" field below, I agree to and sign on behalf of Shenzhen Bluetrum Technology Co.,Ltd. ("Company") the [Bluetooth Qualification Workspace Terms of Use](#), and I represent and warrant personally and on behalf of Company that:

- ☒ I am authorized by Company to agree and sign on behalf of Company and to submit this Product.
- ☒ 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 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.

Signature:

Mark Liu

BLUETOOTH QUALIFICATION WORKSPACE TERMS OF USE

Last Updated: November 27, 2024.

These Bluetooth Qualification Workspace Terms of Use ("**Qualification Workspace Terms**") are a supplement to the [Bluetooth SIG Website Terms of Use](#) ("**WTOU**") and together the Qualification Workspace Terms and WTOU are a legal agreement (collectively the "**Bluetooth Terms**") between you and the Bluetooth SIG, Inc., a Delaware corporation ("**Bluetooth SIG**") that governs your access to and use of the Bluetooth Qualification Workspace (the "**Qualification Workspace Tool**"). The Qualification Workspace Tool is a Service (as defined in the WTOU) offered by the Bluetooth SIG. Terms used but not defined in these Qualification Workspace Terms have the meanings ascribed to them in the WTOU or the Qualification Program Reference Document ("**QPRD**"). In the event of a conflict between these Qualification Workspace Terms and the WTOU or QPRD, these Qualification Workspace Terms will govern.

PLEASE READ THE BLUETOOTH TERMS
CAREFULLY. BY ACCESSING OR USING THE
QUALIFICATION WORKSPACE TOOL AND/OR

CLICKING TO INDICATE THAT YOU AGREE TO THE QUALIFICATION WORKSPACE 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 YOUR MEMBER COMPANY AGREES 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 QUALIFICATION WORKSPACE TOOL OR CLICK TO INDICATE THAT YOU AGREE TO THESE QUALIFICATION WORKSPACE TERMS.

1. MEMBERSHIP ACCOUNT REQUIREMENT.

To access and use the Qualification Workspace Tool, you must have an Account (as defined in the WTOU) issued under the membership account of a current Bluetooth SIG member ("**Your Member Company**") and log into the Qualification Workspace Tool with that Account. You acknowledge and agree that when you access the Qualification Workspace Tool that you are doing so on behalf of Your Member Company and you represent and warrant that you are authorized by Your Member Company to access and use the Qualification Workspace Tool and provide Submissions (defined

below) on You Member Company's behalf.

2. BLUETOOTH QUALIFICATION PROCESS.

The "**Bluetooth Qualification Process**" is the process created by the Bluetooth SIG for qualifying Products (as defined in the QPRD). The Qualification Workspace Tool is the Bluetooth SIG tool designed to implement the Bluetooth Qualification Process.

3. REPRESENTATIONS AND ACKNOWLEDGEMENTS.

(a) You represent and warrant that you have permission to submit to the Bluetooth SIG all information and materials (including design information, product information, test reports, and test results) that you provide through the Qualification Workspace Tool ("Submissions") and that all Submissions are true, complete, and accurate.

(b) You represent and warrant that you and Your Member Company 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 Qualification Workspace Tool and all Products listed in your Submissions comply with the SIG Member Terms (as defined in the WTOU) and the

Bluetooth Specification(s) (as defined in the QPRD) 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 Qualification Workspace Tool will only be Products that, if marketed or distributed, are done so by Your Member Company under a name or trademark that uniquely identifies Your Member Company 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 Your Member Company 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 Your Member Company have been notified by the Bluetooth SIG that it has completed the Bluetooth Qualification Process (i.e., via an email from the Bluetooth SIG expressly stating that the Product has completed the Bluetooth Qualification Process).

4. FEES AND PAYMENT TERMS.

(a) The Bluetooth SIG may charge you fees in connection with the Bluetooth Qualification Process, including within the Qualification Workspace Tool and

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

(b) If you receive a discount on any fees based on Your Member Company's level of membership and Your Member Company's membership level changes (e.g., it 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 the Bluetooth SIG as of the date of the membership level change will

be increased to reflect the amount owed without the discount. Further, if you prepaid any Product Qualification Fees and received a discount and you have not used the Product Qualification Fees as of the date of the membership level change, you may not use the Product Qualification Fees unless you pay the difference between the then-current standard fee and the discounted fee previously paid.

(c) When required by the Bluetooth SIG, Your Member Company must pay a Product Qualification Fee prior to completion of the Bluetooth Qualification Process. To confirm payment of the Product Qualification Fee, the Bluetooth SIG will issue a Receipt Number (as defined in the QPRD), which will be associated with your user account. Any Product Qualification Fees you pay are paid by you on behalf of Your Member Company regardless of the payment method or source of funds and proof of payment is evidenced by the issuance of a Receipt Number. If requested by Your Member Company, the Bluetooth SIG may reassign, without notice to you, prepaid Product Qualification Fees from your user account to another user account under Your Member Company's membership account. When required by the Bluetooth SIG, Your Member Company must provide the Receipt Number in the Submission as

proof of payment before completing the Bluetooth Qualification Process. All Product Qualification Fees not used expire 12 months from the date of receipt of payment and corresponding Receipt Numbers will no longer be available for use as proof of payment. No Product Qualification Fees will be refunded. Product Qualification Fees and corresponding Receipt Numbers are nontransferable and may not be transferred to another member.

5. CONFIDENTIALITY OF SUBMISSIONS.

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

(a) the following information will be treated as Member

Confidential Information and not included in the searchable database on the Bluetooth SIG's web site until the "Product Publication Date" : Product name, model number, Product Publication Date, and Product description; and

(b) the test declaration and test evidence provided as part of your Submission will be treated as Member Confidential Information for the period of time required under the Bluetooth SIG Confidentiality Policy regardless of the Product Publication 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 the 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 Qualification Workspace Tool ("**Records**") in order to document your compliance with the SIG Member Terms and Bluetooth Specifications. You agree that the 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 the 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. The 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, Your Member Company, any of your Submissions, or any Product fails to comply with the SIG Member Terms or Bluetooth Specifications, in which case Your Member Company will reimburse the Bluetooth SIG for the costs of the audit within 30 days after receiving the Bluetooth SIG's request for reimbursement.

7. ADDITIONAL DISCLAIMERS.

The Qualification Workspace 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 Qualification Workspace Tool. In addition to the disclaimers in the WTOU, the Bluetooth SIG does not guarantee that Your Content will not be removed, damaged, corrupted, or lost.

8. TERMINATION, WITHDRAWAL, SURVIVAL.

These Qualification Workspace Terms will terminate upon the termination or withdrawal of Your Member Company's membership in Bluetooth SIG and Sections 3-8 of these Qualification Workspace Terms will survive. Bluetooth SIG reserves the right to withdraw the qualification of any Product if, at any time, Bluetooth SIG determines that the Product or the corresponding Submission did not comply with the Bluetooth Terms, SIG Member Terms, or applicable Bluetooth Specifications at the time that the Submission was approved by Bluetooth SIG.

Baseband Conformance

Table 1: Physical Channel

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

Table 1a: Modulation

Item	Capability	Reference	Support	Status	Comment
1a/1	Support for GFSK modulation	[2] 3.1	M	☑	
1a/2	Support for $\pi/4$ -DQPSK modulation	[2] 3.2	O	☑	
1a/3	Support for 8DPSK modulation	[2] 3.2	C.2	☑	C.2: Optional IF BB 1a/2 "Support for $\pi/4$ -DQPSK modulation", otherwise not defined.

Table 2: Link Types

Item	Capability	Reference	Support	Status	Comment
2/1	ACL link	[1] 5.2	M	☑	
2/2	SCO link	[1] 5.4	O	☑	
2/3	eSCO link	[1] 4.3	O	☑	
2/4	Enhanced Data Rate ACL links	[1] 6.5.4	C.1	☑	C.1: Mandatory IF LMP 2b/1 "EDR for asynchronous transports (single slot)" OR LMP 2b/2 "EDR for asynchronous transports (multi-slot)", otherwise Excluded.
2/5	Enhanced Data Rate eSCO links	[1] 6.5.3	C.2	☑	C.2: Mandatory IF LMP 2b/3 "EDR for synchronous transports (Core 3.0 or later)", otherwise Excluded.
2/7	ACL with AES-CCM and MIC	[4] 8.3.2	C.4	☑	C.4: Mandatory IF LMP 2/26 "Secure Connections (Controller Support)", otherwise Excluded.
2/8	eSCO with AES-CCM	[4] 8.3.1	C.5	☑	C.5: Mandatory IF LMP 2/26 "Secure Connections (Controller Support)" AND BB 2/3 "eSCO link", otherwise Excluded.

Table 3: SCO and eSCO Link Support

Item	Capability	Reference	Support	Status	Comment
3/1	SCO links to same Peripheral	[1] 4.3	C.1	☑	C.1: Mandatory to support at least one IF BB 2/2 "SCO link", otherwise Excluded.
3/2	SCO links to different Peripherals	[1] 4.3	C.3	☑	C.3: Optional IF BB 2/2 "SCO link", otherwise Excluded.
3/3	SCO links from same Central	[1] 4.3	C.1	☑	C.1: Mandatory to support at least one IF BB 2/2 "SCO link", otherwise Excluded.
3/4	SCO links from different Centrals	[1] 4.3	C.3	☑	C.3: Optional IF BB 2/2 "SCO link", otherwise Excluded.
3/5	eSCO links to same Peripheral	[1] 4.2	C.2	☑	C.2: Mandatory to support at least one IF BB 2/3 "eSCO link", otherwise Excluded.
3/7	eSCO links from same Central	[1] 4.2	C.2	☑	C.2: Mandatory to support at least one IF BB 2/3 "eSCO link", otherwise Excluded.

Table 3a: Profile Broadcast Data Link Support

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

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

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

Table 5: ACL Packet Types

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

Table 5a: Enhanced Data Rate ACL Packet Types

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

Item	Capability	Reference	Support	Status	Comment
5a/1	2-DH1 packet type	[1] 6.5.4.8	C.1	✓	C.1: Mandatory IF (LMP 2b/1 "EDR for asynchronous transports (single slot)" OR LMP 2b/2 "EDR for asynchronous transports (multi-slot)"), otherwise Optional IF BB 1a/2 "Support for $\pi/4$ -DQPSK modulation", otherwise Excluded.
5a/2	2-DH3 packet type	[1] 6.5.4.9	C.2	✓	C.2: Mandatory IF LMP 2b/2 "EDR for asynchronous transports (multi-slot)", otherwise Optional IF BB 1a/2 "Support for $\pi/4$ -DQPSK modulation", otherwise Excluded.
5a/3	2-DH5 packet type	[1] 6.5.4.10	C.2	✓	C.2: Mandatory IF LMP 2b/2 "EDR for asynchronous transports (multi-slot)", otherwise Optional IF BB 1a/2 "Support for $\pi/4$ -DQPSK modulation", otherwise Excluded.
5a/4	3-DH1 packet type	[1] 6.5.4.11	C.3	✓	C.3: Mandatory IF LMP 2b/1 "EDR for asynchronous transports (single slot)" OR LMP 2b/2 "EDR for asynchronous transports (multi-slot)", otherwise Optional IF BB 1a/3 "Support for 8DPSK modulation", otherwise Excluded.
5a/5	3-DH3 packet type	[1] 6.5.4.12	C.4	✓	C.4: Mandatory IF LMP 2b/2 "EDR for asynchronous transports (multi-slot)", otherwise Optional IF BB 5a/2 "2-DH3 packet type" AND BB 5a/4 "3-DH1 packet type", otherwise Excluded.
5a/6	3-DH5 packet type	[1] 6.5.4.13	C.5	✓	C.5: Mandatory IF LMP 2b/2 "EDR for asynchronous transports (multi-slot)", otherwise Optional IF BB 5a/3 "2-DH5 packet type" AND BB 5a/4 "3-DH1 packet type", otherwise Excluded.

Table 6: SCO and eSCO Packet Types

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

Table 6a: Enhanced Data Rate eSCO Packet Types

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

Item	Capability	Reference	Support	Status	Comment
6a/1	2-EV3 packet type	[1] 6.5.3.4	C.1	✓	C.1: Optional IF BB 1a/2 "Support for $\pi/4$ -DQPSK modulation", otherwise Excluded.

Table 7: Page Procedures

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

Table 8: Paging Schemes

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

Table 9: Paging Modes

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

Table 9b: Paging Train Repetition

Item	Capability	Reference	Support	Status	Comment
9b/1	Npage >= 1	[1] 8.3.2, Table 8.2	O	☑	
9b/2	Npage >= 128	[1] 8.3.2, Table 8.2	O	☑	
9b/3	Npage >= 256	[1] 8.3.2, Table 8.2	M	☑	

Table 9c: Synchronization Modes Support

Item	Capability	Reference	Support	Status	Comment
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Table 10: Inquiry Procedures

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

Table 11: Piconet Capabilities

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

Table 12: Scatternet Capabilities

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

Table 13: Synchronous Coding Schemes

Prerequisite: BB 2/2 "SCO link" OR BB 2/3 "eSCO link"

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

Table 14: Erroneous Data Reporting

Item	Capability	Reference	Support	Status	Comment
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Table 16: Non-flushable Packet Boundary Flag

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

Table 17: Connection States

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

Table 18: Coarse Clock Adjust

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

Item	Capability	Reference	Support	Status	Comment
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Core Configurations

Table 1: Controller Core Specification X.Y Versions

Prerequisite: CORE 10/1 "BR/EDR Security (SEC)" OR CORE 10/2 "Link Manager Protocol (LMP)" OR CORE 10/3 "Baseband (BB)" OR CORE 10/4 "Radio Frequency (RF)" OR CORE 10/10 "Isochronous Adaptation Layer (IAL)" OR CORE 10/11 "LE Security (LESEC)" OR CORE 10/12 "Link Layer (LL)" OR CORE 10/13 "Radio Frequency Physical Layer (RFPHY)" OR CORE 10/14 "Channel Sounding (CS)" OR CORE 10/20 "PAL for 802.11 MAC/PHY (802.11 PAL)" OR CORE 12/2 "Lower HCI role"

Item	Capability	Reference	Support	Status	Comment
1/1	Controller Core any version	N/A	M	☑	
1/60	Controller Core v6.0	[28]	C.1	☑	C.1: Mandatory to support one and only one.

Table 1a: (auto-fill) Controller Core Specification X.Y Versions or Later

Prerequisite: CORE 1/1 "Controller Core any version"

Item	Capability	Reference	Support	Status	Comment
1a/50	Controller Core v5.0 or later	N/A	C.1	☑	C.1: Excluded IF CORE 1/42 "Controller Core v4.2", otherwise Mandatory.
1a/51	Controller Core v5.1 or later	N/A	C.2	☑	C.2: Excluded IF CORE 1/42 "Controller Core v4.2" OR CORE 1/50 "Controller Core v5.0", otherwise Mandatory.

1a/52	Controller Core v5.2 or later	N/A	C.3	☑	C.3: Excluded IF CORE 1/42 "Controller Core v4.2" OR CORE 1/50 "Controller Core v5.0" OR CORE 1/51 "Controller Core v5.1", otherwise Mandatory.
1a/53	Controller Core v5.3 or later	N/A	C.4	☑	C.4: Excluded IF CORE 1/42 "Controller Core v4.2" OR CORE 1/50 "Controller Core v5.0" OR CORE 1/51 "Controller Core v5.1" OR CORE 1/52 "Controller Core v5.2", otherwise Mandatory.
1a/54	Controller Core v5.4 or later	N/A	C.5	☑	C.5: Excluded IF CORE 1/42 "Controller Core v4.2" OR CORE 1/50 "Controller Core v5.0" OR CORE 1/51 "Controller Core v5.1" OR CORE 1/52 "Controller Core v5.2" OR CORE 1/53 "Controller Core v5.3", otherwise Mandatory.
1a/60	Controller Core v6.0 or later	N/A	C.6	☑	C.6: Excluded IF CORE 1/42 "Controller Core v4.2" OR CORE 1/50 "Controller Core v5.0" OR CORE 1/51 "Controller Core v5.1" OR CORE 1/52 "Controller Core v5.2" OR CORE 1/53 "Controller Core v5.3" OR CORE 1/54 "Controller Core v5.4", otherwise Mandatory.

Table 1b: (auto-fill) Controller Core Specification X.Y Versions or Earlier

Prerequisite: CORE 1/1 "Controller Core any version"

Item	Capability	Reference	Support	Status	Comment
1b/60	Controller Core v6.0 or earlier	N/A	C.6	☑	C.6: Mandatory IF CORE 1/42 "Controller Core v4.2" OR CORE 1/50 "Controller Core v5.0" OR CORE 1/51 "Controller Core v5.1" OR CORE 1/52 "Controller Core v5.2" OR CORE 1/53 "Controller Core v5.3" OR CORE 1/54 "Controller Core v5.4" OR CORE 1/60 "Controller Core v6.0", otherwise Excluded.

Table 1c: Controller Core Addenda and Errata

Item	Capability	Reference	Support	Status	Comment
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Table 2: Host Core Specification X.Y Versions

Prerequisite: CORE 11/1 "Generic Attribute Profile (GATT)" OR CORE 11/2 "Attribute Protocol (ATT)" OR CORE 11/3 "Generic Access Profile (GAP)" OR CORE 11/4 "Service Discovery Protocol (SDP)" OR CORE 11/5 "Logical Link Control and Adaptation Protocol (L2CAP)" OR CORE 11/6 "Security Manager (SM)" OR CORE 11/20 "AMP Manager Protocol (A2MP)" OR CORE 12/3 "Upper HCI role"

Item	Capability	Reference	Support	Status	Comment
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Table 2a: (auto-fill) Host Core Specification X.Y Versions or Later

Prerequisite: CORE 2/1 "Host Core any version"

Item	Capability	Reference	Support	Status	Comment
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Table 2b: (auto-fill) Host Core Specification X.Y Versions or Earlier

Prerequisite: CORE 2/1 "Host Core any version"

Item	Capability	Reference	Support	Status	Comment
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Table 10: Controller Layer Requirements

Item	Capability	Reference	Support	Status	Comment
10/1	BR/EDR Security (SEC)	[1], [2], [3], [4], [5], [6], [28]Volume 2, Part H	O	☑	
10/2	Link Manager Protocol (LMP)	[1], [2], [3], [4], [5], [6], [28]Volume 2, Part C	O	☑	
10/3	Baseband (BB)	[1], [2], [3], [4], [5], [6], [28]Volume 2, Part B	O	☑	
10/4	Radio Frequency (RF)	[1], [2], [3], [4], [5], [6], [28]Volume 2, Part A	O	☑	
10/10	Isochronous Adaptation Layer (IAL)	[4], [5], [6], [28]Volume 6, Part G	C.2	☑	C.2: Optional IF CORE 1a/52 "Controller Core v5.2 or later", otherwise Excluded.
10/11	LE Security (LESEC)	[1], [2], [3], [4], [5], [6], [28]Volume 6, Part E	C.1	☑	C.1: Mandatory IF CORE 20a/2 "LE encryption", otherwise Excluded.
10/12	Link Layer (LL)	[1], [2], [3], [4], [5], [6], [28]Volume 6, Part B	O	☑	
10/13	Radio Frequency Physical Layer (RFPHY)	[1], [2], [3], [4], [5], [6], [28]Volume 6, Part A	O	☑	

Table 11: Host Layer Requirements

Item	Capability	Reference	Support	Status	Comment
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Table 12: HCI Layer Requirements

Item	Capability	Reference	Support	Status	Comment
12/1	Host Controller Interface (HCI)	[1], [2], [3] Volume 2, Part E, [4], [5], [6], [28]Volume 4, Part E	O	☑	
12/2	Lower HCI role	[1], [2], [3] Volume 2, Part E, [4], [5], [6], [28]Volume 4, Part E	C.1, C.2	☑	C.1: Mandatory to support at least one IF CORE 12/1 "Host Controller Interface (HCI)", otherwise Excluded. C.2: Mandatory to support none or all IF CORE 40/3 "Core-Complete", otherwise Optional.

Table 13: Other Core Layer Requirements

Item	Capability	Reference	Support	Status	Comment
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Table 20: (auto-fill) Core Layer Groupings (Excluding HCI)

Item	Capability	Reference	Support	Status	Comment
20/1	BR/EDR Controller Layers	[8] 2.1.1	C.1	☑	C.1: Mandatory IF CORE 10/1 "BR/EDR Security (SEC)" AND CORE 10/2 "Link Manager Protocol (LMP)" AND CORE 10/3 "Baseband (BB)" AND CORE 10/4 "Radio Frequency (RF)", otherwise Excluded.
20/3	LE Controller Layers	[8] 2.1.2	C.3	☑	C.3: Mandatory IF CORE 10/12 "Link Layer (LL)" AND CORE 10/13 "Radio Frequency Physical Layer (RFPHY)" AND ((CORE 10/11 "LE Security (LESEC)" AND CORE 20a/2 "LE encryption") OR (NOT CORE 10/11 "LE Security (LESEC)" AND NOT CORE 20a/2 "LE encryption")) AND ((CORE 10/10 "Isochronous Adaptation Layer (IAL)" AND CORE 20a/3 "Isochronous channels") OR (NOT CORE 10/10 "Isochronous Adaptation Layer (IAL)" AND NOT CORE 20a/3 "Isochronous channels")) AND ((CORE 10/14 "Channel Sounding (CS)" AND CORE 20a/4 "Channel Sounding") OR (NOT CORE 10/14 "Channel Sounding (CS)" AND NOT CORE 20a/4 "Channel Sounding")), otherwise Excluded.

Table 20a: (auto-fill) Core Layer References

Item	Capability	Reference	Support	Status	Comment
20a/2	LE encryption	[8] 2.1.2	C.2	☑	C.2: Mandatory IF LL 9/1 "LE Encryption", otherwise Excluded.
20a/3	Isochronous channels	[8] 2.1.2	C.3	☑	C.3: Mandatory IF LL 9/31 "Connected Isochronous Stream - Central" OR LL 9/32 "Connected Isochronous Stream - Peripheral" OR LL 9/33 "Isochronous Broadcaster" OR LL 9/34 "Synchronized Receiver", otherwise Excluded.

Table 30: (auto-fill) Core-Controller Configurations

Prerequisite: CORE 12/2 "Lower HCI role" AND NOT (CORE 11/1 "Generic Attribute Profile (GATT)" OR CORE 11/2 "Attribute Protocol (ATT)" OR CORE 11/3 "Generic Access Profile (GAP)" OR CORE 11/4 "Service Discovery Protocol (SDP)" OR CORE 11/5 "Logical Link Control and Adaptation Protocol (L2CAP)" OR CORE 11/6 "Security Manager (SM)" OR CORE 11/20 "AMP Manager Protocol (A2MP)" OR CORE 12/3 "Upper HCI role")

Item	Capability	Reference	Support	Status	Comment
30/3	BR/EDR/LE Core-Controller Configuration	[8] 2.1.3	C.3	☑	C.3: Mandatory IF CORE 20/1 "BR/EDR Controller Layers" AND CORE 20/3 "LE Controller Layers" AND NOT CORE 10/20 "PAL for 802.11 MAC/PHY (802.11 PAL)", otherwise Excluded.

Table 31: (auto-fill) Core-Host Configurations

Prerequisite: CORE 12/3 "Upper HCI role" AND NOT (CORE 10/1 "BR/EDR Security (SEC)" OR CORE 10/2 "Link Manager Protocol (LMP)" OR CORE 10/3 "Baseband (BB)" OR CORE 10/4 "Radio Frequency (RF)" OR CORE 10/10 "Isochronous Adaptation Layer (IAL)" OR CORE 10/11 "LE Security (LESEC)" OR CORE 10/12 "Link Layer (LL)" OR CORE 10/13 "Radio Frequency Physical Layer (RFPHY)" OR CORE 10/14 "Channel Sounding (CS)" OR CORE 10/20 "PAL for 802.11 MAC/PHY (802.11 PAL)" OR CORE 12/2 "Lower HCI role")

Item	Capability	Reference	Support	Status	Comment
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Table 32: (auto-fill) Core-Complete Configurations

Item	Capability	Reference	Support	Status	Comment
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Table 40: (auto-fill) Configurations

Item	Capability	Reference	Support	Status	Comment
40/1	Core-Controller	[8] 2.1	C.1	☑	C.1: Mandatory IF CORE 30/1 "BR/EDR Core-Controller Configuration" OR CORE 30/2 "LE Core-Controller Configuration" OR CORE 30/3 "BR/EDR/LE Core-Controller Configuration" OR CORE 30/4 "HS Core-Controller Configuration" OR CORE 30/5 "HS/LE Core-Controller Configuration", otherwise Excluded.

Table 41: (auto-fill) Transport Configurations

Item	Capability	Reference	Support	Status	Comment
41/3	BR/EDR/LE Core Configuration	[8] 2	C.3	☑	C.3: Mandatory IF CORE 30/3 "BR/EDR/LE Core-Controller Configuration" OR CORE 30/5 "HS/LE Core-Controller Configuration" OR CORE 31/3 "BR/EDR/LE Core-Host Configuration" OR CORE 31/5 "HS/LE Core-Host Configuration" OR CORE 32/3 "BR/EDR/LE Core-Complete Configuration" OR CORE 32/5 "HS/LE Core-Complete Configuration", otherwise Excluded.

Host Controller Interface

Table 1a: IUT Configuration

Item	Capability	Reference	Support	Status	Comment
1a/1	BR/EDR Controller	[1] 1	C.0	☑	C.0: Mandatory to support at least one.
1a/4	LE Controller	[1] 1	C.0	☑	C.0: Mandatory to support at least one.

Table 1:

Item	Capability	Reference	Support	Status	Comment
1/1	Command Complete event	[1] 7.7.14	M	☑	
1/2	Command Status event	[1] 7.7.15	M	☑	
1/3	Hardware Error event	[1] 7.7.16	O	☑	

Table 2:

Item	Capability	Reference	Support	Status	Comment
2/1	Reset command	[1] 7.3.2	M	☑	

Table 3:

Item	Capability	Reference	Support	Status	Comment
3/1	Read Buffer Size command	[1] 7.4.5	M	☑	BR/EDR Controller or AMP Controller
3/5	LE Read Buffer Size command [v1]	[1] 7.8.2	C.3	☑	LE Controller C.3: Mandatory IF LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role", otherwise Excluded.
3/6	LE Request Peer SCA command	[5] 7.8.108	C.44	☑	LE Controller, Core v5.2 or later C.44: Mandatory IF LL 9/30 "Sleep Clock Accuracy Updates" AND (LL 9/31 "Connected Isochronous Stream - Central" OR LL 9/32 "Connected Isochronous Stream - Peripheral"), otherwise Optional IF LL 9/30 "Sleep Clock Accuracy Updates", otherwise Excluded.
3/7	LE Request Peer SCA Complete event	[5] 7.7.65.31	C.95	☑	LE Controller, Core v5.2 or later C.95: Mandatory IF HCI 3/6 "LE Request Peer SCA command", otherwise Excluded.

3/8	LE Read Buffer Size command [v2]	[5] 7.8.2	C.55	✓	LE Controller, Core v5.2 or later C.55: Mandatory IF LL 9/31 "Connected Isochronous Stream - Central" OR LL 9/32 "Connected Isochronous Stream - Peripheral" OR LL 9/33 "Isochronous Broadcaster", otherwise Optional IF LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role", otherwise Excluded.
3/9	LE Read ISO TXSync command	[5] 7.8.96	C.45	✓	LE Controller, Core v5.2 or later C.45: Mandatory IF LL 9/31 "Connected Isochronous Stream - Central" OR LL 9/32 "Connected Isochronous Stream - Peripheral" OR LL 9/33 "Isochronous Broadcaster", otherwise Excluded.

Table 4:

Item	Capability	Reference	Support	Status	Comment
4/1	Read Local Version Information command	[1] 7.4.1	M	✓	
4/2	Read Local Supported Commands command	[1] 7.4.2	M	✓	
4/3	Read Local Supported Features command	[1] 7.4.3	M	✓	
4/4	Read Local Extended Features command	[1] 7.4.4	C.220	✓	BR/EDR Controller C.220: Mandatory IF LMP 11/4 "Respond to extended features request", otherwise Excluded.
4/5	Read BD_ADDR command	[1] 7.4.6	M	✓	BR/EDR/LE Controller
4/8	LE Read Local Supported Features Page 0 command	[1] 7.8.3	M	✓	LE Controller
4/9	LE Read Supported States command	[1] 7.8.27	M	✓	LE Controller
4/10	Read Local Supported Codecs command [v1]	[1] 7.4.8	C.157	✓	BR/EDR Controller C.157: Mandatory IF HCI 4/13 "Read Local Supported Codecs command [v2]", otherwise Optional.
4/12	Read Local Simple Pairing Options command	[4] 7.4.9	O	✓	BR/EDR Controller
4/13	Read Local Supported Codecs command [v2]	[5] 7.4.8	O	✓	BR/EDR/LE Controller, Core v5.2 or later
4/14	Read Local Supported Codec Capabilities command	[5] 7.4.10	C.156	✓	BR/EDR/LE Controller, Core v5.2 or later C.156: Mandatory IF HCI 4/13 "Read Local Supported Codecs command [v2]", otherwise Excluded.
4/15	Read Local Supported Controller Delay command	[1] 7.4.11	C.156	✓	BR/EDR/LE Controller, Core v5.2 or later C.156: Mandatory IF HCI 4/13 "Read Local Supported Codecs command [v2]", otherwise Excluded.

Table 5:

Item	Capability	Reference	Support	Status	Comment
5/1	Read Local Name command	[1] 7.3.12	M	✓	BR/EDR Controller
5/2	Write Local Name command	[1] 7.3.11	M	✓	BR/EDR Controller
5/3	Read Class of Device command	[1] 7.3.25	M	✓	BR/EDR Controller
5/4	Write Class of Device command	[1] 7.3.26	M	✓	BR/EDR Controller
5/5	Read Number of Supported IAC command	[1] 7.3.43	C.125	✓	BR/EDR Controller C.125: Mandatory IF BB 10/2 "Inquiry Scan with first FHS", otherwise Excluded.
5/6	Read Current IAC LAP command	[1] 7.3.44	C.125	✓	BR/EDR Controller C.125: Mandatory IF BB 10/2 "Inquiry Scan with first FHS", otherwise Excluded.
5/7	Write Current IAC LAP command	[1] 7.3.45	C.125	✓	BR/EDR Controller C.125: Mandatory IF BB 10/2 "Inquiry Scan with first FHS", otherwise Excluded.
5/8	Read Scan Enable command	[1] 7.3.17	M	✓	BR/EDR Controller
5/9	Write Scan Enable command	[1] 7.3.18	M	✓	BR/EDR Controller
5/13	LE Set Random Address command	[1] 7.8.4	C.1	✓	LE Controller C.1: Mandatory IF RFPHY 1/1 "LE Transmitter" OR RFPHY 1/3 "LE Transceiver", otherwise Excluded.

5/14	LE Read Filter Accept List Size command	[1] 7.8.14	M	✓	LE Controller
5/15	LE Add Device To Filter Accept List command	[1] 7.8.16	M	✓	LE Controller
5/16	LE Clear Filter Accept List command	[1] 7.8.15	M	✓	LE Controller
5/17	LE Remove Device From Filter Accept List command	[1] 7.8.17	M	✓	LE Controller
5/27	LE Add Device To Resolving List command	[1] 7.8.38	C.9	✓	LE Controller C.9: Mandatory IF LL 9/13 "LL Privacy", otherwise Excluded.
5/28	LE Remove Device From Resolving List command	[1] 7.8.39	C.9	✓	LE Controller C.9: Mandatory IF LL 9/13 "LL Privacy", otherwise Excluded.
5/29	LE Clear Resolving List command	[1] 7.8.40	C.9	✓	LE Controller C.9: Mandatory IF LL 9/13 "LL Privacy", otherwise Excluded.
5/30	LE Read Resolving List Size command	[1] 7.8.41	C.9	✓	LE Controller C.9: Mandatory IF LL 9/13 "LL Privacy", otherwise Excluded.
5/31	LE Set Address Resolution Enable command	[1] 7.8.44	C.9	✓	LE Controller C.9: Mandatory IF LL 9/13 "LL Privacy", otherwise Excluded.
5/32	LE Set Resolvable Private Address Timeout command	[1] 7.8.45	C.9	✓	LE Controller C.9: Mandatory IF LL 9/13 "LL Privacy", otherwise Excluded.
5/33	LE Set Advertising Set Random Address command	[2] 7.8.52	C.17	✓	LE Controller, Core v5.0 or earlier C.17: Mandatory IF LL 3/9 "Extended Advertising", otherwise Excluded.
5/34	LE Set Extended Advertising Parameters command [v1]	[2] 7.8.53	C.65	✓	LE Controller, Core v5.0 or earlier C.65: Mandatory IF HCI 5/34a "LE Set Extended Advertising Parameters command [v2]" OR LL 3/9 "Extended Advertising", otherwise Excluded.
5/35	LE Set Periodic Advertising Parameters command [v1]	[2] 7.8.61	C.18	✓	LE Controller, Core v5.0 or earlier C.18: Mandatory IF LL 3/10 "Periodic Advertising", otherwise Excluded.
5/36	LE Set Extended Advertising Data command	[2] 7.8.54	C.17	✓	LE Controller, Core v5.0 or earlier C.17: Mandatory IF LL 3/9 "Extended Advertising", otherwise Excluded.
5/37	LE Set Periodic Advertising Data command	[2] 7.8.62	C.18	✓	LE Controller, Core v5.0 or earlier C.18: Mandatory IF LL 3/10 "Periodic Advertising", otherwise Excluded.
5/38	LE Set Extended Scan Response Data command	[2] 7.8.55	C.17	✓	LE Controller, Core v5.0 or earlier C.17: Mandatory IF LL 3/9 "Extended Advertising", otherwise Excluded.
5/39	LE Scan Request Received event	[2] 7.7.65.19	C.17	✓	LE Controller, Core v5.0 or earlier C.17: Mandatory IF LL 3/9 "Extended Advertising", otherwise Excluded.
5/40	LE Set Extended Advertising Enable command	[2] 7.8.56	C.17	✓	LE Controller, Core v5.0 or earlier C.17: Mandatory IF LL 3/9 "Extended Advertising", otherwise Excluded.
5/41	LE Set Periodic Advertising Enable command	[2] 7.8.63	C.18	✓	LE Controller, Core v5.0 or earlier C.18: Mandatory IF LL 3/10 "Periodic Advertising", otherwise Excluded.
5/42	LE Read Maximum Advertising Data Length command	[2] 7.8.57	C.17	✓	LE Controller, Core v5.0 or earlier C.17: Mandatory IF LL 3/9 "Extended Advertising", otherwise Excluded.
5/43	LE Read Number of Supported Advertising Sets command	[2] 7.8.58	C.17	✓	LE Controller, Core v5.0 or earlier C.17: Mandatory IF LL 3/9 "Extended Advertising", otherwise Excluded.
5/44	LE Read Transmit Power command	[2] 7.8.74	C.64	✓	LE Controller, Core v5.0 or earlier C.64: Optional IF RFPHY 1/1 "LE Transmitter" OR RFPHY 1/3 "LE Transceiver", otherwise Excluded.
5/45	LE Write RF Path Compensation command	[2] 7.8.76	C.22	✓	LE Controller, Core v5.0 or earlier C.22: Mandatory IF LL 3/12 "Sending Tx Power in advertisements" OR LL 9/37 "LE Power Control Request", otherwise Optional.

5/46	LE Read RF Path Compensation command	[2] 7.8.75	C.22	✓	LE Controller, Core v5.0 or earlier C.22: Mandatory IF LL 3/12 "Sending TxPower in advertisements" OR LL 9/37 "LE Power Control Request", otherwise Optional.
5/47	LE Remove Advertising Set command	[2] 7.8.59	C.17	✓	LE Controller, Core v5.0 or earlier C.17: Mandatory IF LL 3/9 "Extended Advertising", otherwise Excluded.
5/48	LE Clear Advertising Sets command	[2] 7.8.60	C.17	✓	LE Controller, Core v5.0 or earlier C.17: Mandatory IF LL 3/9 "Extended Advertising", otherwise Excluded.
5/49	LE Advertising Set Terminated event	[2] 7.7.65.18	C.17	✓	LE Controller, Core v5.0 or earlier C.17: Mandatory IF LL 3/9 "Extended Advertising", otherwise Excluded.
5/54	LE Setup ISO Data Path command	[5] 7.8.109	C.47	✓	LE Controller, Core v5.2 or later C.47: Mandatory IF LL 9/31 "Connected Isochronous Stream - Central" OR LL 9/32 "Connected Isochronous Stream - Peripheral", OR LL 9/33 "Isochronous Broadcaster" OR LL 9/34 "Synchronized Receiver", otherwise Excluded.
5/55	LE Remove ISO Data Path command	[2] 7.8.110	C.47	✓	LE Controller, Core v5.2 or later C.47: Mandatory IF LL 9/31 "Connected Isochronous Stream - Central" OR LL 9/32 "Connected Isochronous Stream - Peripheral", OR LL 9/33 "Isochronous Broadcaster" OR LL 9/34 "Synchronized Receiver", otherwise Excluded.
5/56	LE Set CIG Parameters command	[2] 7.8.97	C.39	✓	LE Controller, Core v5.2 or later C.39: Mandatory IF LL 9/31 "Connected Isochronous Stream - Central", otherwise Excluded.
5/57	LE Remove CIG command	[2] 7.8.100	C.39	✓	LE Controller, Core v5.2 or later C.39: Mandatory IF LL 9/31 "Connected Isochronous Stream - Central", otherwise Excluded.
5/58	LE Set CIG Parameters Test command	[2] 7.8.98	C.39	✓	LE Controller, Core v5.2 or later C.39: Mandatory IF LL 9/31 "Connected Isochronous Stream - Central", otherwise Excluded.
5/59	LE Enhanced Read Transmit Power Level command	[2] 7.8.117	C.51	✓	LE Controller, Core v5.2 or later C.51: Mandatory IF LL 9/37 "LE Power Control Request", otherwise Excluded.
5/62	LE Transmit Power Reporting event	[2] 7.7.65.33	C.51	✓	LE Controller, Core v5.2 or later C.51: Mandatory IF LL 9/37 "LE Power Control Request", otherwise Excluded.
5/64	LE Set Transmit Power Reporting Enable command	[2] 7.8.121	C.51	✓	LE Controller, Core v5.2 or later C.51: Mandatory IF LL 9/37 "LE Power Control Request", otherwise Excluded.
5/65	Set Ecosystem Base Interval command	[2] 7.3.100	O	✓	Core v5.2 or later
5/66	Configure Data Path command	[5] 7.3.101	C.156	✓	BR/EDR/LE Controller, Core v5.2 or later C.156: Mandatory IF HCI 4/13 "Read Local Supported Codecs command [v2]", otherwise Excluded.

Table 6:

Item	Capability	Reference	Support	Status	Comment
6/1	Inquiry command	[1] 7.1.1	C.127	✓	BR/EDR Controller C.127: Mandatory IF BB 10/1 "Inquiry", otherwise Excluded.
6/2	Inquiry Cancel command	[1] 7.1.2	C.127	✓	BR/EDR Controller C.127: Mandatory IF BB 10/1 "Inquiry", otherwise Excluded.
6/5	Read Inquiry Scan Activity command	[1] 7.3.21	C.125	✓	BR/EDR Controller C.125: Mandatory IF BB 10/2 "Inquiry Scan with first FHS", otherwise Excluded.
6/6	Write Inquiry Scan Activity command	[1] 7.3.22	C.125	✓	BR/EDR Controller C.125: Mandatory IF BB 10/2 "Inquiry Scan with first FHS", otherwise Excluded.
6/7	Read Inquiry Scan Type command	[1] 7.3.47	C.125	✓	BR/EDR Controller C.125: Mandatory IF BB 10/2 "Inquiry Scan with first FHS", otherwise Excluded.
6/8	Write Inquiry Scan Type command	[1] 7.3.48	C.125	✓	BR/EDR Controller C.125: Mandatory IF BB 10/2 "Inquiry Scan with first FHS", otherwise Excluded.
6/9	Read Inquiry Mode command	[1] 7.3.49	C.115	✓	BR/EDR Controller C.115: Mandatory IF HCI 6/10 "Write Inquiry Mode command", otherwise Excluded.
6/10	Write Inquiry Mode command	[1] 7.3.50	C.146	✓	BR/EDR Controller C.146: Mandatory IF HCI 6/46 "Extended Inquiry Result event" OR HCI 16/54 "IO Capability Request event", otherwise Optional IF BB 10/1 "Inquiry", otherwise Excluded.
6/11	Read Inquiry Response Transmit Power Level command	[1] 7.3.61	C.125	✓	BR/EDR Controller C.125: Mandatory IF BB 10/2 "Inquiry Scan with first FHS", otherwise Excluded.
6/12	Write Inquiry Transmit Power Level command	[1] 7.3.62	C.127	✓	BR/EDR Controller C.127: Mandatory IF BB 10/1 "Inquiry", otherwise Excluded.
6/13	Read Extended Inquiry Response command	[1] 7.3.55	C.205	✓	BR/EDR Controller C.205: Mandatory IF BB 10/7 "Extended Inquiry Response", otherwise Excluded.

6/14	Write Extended Inquiry Response command	[1] 7.3.56	C.205	☑	BR/EDR Controller C.205: Mandatory IF BB 10/7 "Extended Inquiry Response", otherwise Excluded.
6/15	LE Set Advertising Enable command	[1] 7.8.9	C.97	☑	LE Controller C.97: Mandatory IF LL 1/1 "Advertising State", otherwise Excluded.
6/16	LE Set Advertising Parameters command	[1] 7.8.5	C.97	☑	LE Controller C.97: Mandatory IF LL 1/1 "Advertising State", otherwise Excluded.
6/17	LE Set Scan Response Data command	[1] 7.8.8	C.15	☑	LE Controller C.15: Mandatory IF LL 3/2 "Connectable and scannable undirected events" OR LL 3/5 "Scannable undirected events" OR LL 3/5a "Scannable directed events", otherwise Excluded.
6/18	LE Set Advertising Data command	[1] 7.8.7	C.97	☑	LE Controller C.97: Mandatory IF LL 1/1 "Advertising State", otherwise Excluded.
6/19	LE Advertising Report event	[1] 7.7.65.2	C.98	☑	LE Controller C.98: Mandatory IF LL 1/2 "Scanning State", otherwise Excluded.
6/20	LE Set Scan Enable command	[1] 7.8.11	C.98	☑	LE Controller C.98: Mandatory IF LL 1/2 "Scanning State", otherwise Excluded.
6/21	LE Set Scan Parameters command	[1] 7.8.10	C.98	☑	LE Controller C.98: Mandatory IF LL 1/2 "Scanning State", otherwise Excluded.
6/22	LE Read Advertising Physical Channel Tx Power command	[1] 7.8.6	C.97	☑	LE Controller C.97: Mandatory IF LL 1/1 "Advertising State", otherwise Excluded.
6/23	Inquiry Response Notification event	[1] 7.7.74	C.126	☑	BR/EDR Controller C.126: Optional IF BB 10/2 "Inquiry Scan with first FHS", otherwise Excluded.
6/24	Read Extended Inquiry Length command	[1] 7.3.98	C.113	☑	BR/EDR Controller C.113: Mandatory IF HCI 6/25 "Write Extended Inquiry Length command", otherwise Excluded.
6/25	Write Extended Inquiry Length command	[1] 7.3.99	C.128	☑	BR/EDR Controller C.128: Optional IF BB 10/1 "Inquiry", otherwise Excluded.
6/26	LE Directed Advertising Report event	[1] 7.7.65.11	C.63	☑	LE Controller C.63: Mandatory IF LL 1/2 "Scanning State" AND LL 9/13 "LL Privacy", otherwise Excluded.
6/27	LE Set Extended Scan Parameters command	[2] 7.8.64	C.19	☑	LE Controller, Core v5.0 or earlier C.19: Mandatory IF LL 4/7 "Extended Scanning", otherwise Excluded.
6/28	LE Set Extended Scan Enable command	[2] 7.8.65	C.19	☑	LE Controller, Core v5.0 or earlier C.19: Mandatory IF LL 4/7 "Extended Scanning", otherwise Excluded.
6/29	LE Extended Advertising Report event	[2] 7.7.65.13	C.19	☑	LE Controller, Core v5.0 or earlier C.19: Mandatory IF LL 4/7 "Extended Scanning", otherwise Excluded.
6/30	LE Periodic Advertising Create Sync command	[2] 7.8.67	C.16	☑	LE Controller, Core v5.0 or earlier C.16: Mandatory IF LL 4/8 "Scanning for Periodic Advertising" AND LL 1/3a "Synchronized State", otherwise Excluded.
6/31	LE Periodic Advertising Create Sync Cancel command	[2] 7.8.68	C.16	☑	LE Controller, Core v5.0 or earlier C.16: Mandatory IF LL 4/8 "Scanning for Periodic Advertising" AND LL 1/3a "Synchronized State", otherwise Excluded.
6/32	LE Periodic Advertising Terminate Sync command	[2] 7.8.69	C.21	☑	LE Controller, Core v5.0 or earlier C.21: Mandatory IF LL 11/1 "Synchronizing to Periodic Advertising", otherwise Excluded.
6/33	LE Periodic Advertising Report event [v1]	[2] 7.7.65.15	C.21	☑	LE Controller, Core v5.0 or earlier C.21: Mandatory IF LL 11/1 "Synchronizing to Periodic Advertising", otherwise Excluded.
6/34	LE Periodic Advertising Sync Lost event	[2] 7.7.65.16	C.21	☑	LE Controller, Core v5.0 or earlier C.21: Mandatory IF LL 11/1 "Synchronizing to Periodic Advertising", otherwise Excluded.
6/35	LE Periodic Advertising Sync Established event [v1]	[2] 7.7.65.14	C.16	☑	LE Controller, Core v5.0 or earlier C.16: Mandatory IF LL 4/8 "Scanning for Periodic Advertising" AND LL 1/3a "Synchronized State", otherwise Excluded.
6/36	LE Scan Timeout event	[2] 7.7.65.17	C.19	☑	LE Controller, Core v5.0 or earlier C.19: Mandatory IF LL 4/7 "Extended Scanning", otherwise Excluded.
6/37	LE Set Periodic Advertising Receive Enable command	[3] 7.8.88	C.32	☑	LE Controller, Core v5.1 or later C.32: Mandatory IF LL 9/27 "Periodic Advertising Sync Transfer - Recipient", otherwise Optional IF LL 11/1 "Synchronizing to Periodic Advertising", otherwise Excluded.
6/38	LE BIG Create Sync command	[5] 7.8.106	C.42	☑	LE Controller, Core v5.2 or later C.42: Mandatory IF LL 9/34 "Synchronized Receiver", otherwise Excluded.
6/39	LE BIG Sync Established event	[2] 7.7.65.29	C.42	☑	LE Controller, Core v5.2 or later C.42: Mandatory IF LL 9/34 "Synchronized Receiver", otherwise Excluded.
6/40	LE Terminate BIG command	[2] 7.8.105	C.41	☑	LE Controller, Core v5.2 or later C.41: Mandatory IF LL 9/33 "Isochronous Broadcaster", otherwise Excluded.
6/41	LE BIG Sync Lost event	[2] 7.7.65.30	C.42	☑	LE Controller, Core v5.2 or later C.42: Mandatory IF LL 9/34 "Synchronized Receiver", otherwise Excluded.

6/42	LE BIG Terminate Sync command	[2] 7.8.107	C.42	☑	LE Controller, Core v5.2 or later C.42: Mandatory IF LL 9/34 "Synchronized Receiver", otherwise Excluded.
6/43	LE Terminate BIG Complete event	[2] 7.7.65.28	C.41	☑	LE Controller, Core v5.2 or later C.41: Mandatory IF LL 9/33 "Isochronous Broadcaster", otherwise Excluded.
6/44	LE BIGInfo Advertising Report event	[2] 7.7.65.34	C.54	☑	LE Controller, Core v5.2 or later C.54: Mandatory IF LL 9/34 "Synchronized Receiver", otherwise Optional.
6/45	Inquiry Result event	[2] 7.7.2	C.127	☑	BR/EDR Controller C.127: Mandatory IF BB 10/1 "Inquiry", otherwise Excluded.
6/46	Extended Inquiry Result event	[2] 7.7.38	C.147	☑	BR/EDR Controller C.147: Optional IF HCI 6/47 "Inquiry Result with RSSI event", otherwise Excluded.
6/47	Inquiry Result with RSSI event	[2] 7.7.33	C.128	☑	BR/EDR Controller C.128: Optional IF BB 10/1 "Inquiry", otherwise Excluded.
6/48	Inquiry Complete event	[2] 7.7.1	C.127	☑	BR/EDR Controller C.127: Mandatory IF BB 10/1 "Inquiry", otherwise Excluded.
6/49	Page Scan Repetition Mode Change event	[2] 7.7.31	O	☑	BR/EDR Controller

Table 7:

Item	Capability	Reference	Support	Status	Comment
7/1	Create Connection command	[1] 7.1.5	M	☑	BR/EDR Controller
7/2	Accept Connection Request command	[1] 7.1.8	M	☑	BR/EDR Controller
7/3	Reject Connection Request command	[1] 7.1.9	M	☑	BR/EDR Controller
7/4	Create Connection Cancel command	[1] 7.1.7	M	☑	BR/EDR Controller
7/5	Disconnect command	[1] 7.1.6	C.3b	☑	BR/EDR/LE Controller C.3b: Mandatory IF HCI 1a/1 "BR/EDR Controller" OR LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role", otherwise Excluded.
7/6	Read Page Timeout command	[1] 7.3.15	M	☑	BR/EDR Controller
7/7	Write Page Timeout command	[1] 7.3.16	M	☑	BR/EDR Controller
7/8	Read Page Scan Activity command	[1] 7.3.19	M	☑	BR/EDR Controller
7/9	Write Page Scan Activity command	[1] 7.3.20	M	☑	BR/EDR Controller
7/10	Read Page Scan Type command	[1] 7.3.51	C.119	☑	BR/EDR Controller C.119: Mandatory IF HCI 7/11 "Write Page Scan Type command", otherwise Excluded.
7/11	Write Page Scan Type command	[1] 7.3.52	C.154	☑	BR/EDR Controller C.154: Mandatory IF BB 7/5 "Interlaced Scan during Page Scan", otherwise Optional.
7/12	Read Connection Accept Timeout command	[1] 7.3.13	C.40a	☑	C.40a: Mandatory IF HCI 1a/1 "BR/EDR Controller" OR HCI 1a/3 "AMP Controller" OR LL 9/32 "Connected Isochronous Stream - Peripheral", otherwise Excluded.
7/13	Write Connection Accept Timeout command	[1] 7.3.14	C.40a	☑	C.40a: Mandatory IF HCI 1a/1 "BR/EDR Controller" OR HCI 1a/3 "AMP Controller" OR LL 9/32 "Connected Isochronous Stream - Peripheral", otherwise Excluded.
7/23	LE Create Connection command	[1] 7.8.12	C.59	☑	LE Controller C.59: Mandatory IF LL 1/5 "Central Role", otherwise Excluded.
7/24	LE Create Connection Cancel command	[1] 7.8.13	C.94	☑	LE Controller C.94: Mandatory IF HCI 7/23 "LE Create Connection command" OR HCI 7/41 "LE Extended Create Connection command [v1]", otherwise Excluded.
7/25	LE Connection Complete event	[1] 7.7.65.1	C.3	☑	LE Controller C.3: Mandatory IF LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role", otherwise Excluded.
7/26	Disconnection Complete event	[1] 7.7.5	C.3b	☑	BR/EDR/LE Controller C.3b: Mandatory IF HCI 1a/1 "BR/EDR Controller" OR LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role", otherwise Excluded.
7/27	LE Connection Update command	[1] 7.8.18	C.62	☑	LE Controller C.62: Mandatory IF LL 1/5 "Central Role" OR (LL 1/4 "Peripheral Role" AND LL 9/3 "Connection Parameters Request procedure"), otherwise Excluded.
7/28	LE Connection Update Complete event	[1] 7.7.65.3	C.3	☑	LE Controller C.3: Mandatory IF LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role", otherwise Excluded.
7/35	LE Remote Connection Parameter Request Reply command	[1] 7.8.31	C.6	☑	LE Controller C.6: Mandatory IF LL 9/3 "Connection Parameters Request procedure", otherwise Excluded.

7/36	LE Remote Connection Parameter Request Negative Reply command	[1] 7.8.32	C.6	✓	LE Controller C.6: Mandatory IF LL 9/3 "Connection Parameters Request procedure", otherwise Excluded.
7/37	LE Remote Connection Parameter Request event	[1] 7.7.65.6	C.6	✓	LE Controller C.6: Mandatory IF LL 9/3 "Connection Parameters Request procedure", otherwise Excluded.
7/38	LE Enhanced Connection Complete event [v1]	[1] 7.7.65.10	C.24	✓	LE Controller C.24: Mandatory IF (LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role") AND (LL 9/13 "LL Privacy" OR LL 5/4 "Requesting connections using extended advertising"), otherwise Optional IF LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role", otherwise Excluded.
7/39	LE Read Peer Resolvable Address command	[1] 7.8.42	C.10	✓	LE Controller C.10: Optional IF LL 9/13 "LL Privacy", otherwise Excluded.
7/40	LE Read Local Resolvable Address command	[1] 7.8.43	C.10	✓	LE Controller C.10: Optional IF LL 9/13 "LL Privacy", otherwise Excluded.
7/41	LE Extended Create Connection command [v1]	[2] 7.8.66	C.20	✓	LE Controller, Core v5.0 or earlier C.20: Mandatory IF LL 5/4 "Requesting connections using extended advertising", otherwise Excluded.
7/42	LE Channel Selection Algorithm event	[2] 7.7.65.20	C.23	✓	LE Controller, Core v5.0 or earlier C.23: Mandatory IF LL 9/10 "Channel Selection Algorithm #2", otherwise Excluded.
7/43	LE Set Privacy Mode command	[2] 7.8.77	C.9	✓	LE Controller, Core v5.0 or earlier C.9: Mandatory IF LL 9/13 "LL Privacy", otherwise Excluded.
7/44	Connection Request event	[1] 7.7.4	M	✓	BR/EDR Controller
7/45	Connection Complete event	[1] 7.7.3	M	✓	BR/EDR Controller

Table 8:

Item	Capability	Reference	Support	Status	Comment
8/1	Remote Name Request command	[1] 7.1.19	O	✓	BR/EDR Controller
8/2	Remote Name Request Cancel command	[1] 7.1.20	C.106	✓	BR/EDR Controller C.106: Mandatory IF HCI 8/1 "Remote Name Request command", otherwise Excluded.
8/3	Read Remote Supported Features command	[1] 7.1.21	M	✓	BR/EDR Controller
8/4	Read Remote Extended Features command	[1] 7.1.22	C.220	✓	BR/EDR Controller C.220: Mandatory IF LMP 11/4 "Respond to extended features request", otherwise Excluded.
8/5a	Read Remote Version Information command on BR/EDR	[1] 7.1.23	O	✓	BR/EDR Controller
8/5b	Read Remote Version Information command on LE	[1] 7.1.23	C.3	✓	LE Controller C.3: Mandatory IF LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role", otherwise Excluded.
8/6	LE Read Remote Features Page 0 command	[1] 7.8.21	C.3	✓	LE Controller C.3: Mandatory IF LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role", otherwise Excluded.
8/7	LE Read Remote Features Page 0 Complete event	[1] 7.7.65.4	C.3	✓	LE Controller C.3: Mandatory IF LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role", otherwise Excluded.
8/8a	Read Remote Version Information Complete event on BR/EDR	[1] 7.7.12	C.105	✓	BR/EDR Controller C.105: Mandatory IF HCI 8/5a "Read Remote Version Information command on BR/EDR", otherwise Excluded.
8/8b	Read Remote Version Information Complete event on LE	[1] 7.7.12	C.3	✓	LE Controller C.3: Mandatory IF LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role", otherwise Excluded.
8/10	LE Read Remote Transmit Power Level command	[2] 7.8.118	C.51	✓	LE Controller, Core v5.2 or later C.51: Mandatory IF LL 9/37 "LE Power Control Request", otherwise Excluded.
8/11	Read Remote Extended Features Complete event	[1] 7.7.34	C.220	✓	BR/EDR Controller C.220: Mandatory IF LMP 11/4 "Respond to extended features request", otherwise Excluded.
8/12	Read Remote Supported Features Complete event	[1] 7.7.11	M	✓	BR/EDR Controller
8/13	Remote Host Supported Features Notification event	[1] 7.7.50	C.106	✓	BR/EDR Controller C.106: Mandatory IF HCI 8/1 "Remote Name Request command", otherwise Excluded.
8/14	Remote Name Request Complete event	[1] 7.7.7	C.106	✓	BR/EDR Controller C.106: Mandatory IF HCI 8/1 "Remote Name Request command", otherwise Excluded.

Table 9:

Item	Capability	Reference	Support	Status	Comment
9/1	Setup Synchronous Connection command	[1] 7.1.26	C.134	☑	BR/EDR Controller C.134: Mandatory IF BB 2/2 "SCO link" OR BB 2/3 "eSCO link", otherwise Excluded.
9/2	Accept Synchronous Connection Request command	[1] 7.1.27	C.134	☑	BR/EDR Controller C.134: Mandatory IF BB 2/2 "SCO link" OR BB 2/3 "eSCO link", otherwise Excluded.
9/3	Reject Synchronous Connection Request command	[1] 7.1.28	C.134	☑	BR/EDR Controller C.134: Mandatory IF BB 2/2 "SCO link" OR BB 2/3 "eSCO link", otherwise Excluded.
9/4	Read Voice Setting command	[1] 7.3.27	C.134	☑	BR/EDR Controller C.134: Mandatory IF BB 2/2 "SCO link" OR BB 2/3 "eSCO link", otherwise Excluded.
9/5	Write Voice Setting command	[1] 7.3.28	C.134	☑	BR/EDR Controller C.134: Mandatory IF BB 2/2 "SCO link" OR BB 2/3 "eSCO link", otherwise Excluded.
9/10	Enhanced Setup Synchronous Connection command	[1] 7.1.45	C.135	☑	BR/EDR Controller C.135: Optional IF BB 2/2 "SCO link" OR BB 2/3 "eSCO link", otherwise Excluded.
9/11	Enhanced Accept Synchronous Connection Request command	[1] 7.1.46	C.135	☑	BR/EDR Controller C.135: Optional IF BB 2/2 "SCO link" OR BB 2/3 "eSCO link", otherwise Excluded.
9/12	Synchronous Connection Complete event	[1] 7.7.35	C.134	☑	BR/EDR Controller C.134: Mandatory IF BB 2/2 "SCO link" OR BB 2/3 "eSCO link", otherwise Excluded.
9/13	Synchronous Connection Changed event	[1] 7.7.36	C.134	☑	BR/EDR Controller C.134: Mandatory IF BB 2/2 "SCO link" OR BB 2/3 "eSCO link", otherwise Excluded.

Table 10:

Item	Capability	Reference	Support	Status	Comment
10/2	Sniff Mode command	[1] 7.2.2	C.214	☑	BR/EDR Controller C.214: Mandatory IF LMP 2/8 "Sniff mode", otherwise Excluded.
10/3	Exit Sniff Mode command	[1] 7.2.3	C.214	☑	BR/EDR Controller C.214: Mandatory IF LMP 2/8 "Sniff mode", otherwise Excluded.
10/6	Read Link Policy Settings command	[1] 7.2.9	C.141	☑	BR/EDR Controller C.141: Mandatory IF LMP 2/6 "Role switch" OR LMP 2/7 "Hold mode" OR LMP 2/8 "Sniff mode", otherwise Excluded.
10/7	Write Link Policy Settings command	[1] 7.2.10	C.141	☑	BR/EDR Controller C.141: Mandatory IF LMP 2/6 "Role switch" OR LMP 2/7 "Hold mode" OR LMP 2/8 "Sniff mode", otherwise Excluded.
10/8	Read Default Link Policy Settings command	[1] 7.2.11	C.141	☑	BR/EDR Controller C.141: Mandatory IF LMP 2/6 "Role switch" OR LMP 2/7 "Hold mode" OR LMP 2/8 "Sniff mode", otherwise Excluded.
10/9	Write Default Link Policy Settings command	[1] 7.2.12	C.141	☑	BR/EDR Controller C.141: Mandatory IF LMP 2/6 "Role switch" OR LMP 2/7 "Hold mode" OR LMP 2/8 "Sniff mode", otherwise Excluded.
10/12	LE Set Data Length command	[1] 7.8.33	C.8	☑	LE Controller C.8: Mandatory IF LL 9/6 "LE Data Packet Length Extension", otherwise Optional.
10/13	LE Data Length Change event	[1] 7.7.65.7	C.8	☑	LE Controller C.8: Mandatory IF LL 9/6 "LE Data Packet Length Extension", otherwise Optional.
10/14	LE Read Suggested Default Data Length command	[1] 7.8.34	C.8	☑	LE Controller C.8: Mandatory IF LL 9/6 "LE Data Packet Length Extension", otherwise Optional.
10/15	LE Write Suggested Default Data Length command	[1] 7.8.35	C.8	☑	LE Controller C.8: Mandatory IF LL 9/6 "LE Data Packet Length Extension", otherwise Optional.
10/16	LE Read Maximum Data Length command	[1] 7.8.46	C.8	☑	LE Controller C.8: Mandatory IF LL 9/6 "LE Data Packet Length Extension", otherwise Optional.
10/24	LE Periodic Advertising Sync Transfer command	[3] 7.8.89	C.33	☑	LE Controller, Core v5.1 or later C.33: Mandatory IF LL 9/26 "Periodic Advertising Sync Transfer - Sender" AND LL 1/2 "Scanning State", otherwise Excluded.
10/25	LE Periodic Advertising Set Info Transfer command	[3] 7.8.90	C.34	☑	LE Controller, Core v5.1 or later C.34: Mandatory IF LL 9/26 "Periodic Advertising Sync Transfer - Sender" AND LL 1/1 "Advertising State", otherwise Excluded.
10/26	LE Periodic Advertising Sync Transfer Received event [v1]	[3] 7.7.65.24	C.35	☑	LE Controller, Core v5.1 or later C.35: Mandatory IF LL 9/27 "Periodic Advertising Sync Transfer - Recipient", otherwise Excluded.
10/27	LE Set Periodic Advertising Sync Transfer Parameters command	[3] 7.8.91	C.35	☑	LE Controller, Core v5.1 or later C.35: Mandatory IF LL 9/27 "Periodic Advertising Sync Transfer - Recipient", otherwise Excluded.
10/28	LE Set Default Periodic Advertising Sync Transfer Parameters command	[3] 7.8.92	C.35	☑	LE Controller, Core v5.1 or later C.35: Mandatory IF LL 9/27 "Periodic Advertising Sync Transfer - Recipient", otherwise Excluded.

10/29	LE Modify Sleep Clock Accuracy command	[3] 7.8.94	C.37	☑	LE Controller, Core v5.1 or later C.37: Mandatory IF LL 9/40 "Can Change Sleep Clock Accuracy", otherwise Excluded.
10/30	LE Create CIS command	[5] 7.8.99	C.39	☑	LE Controller, Core v5.2 or later C.39: Mandatory IF LL 9/31 "Connected Isochronous Stream - Central", otherwise Excluded.
10/31	LE CIS Established event [v1]	[5] 7.7.65.25	C.38	☑	LE Controller, Core v5.2 or later C.38: Mandatory IF LL 9/31 "Connected Isochronous Stream - Central" OR LL 9/32 "Connected Isochronous Stream - Peripheral", otherwise Excluded.
10/31a	LE CIS Established event [v2]	[5] 7.7.65.25	C.159	☑	LE Controller, Core v5.2 or later C.159: Optional IF HCI 10/31 "LE CIS Established event [v1]", otherwise Excluded.
10/32	LE CIS Request event	[5] 7.7.65.26	C.40	☑	LE Controller, Core v5.2 or later C.40: Mandatory IF LL 9/32 "Connected Isochronous Stream - Peripheral", otherwise Excluded.
10/33	LE Accept CIS Request command	[5] 7.8.101	C.40	☑	LE Controller, Core v5.2 or later C.40: Mandatory IF LL 9/32 "Connected Isochronous Stream - Peripheral", otherwise Excluded.
10/34	LE Reject CIS Request command	[5] 7.8.102	C.40	☑	LE Controller, Core v5.2 or later C.40: Mandatory IF LL 9/32 "Connected Isochronous Stream - Peripheral", otherwise Excluded.
10/35	Max Slots Change event	[1] 7.7.27	C.132	☑	BR/EDR Controller C.132: Mandatory IF BB 5/2 "DM3 packet type" OR BB 5/3 "DH3 packet type" OR BB 5/4 "DM5 packet type" OR BB 5/5 "DH5 packet type" OR LMP 2b/2 "EDR for asynchronous transports (multi-slot)", otherwise Excluded.
10/36	Mode Change event	[1] 7.7.20	C.144	☑	BR/EDR Controller C.144: Mandatory IF LMP 2/7 "Hold mode" OR LMP 2/8 "Sniff mode", otherwise Excluded.
10/37	Role Change event	[1] 7.7.18	C.212	☑	BR/EDR Controller C.212: Mandatory IF LMP 2/6 "Role switch", otherwise Excluded.
10/38	Connection Packet Type Changed event	[1] 7.7.29	C.133	☑	BR/EDR Controller C.133: Mandatory IF BB 5/2 "DM3 packet type" OR BB 5/3 "DH3 packet type" OR BB 5/4 "DM5 packet type" OR BB 5/5 "DH5 packet type" OR BB 6/2 "HV2 packet type" OR BB 6/3 "HV3 packet type" OR BB 2/4 "Enhanced Data Rate ACL links", otherwise Excluded.

Table 11:

Item	Capability	Reference	Support	Status	Comment
11/1	Role Discovery command	[1] 7.2.7	O	☑	BR/EDR Controller
11/2	Switch Role command	[1] 7.2.8	C.212	☑	BR/EDR Controller C.212: Mandatory IF LMP 2/6 "Role switch", otherwise Excluded.

Table 12:

Item	Capability	Reference	Support	Status	Comment
12/1	Flow Specification command	[1] 7.2.13	M	☑	BR/EDR Controller
12/2	QoS Setup command	[1] 7.2.6	M	☑	BR/EDR Controller
12/3	Flush command	[1] 7.3.4	M	☑	BR/EDR Controller
12/4	Read Automatic Flush Timeout command	[1] 7.3.29	M	☑	BR/EDR Controller
12/5	Write Automatic Flush Timeout command	[1] 7.3.30	M	☑	BR/EDR Controller
12/6	Read Failed Contact Counter command	[1] 7.5.1	M	☑	BR/EDR Controller or AMP Controller
12/7	Reset Failed Contact Counter command	[1] 7.5.2	M	☑	BR/EDR Controller or AMP Controller
12/10	Enhanced Flush command	[1] 7.3.66	M	☑	BR/EDR Controller or AMP Controller
12/17	Sniff Subrating command	[1] 7.2.14	C.221	☑	BR/EDR Controller C.221: Mandatory IF LMP 16/7 "Sniff Subrating Mode", otherwise Excluded.
12/18	Sniff Subrating event	[1] 7.7.37	C.221	☑	BR/EDR Controller C.221: Mandatory IF LMP 16/7 "Sniff Subrating Mode", otherwise Excluded.
12/22	Flush Occurred event	[1] 7.7.17	M	☑	BR/EDR Controller or AMP Controller
12/23	Enhanced Flush Complete event	[1] 7.7.47	M	☑	BR/EDR Controller or AMP Controller
12/24	Flow Specification Complete event	[1] 7.7.32	M	☑	BR/EDR Controller
12/26	QoS Setup Complete event	[1] 7.7.13	M	☑	BR/EDR Controller



Table 13:

Item	Capability	Reference	Support	Status	Comment
13/1a	Read Link Supervision Timeout command on BR/EDR	[1] 7.3.41	C.117	☒	BR/EDR Controller C.117: Mandatory IF HCI 13/2a "Write Link Supervision Timeout command on BR/EDR", otherwise Excluded.
13/2a	Write Link Supervision Timeout command on BR/EDR	[1] 7.3.42	O	☒	BR/EDR Controller
13/3	Read AFH Channel Assessment Mode command	[1] 7.3.53	C.140	☒	BR/EDR Controller C.140: Mandatory IF LMP 26/1 "Support of AFH switch as Central" OR LMP 26/6 "Support of Channel Classification", otherwise Excluded.
13/3a	Read AFH Channel Assessment Mode command	[6] 7.3.53	C.58	☒	LE Controller, Core v5.3 or later C.58: Mandatory IF LL 9/44 "Channel Classification", otherwise Excluded.
13/4	Write AFH Channel Assessment Mode command	[1] 7.3.54	C.140	☒	BR/EDR Controller C.140: Mandatory IF LMP 26/1 "Support of AFH switch as Central" OR LMP 26/6 "Support of Channel Classification", otherwise Excluded.
13/4a	Write AFH Channel Assessment Mode command	[6] 7.3.54	C.58	☒	LE Controller, Core v5.3 or later C.58: Mandatory IF LL 9/44 "Channel Classification", otherwise Excluded.
13/5	Set AFH Host Channel Classification command	[1] 7.3.46	C.140	☒	BR/EDR Controller C.140: Mandatory IF LMP 26/1 "Support of AFH switch as Central" OR LMP 26/6 "Support of Channel Classification", otherwise Excluded.
13/6	Change Connection Packet Type command	[1] 7.1.14	C.133	☒	BR/EDR Controller C.133: Mandatory IF BB 5/2 "DM3 packet type" OR BB 5/3 "DH3 packet type" OR BB 5/4 "DM5 packet type" OR BB 5/5 "DH5 packet type" OR BB 6/2 "HV2 packet type" OR BB 6/3 "HV3 packet type" OR BB 2/4 "Enhanced Data Rate ACL links", otherwise Excluded.
13/7	Link Supervision Timeout Changed event	[1] 7.7.46	M	☒	BR/EDR Controller
13/8	LE Set Host Channel Classification command	[1] 7.8.19	C.36	☒	LE Controller C.36: Mandatory IF LL 9/44 "Channel Classification" OR LL 1/5 "Central Role", otherwise Optional IF (LL 9/41 "LE Extended Advertising" AND LL 1/1 "Advertising State") OR LL 9/33 "Isochronous Broadcaster", otherwise Excluded.
13/9	LE Read PHY command	[2] 7.8.47	C.11	☒	LE Controller, Core v5.0 or earlier C.11: Mandatory IF LL 9/6a "Multiple PHYs", otherwise Optional.
13/10	LE Set Default PHY command	[2] 7.8.48	C.11	☒	LE Controller, Core v5.0 or earlier C.11: Mandatory IF LL 9/6a "Multiple PHYs", otherwise Optional.
13/11	LE Set PHY command	[2] 7.8.49	C.11	☒	LE Controller, Core v5.0 or earlier C.11: Mandatory IF LL 9/6a "Multiple PHYs", otherwise Optional.
13/12	LE PHY Update Complete event	[2] 7.7.65,12	C.11	☒	LE Controller, Core v5.0 or earlier C.11: Mandatory IF LL 9/6a "Multiple PHYs", otherwise Optional.

Table 14:

Item	Capability	Reference	Support	Status	Comment
14/1	Host Buffer Size command	[1] 7.3.39	C.107	☒	C.107: Mandatory IF HCI 14/4 "Set Controller to Host Flow Control command", otherwise Excluded.
14/2	Set Event Mask command	[1] 7.3.1	M	☒	
14/3	Set Event Filter command	[1] 7.3.3	C.148	☒	BR/EDR Controller C.148: Optional IF HCI 7/45 "Connection Complete event" OR HCI 7/44 "Connection Request event" OR HCI 6/46 "Extended Inquiry Result event" OR HCI 6/47 "Inquiry Result with RSSI event" OR HCI 16/54 "IO Capability Request event" OR HCI 9/12 "Synchronous Connection Complete event", otherwise Excluded.
14/4	Set Controller to Host Flow Control command	[1] 7.3.38	C.96a	☒	C.96a: Optional IF HCI 1a/1 "BR/EDR Controller" OR HCI 1a/3 "AMP Controller" OR LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role", otherwise Excluded.

14/5	Host Number of Completed Packets command	[1] 7.3.40	C.107	✓	C.107: Mandatory IF HCI 14/4 "Set Controller to Host Flow Control command", otherwise Excluded.
14/8	Set Event Mask Page 2 command	[1] 7.3.69	O	✓	
14/12	Number of Completed Packets event	[1] 7.7.19	C.3a	✓	C.3a: Mandatory IF HCI 1a/1 "BR/EDR Controller" OR HCI 1a/3 "AMP Controller" OR LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role", otherwise Excluded.
14/14	LE Set Event Mask command	[1] 7.8.1	M	✓	LE Controller
14/15	Read LE Host Support command	[1] 7.3.78	C.116	✓	BR/EDR Controller C.116: Mandatory IF HCI 14/16 "Write LE Host Support command", otherwise Excluded.
14/16	Write LE Host Support command	[1] 7.3.79	C.153	✓	BR/EDR Controller C.153: Mandatory IF HCI 1a/4 "LE Controller", otherwise Optional.
14/17	LE Add Device To Periodic Advertiser List command	[2] 7.8.70	C.21	✓	LE Controller, Core v5.0 or earlier C.21: Mandatory IF LL 11/1 "Synchronizing to Periodic Advertising", otherwise Excluded.
14/18	LE Remove Device From Periodic Advertiser List command	[2] 7.8.71	C.21	✓	LE Controller, Core v5.0 or earlier C.21: Mandatory IF LL 11/1 "Synchronizing to Periodic Advertising", otherwise Excluded.
14/19	LE Clear Periodic Advertiser List command	[2] 7.8.72	C.21	✓	LE Controller, Core v5.0 or earlier C.21: Mandatory IF LL 11/1 "Synchronizing to Periodic Advertising", otherwise Excluded.
14/20	LE Read Periodic Advertiser List Size command	[2] 7.8.73	C.21	✓	LE Controller, Core v5.0 or earlier C.21: Mandatory IF LL 11/1 "Synchronizing to Periodic Advertising", otherwise Excluded.
14/23	Separate BR/EDR and LE Data Buffers	[1] 1.1	O	✓	ERROR: Unknown HCI IUT Config prereq "(HCI 1a/1 OR HCI 1a/3) AND HCI 1a/4"

Table 15:

Item	Capability	Reference	Support	Status	Comment
15/1	Read LMP Handle command	[1] 7.1.25	C.134	✓	BR/EDR Controller C.134: Mandatory IF BB 2/2 "SCO link" OR BB 2/3 "eSCO link", otherwise Excluded.
15/2a	Read Enhanced Transmit Power Level command	[1] 7.3.74	C.217	✓	BR/EDR Controller C.217: Mandatory IF LMP 2/20 "Enhanced Power Control", otherwise Excluded.
15/2b	Read Transmit Power Level command on BR/EDR	[1] 7.3.35	C.152	✓	BR/EDR Controller C.152: Mandatory IF LMP 2/10 "Power Control", otherwise Optional.
15/2c	Read Transmit Power Level command on LE	[1] 7.3.35	C.3	✓	LE Controller C.3: Mandatory IF LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role", otherwise Excluded.
15/4c	Read RSSI command on LE	[1] 7.5.4	C.3	✓	LE Controller C.3: Mandatory IF LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role", otherwise Excluded.
15/5	Read Clock Offset command	[1] 7.1.24	O	✓	BR/EDR Controller
15/6	Read Clock command	[1] 7.5.6	O	✓	BR/EDR Controller
15/7	Read AFH Channel Map command	[1] 7.5.5	C.139	✓	BR/EDR Controller C.139: Mandatory IF LMP 26/1 "Support of AFH switch as Central" OR LMP 26/2 "Support of AFH switch as Peripheral", otherwise Excluded.
15/8	LE Read Channel Map command	[1] 7.8.20	C.3	✓	LE Controller C.3: Mandatory IF LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role", otherwise Excluded.
15/10	Read Clock Offset Complete event	[1] 7.7.28	C.104	✓	BR/EDR Controller C.104: Mandatory IF HCI 15/5 "Read Clock Offset command", otherwise Excluded.

Table 16:

Item	Capability	Reference	Support	Status	Comment
16/1	Read Authentication Enable command	[1] 7.3.23	C.111	✓	BR/EDR Controller C.111: Mandatory IF HCI 16/2 "Write Authentication Enable command", otherwise Excluded.

16/2	Write Authentication Enable command	[1] 7.3.24	O	☑	BR/EDR Controller
16/5	Link Key Request Reply command	[1] 7.1.10	M	☑	BR/EDR Controller
16/6	Link Key Request Negative Reply command	[1] 7.1.11	M	☑	BR/EDR Controller
16/7	PIN Code Request Reply command	[1] 7.1.12	M	☑	BR/EDR Controller
16/8	PIN Code Request Negative Reply command	[1] 7.1.13	M	☑	BR/EDR Controller
16/9	Authentication Requested command	[1] 7.1.15	O	☑	BR/EDR Controller
16/10	Set Connection Encryption command	[1] 7.1.16	M	☑	BR/EDR Controller
16/11	Change Connection Link Key command	[1] 7.1.17	O	☑	BR/EDR Controller
16/12	Link Key Selection command	[1] 7.1.18	C.215	☑	BR/EDR Controller C.215: Mandatory IF LMP 2/14 "Broadcast encryption", otherwise Excluded.
16/13	Read PIN Type command	[1] 7.3.5	C.120	☑	BR/EDR Controller C.120: Mandatory IF HCI 16/14 "Write PIN Type command", otherwise Excluded.
16/14	Write PIN Type command	[1] 7.3.6	O	☑	BR/EDR Controller
16/15	Read Stored Link Key command	[1] 7.3.8	C.121	☑	BR/EDR Controller C.121: Mandatory IF HCI 16/16 "Write Stored Link Key command", otherwise Excluded.
16/16	Write Stored Link Key command	[1] 7.3.9	O	☑	BR/EDR Controller
16/17	Delete Stored Link Key command	[1] 7.3.10	C.121	☑	BR/EDR Controller C.121: Mandatory IF HCI 16/16 "Write Stored Link Key command", otherwise Excluded.
16/19	User Confirmation Request Reply command	[1] 7.1.30	M	☑	BR/EDR Controller
16/20	User Confirmation Request Negative Reply command	[1] 7.1.31	M	☑	BR/EDR Controller
16/21	User Passkey Request Reply command	[1] 7.1.32	M	☑	BR/EDR Controller
16/22	User Passkey Request Negative Reply command	[1] 7.1.33	M	☑	BR/EDR Controller
16/23	IO Capability Request Reply command	[1] 7.1.29	M	☑	BR/EDR Controller
16/23a	IO Capability Request Negative Reply command	[1] 7.1.36	M	☑	BR/EDR Controller
16/24a	Remote OOB Data Request Reply command	[1] 7.1.34	M	☑	BR/EDR Controller
16/25	Remote OOB Data Request Negative Reply command	[1] 7.1.35	M	☑	BR/EDR Controller
16/26	Read Local OOB Data command	[1] 7.3.60	M	☑	BR/EDR Controller
16/27	Write Simple Pairing Mode command	[1] 7.3.59	M	☑	BR/EDR Controller
16/28	Read Simple Pairing Mode command	[1] 7.3.58	M	☑	BR/EDR Controller
16/29	Refresh Encryption Key command	[1] 7.3.57	M	☑	BR/EDR Controller
16/30	Read Encryption Key Size command	[1] 7.5.7	M	☑	BR/EDR Controller
16/31	Send Keypress Notification command	[1] 7.3.63	M	☑	BR/EDR Controller
16/32	LE Encrypt command	[1] 7.8.22	C.4	☑	LE Controller C.4: Mandatory IF LL 9/1 "LE Encryption", otherwise Excluded.
16/33	LE Rand command	[1] 7.8.23	C.4	☑	LE Controller C.4: Mandatory IF LL 9/1 "LE Encryption", otherwise Excluded.
16/34	LE Long Term Key Request Reply command	[1] 7.8.25	C.61	☑	LE Controller C.61: Mandatory IF LL 1/4 "Peripheral Role" AND LL 9/1 "LE Encryption", otherwise Excluded.

16/35	LE Enable Encryption command	[1] 7.8.24	C.60	☑	LE Controller C.60: Mandatory IF LL 1/5 "Central Role" AND LL 9/1 "LE Encryption", otherwise Excluded.
16/36	LE Long Term Key Request event	[1] 7.7.65.5	C.61	☑	LE Controller C.61: Mandatory IF LL 1/4 "Peripheral Role" AND LL 9/1 "LE Encryption", otherwise Excluded.
16/37a	Encryption Change event [v1] on BR/EDR	[1] 7.7.8	M	☑	BR/EDR Controller
16/37b	Encryption Change event [v1] on LE	[1] 7.7.8	C.4	☑	LE Controller C.4: Mandatory IF LL 9/1 "LE Encryption", otherwise Excluded.
16/38a	Encryption Key Refresh Complete event on BR/EDR	[1] 7.7.39	M	☑	BR/EDR Controller
16/38b	Encryption Key Refresh Complete event on LE	[1] 7.7.39	C.4	☑	LE Controller C.4: Mandatory IF LL 9/1 "LE Encryption", otherwise Excluded.
16/39	LE Long Term Key Request Negative Reply command	[1] 7.8.26	C.61	☑	LE Controller C.61: Mandatory IF LL 1/4 "Peripheral Role" AND LL 9/1 "LE Encryption", otherwise Excluded.
16/40	Link Key Notification event	[1] 7.7.24	M	☑	BR/EDR Controller
16/41	Read Secure Connections Host Support command	[1] 7.3.91	C.218	☑	BR/EDR Controller C.218: Mandatory IF LMP 2/26 "Secure Connections (Controller Support)", otherwise Excluded.
16/42	Write Secure Connections Host Support command	[1] 7.3.92	C.218	☑	BR/EDR Controller C.218: Mandatory IF LMP 2/26 "Secure Connections (Controller Support)", otherwise Excluded.
16/43	Remote OOB Extended Data Request Reply command	[1] 7.1.53	C.142	☑	BR/EDR Controller C.142: Mandatory IF LMP 2/26 "Secure Connections (Controller Support)" OR LMP 2/19b "Secure Simple Pairing (Controller Support)", otherwise Excluded.
16/44	Read Local OOB Extended Data command	[1] 7.3.95	C.142	☑	BR/EDR Controller C.142: Mandatory IF LMP 2/26 "Secure Connections (Controller Support)" OR LMP 2/19b "Secure Simple Pairing (Controller Support)", otherwise Excluded.
16/45	Write Secure Connections Test Mode command	[1] 7.6.8	C.138	☑	BR/EDR Controller C.138: Mandatory IF LMP 2/26 "Secure Connections (Controller Support)", otherwise Optional IF BB 2/3 "eSCO link", otherwise Excluded.
16/46a	Authenticated Payload Timeout Expired event on BR/EDR	[1] 7.7.75	C.155a	☑	BR/EDR Controller C.155a: Mandatory IF HCI 16/48a "Write Authenticated Payload Timeout command on BR/EDR", otherwise Optional.
16/46b	Authenticated Payload Timeout Expired event on LE	[1] 7.7.75	C.155b	☑	LE Controller C.155b: Mandatory IF HCI 16/48b "Write Authenticated Payload Timeout command on LE", otherwise Optional.
16/47a	Read Authenticated Payload Timeout command on BR/EDR	[1] 7.3.93	C.155a	☑	BR/EDR Controller C.155a: Mandatory IF HCI 16/48a "Write Authenticated Payload Timeout command on BR/EDR", otherwise Optional.
16/47b	Read Authenticated Payload Timeout command on LE	[1] 7.3.93	C.155b	☑	LE Controller C.155b: Mandatory IF HCI 16/48b "Write Authenticated Payload Timeout command on LE", otherwise Optional.
16/48a	Write Authenticated Payload Timeout command on BR/EDR	[1] 7.3.94	C.151	☑	BR/EDR Controller C.151: Mandatory IF LMP 2/26 "Secure Connections (Controller Support)" AND LMP 2/27 "Ping", otherwise Excluded.
16/48b	Write Authenticated Payload Timeout command on LE	[1] 7.3.94	C.7	☑	LE Controller C.7: Mandatory IF LL 9/1 "LE Encryption" AND LL 9/2 "LE Ping", otherwise Excluded.
16/50	LE Read Local P-256 Public Key command	[1] 7.8.36	O	☑	LE Controller
16/51	LE Generate DHKey command [v1]	[1] 7.8.37	C.99	☑	LE Controller C.99: Mandatory IF HCI 16/51a "LE Generate DHKey command [v2]", otherwise Optional.
16/51a	LE Generate DHKey command [v2]	[3] 7.8.37	O	☑	LE Controller, Core v5.1 or later
16/52	LE Read Local P-256 Public Key Complete event	[1] 7.7.65.8	O	☑	LE Controller
16/53	LE Generate DHKey Complete event	[1] 7.7.65.9	O	☑	LE Controller
16/54	IO Capability Request event	[1] 7.7.40	M	☑	BR/EDR Controller
16/55	IO Capability Response event	[1] 7.7.41	M	☑	BR/EDR Controller
16/56	Link Key Request event	[1] 7.7.23	M	☑	BR/EDR Controller
16/57	Return Link Keys event	[1] 7.7.21	C.121	☑	BR/EDR Controller C.121: Mandatory IF HCI 16/16 "Write Stored Link Key command", otherwise Excluded.
16/58	Change Connection Link Key Complete event	[1] 7.7.9	C.102	☑	BR/EDR Controller C.102: Mandatory IF HCI 16/11 "Change Connection Link Key command", otherwise Excluded.
16/59	Link Key Type Changed event	[1] 7.7.10	C.215	☑	BR/EDR Controller C.215: Mandatory IF LMP 2/14 "Broadcast encryption", otherwise Excluded.

16/60	Keypress Notification event	[1] 7.7.49	M	✓	BR/EDR Controller
16/61	PIN Code Request event	[1] 7.7.22	M	✓	BR/EDR Controller
16/62	Remote OOB Data Request event	[1] 7.7.44	M	✓	BR/EDR Controller
16/63	User Passkey Request event	[1] 7.7.43	M	✓	BR/EDR Controller
16/64	User Passkey Notification event	[1] 7.7.48	M	✓	BR/EDR Controller
16/65	User Confirmation Request event	[1] 7.7.42	M	✓	BR/EDR Controller
16/66	Authentication Complete event	[1] 7.7.6	C.101	✓	BR/EDR Controller C.101: Mandatory IF HCI 16/9 "Authentication Requested command", otherwise Excluded.
16/67	Simple Pairing Complete event	[1] 7.7.45	M	✓	BR/EDR Controller

Table 17:

Item	Capability	Reference	Support	Status	Comment
17/1	Read Loopback Mode command	[1] 7.6.1	C.123	✓	BR/EDR Controller C.123: Mandatory IF LMP 25/1 "Activate test mode", otherwise Excluded.
17/2	Write Loopback Mode command	[1] 7.6.2	C.123	✓	BR/EDR Controller C.123: Mandatory IF LMP 25/1 "Activate test mode", otherwise Excluded.
17/3a	Enable Device Under Test Mode command on BR/EDR	[1] 7.6.3	C.123	✓	BR/EDR Controller C.123: Mandatory IF LMP 25/1 "Activate test mode", otherwise Excluded.
17/4	Write Simple Pairing Debug Mode command	[1] 7.6.4	M	✓	BR/EDR Controller
17/7	LE Receiver Test command [v1]	[1] 7.8.28	C.2	✓	LE Controller C.2: Mandatory IF RFPHY 1/2 "LE Receiver" OR RFPHY 1/3 "LE Transceiver", otherwise Excluded.
17/8	LE Transmitter Test command [v1]	[1] 7.8.29	C.1	✓	LE Controller C.1: Mandatory IF RFPHY 1/1 "LE Transmitter" OR RFPHY 1/3 "LE Transceiver", otherwise Excluded.
17/9	LE Test End command	[1] 7.8.30	M	✓	LE Controller
17/10	LE Receiver Test command [v2]	[2] 7.8.28	C.13	✓	LE Controller, Core v5.0 or earlier C.13: Mandatory IF LL 9/6a "Multiple PHYs" OR RFPHY 1/6 "Stable Modulation Index - Receiver", otherwise Optional IF RFPHY 1/2 "LE Receiver" OR RFPHY 1/3 "LE Transceiver", otherwise Excluded.
17/11	LE Transmitter Test command [v2]	[2] 7.8.29	C.12	✓	LE Controller, Core v5.0 or earlier C.12: Mandatory IF LL 9/6a "Multiple PHYs" OR RFPHY 1/5 "Stable Modulation Index - Transmitter", otherwise Optional IF RFPHY 1/1 "LE Transmitter" OR RFPHY 1/3 "LE Transceiver", otherwise Excluded.
17/12	LE Receiver Test command [v3]	[3] 7.8.28	C.30	✓	LE Controller, Core v5.1 or later C.30: Mandatory IF LL 9/14 "Connection CTE Request" OR LL 9/17 "Connectionless CTE Receiver", otherwise Optional IF RFPHY 1/2 "LE Receiver" OR RFPHY 1/3 "LE Transceiver", otherwise Excluded.
17/13	LE Transmitter Test command [v3]	[3] 7.8.29	C.29	✓	LE Controller, Core v5.1 or later C.29: Mandatory IF LL 9/15 "Connection CTE Response" OR LL 9/16 "Connectionless CTE Transmitter", otherwise Optional IF RFPHY 1/1 "LE Transmitter" OR RFPHY 1/3 "LE Transceiver", otherwise Excluded.
17/14	LE ISO Transmit Test command	[5] 7.8.111	C.45	✓	LE Controller, Core v5.2 or later C.45: Mandatory IF LL 9/31 "Connected Isochronous Stream - Central" OR LL 9/32 "Connected Isochronous Stream - Peripheral" OR LL 9/33 "Isochronous Broadcaster", otherwise Excluded.
17/15	LE ISO Receive Test command	[5] 7.8.112	C.46	✓	LE Controller, Core v5.2 or later C.46: Mandatory IF LL 9/31 "Connected Isochronous Stream - Central" OR LL 9/32 "Connected Isochronous Stream - Peripheral" OR LL 9/34 "Synchronized Receiver", otherwise Excluded.
17/16	LE ISO Read Test Counters command	[5] 7.8.113	C.46	✓	LE Controller, Core v5.2 or later C.46: Mandatory IF LL 9/31 "Connected Isochronous Stream - Central" OR LL 9/32 "Connected Isochronous Stream - Peripheral" OR LL 9/34 "Synchronized Receiver", otherwise Excluded.
17/17	LE ISO Test End command	[5] 7.8.114	C.47	✓	LE Controller, Core v5.2 or later C.47: Mandatory IF LL 9/31 "Connected Isochronous Stream - Central" OR LL 9/32 "Connected Isochronous Stream - Peripheral" OR LL 9/33 "Isochronous Broadcaster" OR LL 9/34 "Synchronized Receiver", otherwise Excluded.
17/18	LE Transmitter Test command [v4]	[5] 7.8.29	C.53	✓	LE Controller, Core v5.2 or later C.53: Mandatory IF LL 9/37 "LE Power Control Request", otherwise Optional IF RFPHY 1/1 "LE Transmitter" OR RFPHY 1/3 "LE Transceiver", otherwise Excluded.
17/22	Loopback command event	[1] 7.7.25	C.123	✓	BR/EDR Controller C.123: Mandatory IF LMP 25/1 "Activate test mode", otherwise Excluded.

Table 18:

Item	Capability	Reference	Support	Status	Comment
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Table 20:

Item	Capability	Reference	Support	Status	Comment
20/1	LE Create BIG command	[5] 7.8.103	C.41	☑	LE Controller, Core v5.2 or later C.41: Mandatory IF LL 9/33 "Isochronous Broadcaster", otherwise Excluded.
20/2	LE Create BIG Test command	[5] 7.8.104	C.41	☑	LE Controller, Core v5.2 or later C.41: Mandatory IF LL 9/33 "Isochronous Broadcaster", otherwise Excluded.
20/3	LE Create BIG Complete event	[5] 7.7.65.27	C.41	☑	LE Controller, Core v5.2 or later C.41: Mandatory IF LL 9/33 "Isochronous Broadcaster", otherwise Excluded.
20/4	Isochronous data over HCI	[5] 5.4.5	O	☑	LE Controller, Core v5.2 or later
20/5	LE Set Host Feature command	[5] 7.8.115	C.49	☑	LE Controller, Core v5.2 or later C.49: Mandatory IF LL 9/31 "Connected Isochronous Stream - Central" OR LL 9/32 "Connected Isochronous Stream - Peripheral" OR LL 9/45 "Connection Subrating" OR LL 9/48 "Advertising Coding Selection" OR LL 9/56 "Channel Sounding", otherwise Optional.

Table 21:

Item	Capability	Reference	Support	Status	Comment
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Isochronous Adaptation Layer

Table 1: Supported Features

Item	Capability	Reference	Support	Status	Comment
1/1	Segmentable Framed Data Traffic	[1] 2.2	M	☑	
1/2	Unframed Data Traffic	[1] 2.1	M	☑	
1/3	Connected Isochronous Stream Adaptation	[1] 2	C.1	☑	C.1: Mandatory IF LL 9/31 "Connected Isochronous Stream - Central" OR LL 9/32 "Connected Isochronous Stream - Peripheral", otherwise Excluded.
1/4	Broadcast Isochronous Stream Adaptation	[1] 2	C.2	☑	C.2: Mandatory IF LL 9/33 "Isochronous Broadcaster", otherwise Excluded.
1/5	Synchronized Receiver Adaptation	[1] 2	C.3	☑	C.3: Mandatory IF LL 9/34 "Synchronized Receiver", otherwise Excluded.

LE Security

Table 1: LE Security

Item	Capability	Reference	Support	Status	Comment
1/1	Counter with Cipher Block Chaining-Message Authentication Code (CCM) Mode	[1] 2	O	☑	
1/2	Group Session Key Derivation h8	[1] 1.1	O	☑	

Table 2: LL Requirements

Item	Capability	Reference	Support	Status	Comment
2/1	LE Encryption	[1] 2	C.1	☑	C.1: Mandatory IF LESEC 1/1 "Counter with Cipher Block Chaining-Message Authentication Code (CCM) Mode" OR LESEC 1/2 "Group Session Key Derivation h8", otherwise not defined.

2/2	Receiving Encrypted Broadcast Isochronous Stream	[1] 1.1	C.2	✓	C.2: Mandatory to support at least one IF LESEC 1/2 "Group Session Key Derivation h8", otherwise not defined.
2/3	Transmitting Encrypted Broadcast Isochronous Stream	[1] 1.1	C.2	✓	C.2: Mandatory to support at least one IF LESEC 1/2 "Group Session Key Derivation h8", otherwise not defined.

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.
1/2	Scanning State	[1] 4.4.3	C.1	✓	C.1: Mandatory to support at least one.
1/3	Initiating State	[1] 4.4.4	C.1	✓	C.1: Mandatory to support at least one.
1/3a	Synchronized State	[6] 4.4.5	C.4	✓	C.4: Mandatory IF CORE 1a/51 "Controller Core v5.1 or later" AND (LL 9/27 "Periodic Advertising Sync Transfer - Recipient" OR LL 4/8 "Scanning for Periodic Advertising" OR LL 9/34 "Synchronized Receiver"), otherwise Excluded.
1/4	Peripheral Role	[1] 4.5.5	C.3	✓	C.3: Optional IF LL 1/1 "Advertising State", otherwise Excluded.
1/5	Central Role	[1] 4.5.4	C.2	✓	C.2: Mandatory IF LL 1/3 "Initiating State", otherwise Excluded.
1/6	Isochronous Broadcasting State	[7] 4.4.6	C.5	✓	C.5: Mandatory IF LL 9/33 "Isochronous Broadcaster", otherwise Excluded.

Table 2: Device Address Types

Item	Capability	Reference	Support	Status	Comment
2/1	Public Address	[1] 1.3	C.1	✓	C.1: Mandatory to support at least one.
2/2	Random Address	[1] 1.3	C.1	✓	C.1: Mandatory to support at least one.
2/3	Static Address	[3] 1.3.2.1	C.3	✓	C.3: Mandatory to support at least one IF LL 2/2 "Random Address", otherwise Excluded.
2/4	Generation of private addresses	[3] 1.3.2.2	C.3	✓	C.3: Mandatory to support at least one IF LL 2/2 "Random Address", otherwise Excluded.
2/5	Resolution of private addresses	[3] 1.3.2.3	C.2	✓	C.2: Mandatory IF LL 2/4 "Generation of private addresses", otherwise Excluded.
2/6	Network Privacy Mode: Ignore Identity Address when IRK is present in resolving list	[3] 4.7	C.4	✓	C.4: Mandatory IF LL 9/13 "LL Privacy", otherwise Excluded.
2/7	Device Privacy Mode	[3] 4.7	C.5	✓	C.5: Mandatory IF CORE 1a/50 "Controller Core v5.0 or later" AND LL 9/13 "LL Privacy", otherwise Optional IF LL 9/13 "LL Privacy", otherwise Excluded.

Table 3: Protocol Advertising Features

Prerequisite: LL 1/1 "Advertising State"

Item	Capability	Reference	Support	Status	Comment
3/1	Non-connectable and non-scannable undirected events	[1] 4.4.2.6, [12] 4.4.2.13	C.1	✓	C.1: Mandatory IF LL 3/10 "Periodic Advertising" OR NOT LL 1/4 "Peripheral Role", otherwise Optional.
3/1a	Non-connectable and non-scannable directed events	[6] 4.4.2.9, [12] 4.4.2.13	C.16	✓	C.16: Mandatory IF LL 3/1 "Non-connectable and non-scannable undirected events" AND LL 3/9 "Extended Advertising", otherwise Excluded.
3/2	Connectable and scannable undirected events	[1] 4.4.2.3, [12] 4.4.2.13	C.3	✓	C.3: Mandatory IF LL 1/4 "Peripheral Role", otherwise Excluded.
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, [12] 4.4.2.13	C.3	✓	C.3: Mandatory IF LL 1/4 "Peripheral Role", otherwise Excluded.
3/4a	Low Duty Cycle Direct Advertising	[1] 4.4.2.4	O	✓	

3/4b	Connectable undirected events	[6] 4.4.2.7, [12] 4.4.2.13	C.17	☑	C.17: Mandatory IF LL 3/4 "Connectable directed events" AND LL 3/9 "Extended Advertising", otherwise Excluded.
3/5	Scannable undirected events	[1] 4.4.2.5, [12] 4.4.2.13	O	☑	
3/5a	Scannable directed events	[6] 4.4.2.8, [12] 4.4.2.13	C.18	☑	C.18: Mandatory IF LL 3/5 "Scannable undirected events" AND LL 3/9 "Extended Advertising", otherwise Excluded.
3/6	Sending scan responses	[1] 4.4.2.3, 4.4.2.5	C.2	☑	C.2: Mandatory IF LL 1/4 "Peripheral Role", otherwise Optional.
3/7	Accepting connection requests	[1] 4.4.2.3, 4.4.2.4	C.3	☑	C.3: Mandatory IF LL 1/4 "Peripheral Role", otherwise Excluded.
3/8	Filtering policies	[1] 4.3.2	O	☑	
3/9	Extended Advertising	[4] 4.6.12	C.6	☑	C.6: Mandatory IF LL 9/41 "LE Extended Advertising", otherwise Excluded.
3/10	Periodic Advertising	[4] 4.4.2.12	C.12	☑	C.12: Mandatory IF LL 9/42 "LE Periodic Advertising", otherwise Excluded.
3/11	Multiple Advertising Sets	[4] 4.4.2.10	C.7	☑	C.7: Optional IF LL 3/9 "Extended Advertising", otherwise Excluded.
3/12	Sending Tx Power in advertisements	[4] 2.3.4.7	C.7	☑	C.7: Optional IF LL 3/9 "Extended Advertising", otherwise Excluded.
3/12a	Sending Channel Map Update Indication in ACAD	[9] 1.20	C.11	☑	C.11: Optional IF LL 3/10 "Periodic Advertising", otherwise Excluded.

Table 4: Protocol Scanning Features

Prerequisite: LL 1/2 "Scanning State"

Item	Capability	Reference	Support	Status	Comment
4/1	Passive Scanning	[1] 4.4.3.1	C.1	☑	C.1: Mandatory to support at least one.
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.1	☑	C.1: Mandatory to support at least one.
4/4	Backoff Procedure	[1] 4.4.3.2	C.2	☑	C.2: Mandatory IF LL 4/3 "Active Scanning", otherwise Excluded.
4/5	Filtering Policies	[1] 4.3.3	M	☑	
4/6	Extended Scanner filter policies	[3] 4.4.3	O	☑	
4/6a	Periodic Sync Establishment Filtering Policies	[4] 4.6.13	C.6	☑	C.6: Mandatory IF LL 4/8 "Scanning for Periodic Advertising", otherwise Excluded.
4/7	Extended Scanning	[4] 4.6.12	C.4	☑	C.4: Mandatory IF LL 9/41 "LE Extended Advertising", otherwise Excluded.
4/8	Scanning for Periodic Advertising	[4] 4.4.3.4	C.5	☑	C.5: Mandatory IF LL 9/42 "LE Periodic Advertising", otherwise Excluded.

Table 4a: Protocol Scanning Events

Prerequisite: LL 1/2 "Scanning State"

Item	Capability	Reference	Support	Status	Comment
4a/1	Non-connectable and non-scannable undirected events	[1] 4.4.2.6, [12] 4.4.3.7	C.1	☑	C.1: Mandatory IF LL 4/8 "Scanning for Periodic Advertising" OR NOT (LL 1/5 "Central Role" OR LL 4/3 "Active Scanning"), otherwise Optional.
4a/2	Non-connectable and non-scannable directed events	[6] 4.4.2.9, [12] 4.4.3.7	C.2	☑	C.2: Mandatory IF LL 4/7 "Extended Scanning" AND LL 4a/1 "Non-connectable and non-scannable undirected events", otherwise Excluded.
4a/3	Scannable undirected events	[1] 4.4.2.5, [12] 4.4.3.7	C.3	☑	C.3: Mandatory IF LL 4/3 "Active Scanning", otherwise Optional.
4a/4	Scannable directed events	[6] 4.4.2.8, [12] 4.4.3.7	C.4	☑	C.4: Mandatory IF LL 4/7 "Extended Scanning" AND LL 4a/3 "Scannable undirected events", otherwise Excluded.
4a/5	Connectable directed events	[1] 4.4.2.4, [12] 4.4.3.7	C.5	☑	C.5: Mandatory IF LL 1/5 "Central Role", otherwise Optional.
4a/6	Connectable undirected events	[6] 4.4.2.7, [12] 4.4.3.7	C.6	☑	C.6: Mandatory IF LL 4/7 "Extended Scanning" AND LL 4a/5 "Connectable directed events", otherwise Excluded.
4a/7	Connectable and scannable undirected events	[1] 4.4.2.3, [12] 4.4.3.7	C.7	☑	C.7: Mandatory IF LL 1/5 "Central Role" OR LL 4/3 "Active Scanning", otherwise Optional.

Table 5: Protocol Initiating Features

Prerequisite: LL 1/3 "Initiating State"

Item	Capability	Reference	Support	Status	Comment
5/1	Requesting Connections	[1] 4.4.4	M	✓	
5/2	Requesting to Directed Advertising	[1] 4.4.4	M	✓	
5/3	Initiator Filtering	[1] 4.3.4	M	✓	
5/4	Requesting connections using extended advertising	[4] 4.6.12	C.1	✓	C.1: Mandatory IF LL 9/41 "LE Extended Advertising", otherwise Excluded.

Table 6: Protocol Peripheral Role Features

Prerequisite: LL 1/4 "Peripheral Role"

Item	Capability	Reference	Support	Status	Comment
6/1	Peripheral Transmissions	[1] 4.5.1, 4.5.5, 4.5.6	M	✓	
6/2	Acknowledgement Scheme	[1] 4.5.9	M	✓	
6/3	Unknown Response	[1] 5.1.4, 2.4.2	M	✓	
6/4	Responding in Feature Setup	[1] 5.1.4.1	M	✓	
6/4a	Requesting Feature Setup	[1] 5.1.4.2	C.18	✓	C.18: Mandatory IF LL 9/5 "Peripheral-initiated Features Exchange" OR LL 9/55 "LL Extended Feature Set", otherwise Excluded.
6/5	Sending Data (Device supports data output from a Host)	[1] 4.5.1, 4.5.6	M	✓	
6/6	Receiving Data (Device supports data input to a Host)	[1] 4.5.1, 4.5.6	M	✓	
6/7	More Data	[1] 4.5.6	O	✓	
6/10	Accepting Parameter Update	[1] 5.1.1	M	✓	
6/10a	Initiating Connection Parameter Request	[1] 5.1	C.2	✓	C.2: Mandatory IF LL 9/3 "Connection Parameters Request procedure", otherwise Excluded.
6/10b	Accepting Connection Parameter Request	[1] 5.1	C.2	✓	C.2: Mandatory IF LL 9/3 "Connection Parameters Request procedure", otherwise Excluded.
6/11	Accepting Channel Map Update	[1] 5.1.2	M	✓	
6/12	Encryption Start	[1] 5.1.3	C.17	✓	C.17: Mandatory IF LL 9/1 "LE Encryption", otherwise Excluded.
6/13	Connection Control Timer	[1] 5.2	M	✓	
6/14	Sending Termination	[1] 5.1.6	M	✓	
6/15	Accepting Termination	[1] 5.1.6	M	✓	
6/16	Connection Supervision Timer	[1] 4.5.2	M	✓	
6/18	Peripheral Pause Encryption	[1] 5.1.3	C.17	✓	C.17: Mandatory IF LL 9/1 "LE Encryption", otherwise Excluded.
6/19	Peripheral Version Exchange	[1] 5.1.5	M	✓	
6/20	Peripheral listens to multiple packets per connection event	[1] 4.5.7	O	✓	
6/21	LE Authenticated Payload Timeout	[2] 5.4	C.5	✓	C.5: Mandatory IF LL 9/2 "LE Ping", otherwise Excluded.
6/22	Data Length Update Procedure	[3] 5.1.9	C.4	✓	C.4: Mandatory IF LL 9/6 "LE Data Packet Length Extension", otherwise Excluded.
6/23	Minimum Number Of Used Channels Procedure	[4] 4.6.15	C.6	✓	C.6: Mandatory IF LL 9/12 "Minimum Number of Used Channels procedure", otherwise Excluded.
6/23a	PHY Update procedure	[4] 5.1.10	C.9	✓	C.9: Mandatory IF CORE 1a/50 "Controller Core v5.0 or later" AND LL 9/6a "Multiple PHYs", otherwise Optional IF CORE 1a/50 "Controller Core v5.0 or later", otherwise Excluded.
6/26	Initiating Periodic Advertising Sync Transfer Procedure for Local Periodic Advertising	[6] 5.1.13	C.10	✓	C.10: Mandatory IF LL 9/28 "Initiating Periodic Advertising Sync Transfer for Local Periodic Advertising", otherwise Excluded.
6/27	Initiating Periodic Advertising Sync Transfer Procedure for Remote Periodic Advertising	[6] 5.1.13	C.11	✓	C.11: Mandatory IF LL 9/29 "Initiating Periodic Advertising Sync Transfer for Remote Periodic Advertising", otherwise Excluded.

6/28	Accepting Periodic Advertising Sync Transfer Procedure	[6] 5.1.13	C.12	✓	C.12: Mandatory IF LL 9/27 "Periodic Advertising Sync Transfer - Recipient", otherwise Excluded.
6/29	Sending Long Control PDUs	[6] 4.5.11	C.13	✓	C.13: Mandatory IF LL 6/26 "Initiating Periodic Advertising Sync Transfer Procedure for Local Periodic Advertising" OR LL 6/27 "Initiating Periodic Advertising Sync Transfer Procedure for Remote Periodic Advertising", otherwise Excluded.
6/30	Receiving Long Control PDUs	[6] 4.5.11	C.14	✓	C.14: Mandatory IF LL 6/28 "Accepting Periodic Advertising Sync Transfer Procedure" OR LL 9/32 "Connected Isochronous Stream - Peripheral", otherwise Excluded.
6/31	Can Change Sleep Clock Accuracy	[6] 4.6.25	C.15	✓	C.15: Mandatory IF LL 9/40 "Can Change Sleep Clock Accuracy", otherwise Excluded.
6/32	Bi-Directional Data in Single Connected Isochronous Stream	[7] 4.5.14	C.16	✓	C.16: Mandatory IF LL 9/32 "Connected Isochronous Stream - Peripheral", otherwise Excluded.
6/33	Bi-Directional Data in Multiple Connected Isochronous Streams	[7] 4.5.14	C.20	✓	C.20: Optional IF LL 9/32 "Connected Isochronous Stream - Peripheral", otherwise Excluded.
6/34	Channel Classification Reporting	[1] 4.5.8.1	C.19	✓	C.19: Mandatory IF LL 9/44 "Channel Classification", otherwise Excluded.

Table 7: Protocol Central Role Features

Prerequisite: LL 1/5 "Central Role"

Item	Capability	Reference	Support	Status	Comment
7/1	Central Transmissions	[1] 4.5.1, 4.5.4, 4.5.6	M	✓	
7/2	Acknowledgement Scheme	[1] 4.5.9	M	✓	
7/3	Unknown Responses	[1] 5.1.4, 2.4.2	M	✓	
7/4	Requesting Feature Setup	[1] 5.1.4.1	M	✓	
7/4a	Responding in Feature Setup	[1] 5.1.4.2	C.18	✓	C.18: Mandatory IF LL 9/5 "Peripheral-initiated Features Exchange" OR LL 9/55 "LL Extended Feature Set", otherwise Excluded.
7/5	Sending Data (Device supports data output from a Host)	[1] 4.5.1, 4.5.6	M	✓	
7/6	Receiving Data (Device supports data input to a Host)	[1] 4.5.1, 4.5.6	M	✓	
7/7	More Data	[1] 4.5.6	O	✓	
7/10	Requesting Parameter Update	[1] 5.1.1	M	✓	
7/10a	Initiating Connection Parameter Request	[1] 5.1	C.2	✓	C.2: Mandatory IF LL 9/3 "Connection Parameters Request procedure", otherwise Excluded.
7/10b	Accepting Connection Parameter Request	[1] 5.1	C.2	✓	C.2: Mandatory IF LL 9/3 "Connection Parameters Request procedure", otherwise Excluded.
7/11	Requesting Channel Map Update	[1] 5.1.2	M	✓	
7/12	Encryption Start	[1] 5.1.3	C.17	✓	C.17: Mandatory IF LL 9/1 "LE Encryption", otherwise Excluded.
7/13	Connection Control Timer	[1] 5.2	M	✓	
7/14	Sending Termination	[1] 5.1.6	M	✓	
7/15	Accepting Termination	[1] 5.1.6	M	✓	
7/16	Connection Supervision Timer	[1] 4.5.2	M	✓	
7/19	Central Pause Encryption	[1] 5.1.3	C.17	✓	C.17: Mandatory IF LL 9/1 "LE Encryption", otherwise Excluded.
7/20	Central Version Exchange	[1] 5.1.5	M	✓	
7/21	LE Authenticated Payload Timeout	[2] 5.4	C.5	✓	C.5: Mandatory IF LL 9/2 "LE Ping", otherwise Excluded.
7/22	Data Length Update Procedure	[3] 5.1.9	C.4	✓	C.4: Mandatory IF LL 9/6 "LE Data Packet Length Extension", otherwise Excluded.
7/23	Minimum Number Of Used Channels Procedure	[4] 4.6.15	C.6	✓	C.6: Mandatory IF LL 9/12 "Minimum Number of Used Channels procedure", otherwise Excluded.

7/23a	PHY Update procedure	[4] 5.1.10	C.9	☑	C.9: Mandatory IF CORE 1a/50 "Controller Core v5.0 or later" AND LL 9/6a "Multiple PHYs", otherwise Optional IF CORE 1a/50 "Controller Core v5.0 or later", otherwise Excluded.
7/26	Initiating Periodic Advertising Sync Transfer Procedure for Local Periodic Advertising	[6] 5.1.13	C.10	☑	C.10: Mandatory IF LL 9/28 "Initiating Periodic Advertising Sync Transfer for Local Periodic Advertising", otherwise Excluded.
7/27	Initiating Periodic Advertising Sync Transfer Procedure for Remote Periodic Advertising	[6] 5.1.13	C.11	☑	C.11: Mandatory IF LL 9/29 "Initiating Periodic Advertising Sync Transfer for Remote Periodic Advertising", otherwise Excluded.
7/28	Accepting Periodic Advertising Sync Transfer Procedure	[6] 5.1.13	C.12	☑	C.12: Mandatory IF LL 9/27 "Periodic Advertising Sync Transfer - Recipient", otherwise Excluded.
7/29	Sending Long Control PDUs	[6] 4.5.11	C.13	☑	C.13: Mandatory IF (LL 7/26 "Initiating Periodic Advertising Sync Transfer Procedure for Local Periodic Advertising" OR LL 7/27 "Initiating Periodic Advertising Sync Transfer Procedure for Remote Periodic Advertising" OR LL 9/31 "Connected Isochronous Stream - Central"), otherwise Excluded.
7/30	Receiving Long Control PDUs	[6] 4.5.11	C.14	☑	C.14: Mandatory IF LL 7/28 "Accepting Periodic Advertising Sync Transfer Procedure", otherwise Excluded.
7/31	Can Change Sleep Clock Accuracy	[6] 4.6.25	C.15	☑	C.15: Mandatory IF LL 9/40 "Can Change Sleep Clock Accuracy", otherwise Excluded.
7/32	CIG with multiple CISes: Sequential	[7] 4.5.14	C.16	☑	C.16: Mandatory IF LL 7/32a "More than one CIS in a CIG", otherwise Excluded.
7/32a	More than one CIS in a CIG	[7] 4.5.14	C.20	☑	C.20: Optional IF LL 9/31 "Connected Isochronous Stream - Central", otherwise Excluded.
7/33	CIG with multiple CISes: Interleaved	[7] 4.5.14	C.16	☑	C.16: Mandatory IF LL 7/32a "More than one CIS in a CIG", otherwise Excluded.
7/34	Channel Classification Enable	[1] 4.5.8.1	C.19	☑	C.19: Mandatory IF LL 9/44 "Channel Classification", otherwise Excluded.

Table 8: Physical Channels

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

Table 9: Supported Features

Item	Capability	Reference	Support	Status	Comment
9/1	LE Encryption	[1] 4.6.1	O	☑	
9/2	LE Ping	[2] 4.6.5	O	☑	
9/3	Connection Parameters Request procedure	[1] 4.6.2	C.2	☑	C.2: Optional IF LL 9/4 "Extended Reject Indication", otherwise Excluded.
9/4	Extended Reject Indication	[1] 4.6.3	O	☑	
9/5	Peripheral-initiated Features Exchange	[1] 4.6.4	O	☑	
9/6	LE Data Packet Length Extension	[3] 4.6.6	O	☑	
9/6a	Multiple PHYs	[4] 4.6.9	C.6	☑	C.6: Mandatory IF LL 9/7 "LE 2MPHY" OR LL 9/9 "LE Coded PHY", otherwise Excluded.
9/7	LE 2MPHY	[3] 2.1	C.5	☑	C.5: Optional IF CORE 1a/50 "Controller Core v5.0 or later" AND LL 9/4 "Extended Reject Indication", otherwise Excluded.
9/8	Asymmetric connections	[4] 4.6.9.1	C.7	☑	C.7: Optional IF LL 9/6a "Multiple PHYs", otherwise Excluded.
9/10	Channel Selection Algorithm #2	[4] 4.6.14	C.10	☑	C.10: Optional IF CORE 1a/50 "Controller Core v5.0 or later", otherwise not defined.
9/11	LE Power Class 1	[4] 4.6	C.9	☑	C.9: Mandatory IF RFPHY 1/15 "Power Class 1", otherwise Excluded.

9/12	Minimum Number of Used Channels procedure	[4] 4.6.15	C.10	☑	C.10: Optional IF CORE 1a/50 "Controller Core v5.0 or later", otherwise not defined.
9/13	LL Privacy	[4] 4.6.7	C.54	☑	C.54: Optional IF LL 2/4 "Generation of private addresses" AND LL 2/5 "Resolution of private addresses", otherwise Excluded.
9/26	Periodic Advertising Sync Transfer - Sender	[6] 4.6.23	C.23	☑	C.23: Optional IF CORE 1a/51 "Controller Core v5.1 or later" AND LL 3/10 "Periodic Advertising" AND (LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role"), otherwise Excluded.
9/27	Periodic Advertising Sync Transfer - Recipient	[6] 4.6.24	C.22	☑	C.22: Optional IF CORE 1a/51 "Controller Core v5.1 or later" AND LL 11/1 "Synchronizing to Periodic Advertising" AND (LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role"), otherwise Excluded.
9/28	Initiating Periodic Advertising Sync Transfer for Local Periodic Advertising	[6] 5.1.13	C.21	☑	C.21: Mandatory IF LL 9/26 "Periodic Advertising Sync Transfer - Sender", otherwise Excluded.
9/29	Initiating Periodic Advertising Sync Transfer for Remote Periodic Advertising	[6] 5.1.13	C.21	☑	C.21: Mandatory IF LL 9/26 "Periodic Advertising Sync Transfer - Sender", otherwise Excluded.
9/30	Sleep Clock Accuracy Updates	[6] 4.6.25	C.37	☑	C.37: Optional IF CORE 1a/51 "Controller Core v5.1 or later", otherwise Excluded.
9/31	Connected Isochronous Stream - Central	[7] 4.6.27	C.28	☑	C.28: Optional IF CORE 1a/52 "Controller Core v5.2 or later" AND LL 1/5 "Central Role" AND LL 9/4 "Extended Reject Indication" AND LL 9/10 "Channel Selection Algorithm #2" AND LL 9/30 "Sleep Clock Accuracy Updates", otherwise Excluded.
9/32	Connected Isochronous Stream - Peripheral	[7] 4.6.27	C.29	☑	C.29: Optional IF CORE 1a/52 "Controller Core v5.2 or later" AND LL 1/4 "Peripheral Role" AND LL 9/4 "Extended Reject Indication" AND LL 9/10 "Channel Selection Algorithm #2" AND LL 9/30 "Sleep Clock Accuracy Updates", otherwise Excluded.
9/33	Isochronous Broadcaster	[7] 4.6.28	C.30	☑	C.30: Optional IF CORE 1a/52 "Controller Core v5.2 or later" AND LL 9/42 "LE Periodic Advertising", otherwise Excluded.
9/34	Synchronized Receiver	[7] 4.6.29	C.30	☑	C.30: Optional IF CORE 1a/52 "Controller Core v5.2 or later" AND LL 9/42 "LE Periodic Advertising", otherwise Excluded.
9/35	ISO Receive Test	[8] 7.8.112, 7.8.113, 7.8.114	C.32	☑	C.32: Mandatory IF LL 9/31 "Connected Isochronous Stream - Central" OR LL 9/32 "Connected Isochronous Stream - Peripheral" OR LL 9/34 "Synchronized Receiver", otherwise Excluded.
9/36	ISO Transmit Test	[8] 7.8.111, 7.8.114	C.33	☑	C.33: Mandatory IF LL 9/31 "Connected Isochronous Stream - Central" OR LL 9/32 "Connected Isochronous Stream - Peripheral" OR LL 9/33 "Isochronous Broadcaster", otherwise Excluded.
9/37	LE Power Control Request	[7] 4.6.31	C.34	☑	C.34: Optional IF CORE 1a/52 "Controller Core v5.2 or later" AND LL 9/4 "Extended Reject Indication", otherwise Excluded.
9/40	Can Change Sleep Clock Accuracy	[6] 4.6.25	C.37	☑	C.37: Optional IF CORE 1a/51 "Controller Core v5.1 or later", otherwise Excluded.
9/41	LE Extended Advertising	[6] 4.6.12	C.38	☑	C.38: Optional IF CORE 1a/50 "Controller Core v5.0 or later" AND (LL 9/10 "Channel Selection Algorithm #2" OR NOT (LL 1/4 "Peripheral Role" OR LL 1/5 "Central Role")), otherwise Excluded.
9/42	LE Periodic Advertising	[6] 4.6.13	C.39	☑	C.39: Optional IF LL 9/41 "LE Extended Advertising" AND LL 9/10 "Channel Selection Algorithm #2", otherwise Excluded.
9/43	Periodic Advertising ADI support	[10] 4.6.34	C.40	☑	C.40: Optional IF CORE 1a/53 "Controller Core v5.3 or later" AND LL 9/42 "LE Periodic Advertising", otherwise Excluded.
9/44	Channel Classification	[10] 4.6.36	C.41	☑	C.41: Optional IF CORE 1a/53 "Controller Core v5.3 or later", otherwise Excluded.
9/46	BN values greater than 1 in CIS	[7] 4.5.13.1	C.42	☑	C.42: Optional IF (LL 9/31 "Connected Isochronous Stream - Central" OR LL 9/32 "Connected Isochronous Stream - Peripheral"), otherwise Excluded.
9/47	FT values greater than 1 in CIS	[7] 4.5.13.1	C.42	☑	C.42: Optional IF (LL 9/31 "Connected Isochronous Stream - Central" OR LL 9/32 "Connected Isochronous Stream - Peripheral"), otherwise Excluded.
9/58	Stable Modulation Index - Transmitter	[1] 4.6.10	C.10	☑	C.10: Optional IF CORE 1a/50 "Controller Core v5.0 or later", otherwise not defined.
9/59	Stable Modulation Index - Receiver	[1] 4.6.11	C.10	☑	C.10: Optional IF CORE 1a/50 "Controller Core v5.0 or later", otherwise not defined.
9/60	Features with Host Controlled feature bits	[7] 4.6, 4.6.33	C.55	☑	C.55: Mandatory IF LL 9/31 "Connected Isochronous Stream - Central" OR LL 9/32 "Connected Isochronous Stream - Peripheral" OR LL 9/45 "Connection Subrating" OR LL 9/48 "Advertising Coding Selection" OR LL 9/56 "Channel Sounding", otherwise Excluded.

Table 10: Scatternet Capabilities

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

Table 11a: Synchronized Receiver Features

Prerequisite: LL 9/34 "Synchronized Receiver"

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

Table 12: Protocol Isochronous Broadcasting Features

Prerequisite: LL 1/6 "Isochronous Broadcasting State"

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

Table 13: Supported Capabilities

Prerequisite: LL 9/56 "Channel Sounding"

Item	Capability	Reference	Support	Status	Comment
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Table 14: Channel Sounding Mode Capabilities

Prerequisite: LL 9/56 "Channel Sounding"

Item	Capability	Reference	Support	Status	Comment
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Link Manager Protocol

Table 1: Response Messages

Item	Capability	Reference	Support	Status	Comment
1/1	Accept message	[1] 2.7	M	☒	
1/2	Reject message	[1] 2.7	M	☒	

Table 2: Supported Features

Item	Capability	Reference	Support	Status	Comment
2/1	3-slot packets	[1] 3.3, 4.1.10	O	☒	
2/2	5-slot packets	[1] 3.3, 4.1.10	O	☒	
2/3	Encryption	[1] 3.3, 4.2.5	M	☒	
2/4	Slot offset	[1] 3.3, 4.4.1	O	☒	

2/5	Timing accuracy	[1] 3.3, 4.3.1	O	✓	
2/6	Role switch	[1] 3.3, 4.4.2, [3] 8.6.5	C.5	✓	C.5: Optional IF LMP 2/4 "Slot offset", otherwise Excluded.
2/8	Sniff mode	[1] 3.3, 4.5.3	O	✓	
2/10	Power Control	[1] 3.3, 4.1.3, [2] 3	C.1	✓	C.1: Mandatory IF RF 1/1 "Power Class 1", otherwise Optional.
2/12	SCO link	[1] 3.3, 4.6.1, [3] 4.3, 6.5.2.1, 6.5.2.4	O	✓	
2/13	RSSI with inquiry results	[1] 3.3, [3] 8.4.2	O	✓	
2/13a	Power Control Requests	[1] 3.3, 4.1.3	O	✓	
2/14	Broadcast encryption	[1] 3.3, 4.2.4, 4.2.6	C.18	✓	C.18: Excluded IF LMP 2/28 "Coarse Clock Adjustment", otherwise Optional IF LMP 2/3 "Encryption", otherwise Excluded.
2/15	eSCO link	[1] 3.3, 4.6.2, [3] 5.5, 6.5.3.1	O	✓	
2/17	Enhanced Data Rate ACL (2 Mb/s mode)	[1] 3.3, [3] 6.5.4	O	✓	
2/17a	Enhanced Data Rate ACL (3 Mb/s mode)	[1] 3.3, [3] 6.5.4	C.19	✓	C.19: Optional IF LMP 2/17 "Enhanced Data Rate ACL (2 Mb/s mode)", otherwise Excluded.
2/18	Enhanced Data Rate eSCO (2 Mb/s mode)	[1] 3.3, [3] 6.5.3	O	✓	
2/19a	Simple Pairing Updates	[4], [5] 3.3, 4.2.7.4	M	✓	
2/19b	Secure Simple Pairing (Controller Support)	[1] 3.3, 4.2.7	M	✓	
2/20	Enhanced Power Control	[1] 3.3, 4.1.3.1	C.6	✓	C.6: Optional IF LMP 2/10 "Power Control" AND LMP 2/13a "Power Control Requests", otherwise Excluded.
2/22	LE Supported (Controller)	[1] 3.3	C.4	✓	C.4: Mandatory IF CORE 10/12 "Link Layer (LL)", otherwise Excluded.
2/26	Secure Connections (Controller Support)	[1] 3.3, 4.2.7	C.9	✓	C.9: Optional IF LMP 2/3 "Encryption" AND LMP 2/27 "Ping" AND LMP 6/10 "Encryption Pause/Resume", otherwise Excluded.
2/27	Ping	[1] 3.3, 4.1.13	O	✓	

Table 2a: Additional Features

Item	Capability	Reference	Support	Status	Comment
2a/12	HV2 packets	[1] 3.3, [3] 6.5.2.2	C.12	✓	C.12: Optional IF LMP 2/12 "SCO link", otherwise Excluded.
2a/13	HV3 packets	[1] 3.3, [3] 6.5.2.3	C.12	✓	C.12: Optional IF LMP 2/12 "SCO link", otherwise Excluded.
2a/14	μ-law log synchronous data	[1] 3.3, [3] 9.1	C.14	✓	C.14: Optional IF LMP 2/12 "SCO link" OR LMP 2/15 "eSCO link", otherwise Excluded.
2a/15	A-law log synchronous data	[1] 3.3, [3] 9.1	C.14	✓	C.14: Optional IF LMP 2/12 "SCO link" OR LMP 2/15 "eSCO link", otherwise Excluded.
2a/16	CVSD synchronous data	[1] 3.3, [3] 9.2	C.14	✓	C.14: Optional IF LMP 2/12 "SCO link" OR LMP 2/15 "eSCO link", otherwise Excluded.
2a/19	Transparent synchronous data	[1] 3.3, [3] 6.4.3	C.14	✓	C.14: Optional IF LMP 2/12 "SCO link" OR LMP 2/15 "eSCO link", otherwise Excluded.
2a/28	Interlaced inquiry scan	[1] 3.3, [3] 8.4.1	O	✓	
2a/29	Interlaced page scan	[1] 3.3, [3] 8.3.1	O	✓	
2a/39	3-slot Enhanced Data Rate ACL packets	[1] 3.3, [3] 4.1.10	C.39	✓	C.39: Optional IF LMP 2/17 "Enhanced Data Rate ACL (2 Mb/s mode)", otherwise Excluded.
2a/40	5-slot Enhanced Data Rate ACL packets	[1] 3.3, [3] 4.1.10	C.39	✓	C.39: Optional IF LMP 2/17 "Enhanced Data Rate ACL (2 Mb/s mode)", otherwise Excluded.
2a/48	Extended Inquiry Response	[1] 3.3	C.48	✓	C.48: Optional IF LMP 2/13 "RSSI with inquiry results", otherwise Excluded.
2a/52	Encapsulated PDU	[1] 3.3, 4.1.12.1	M	✓	

2a/54	Non-flushable Packet Boundary Flag	[1] 3.3	O	☑	
2a/56	Link Supervision Timeout Changed event	[1] 3.3, [7] 7.7.46	C.56	☑	C.56: Mandatory IF HCI 13/7 "Link Supervision Timeout Changed event", otherwise Excluded.
2a/57	Variable Inquiry TX Power Level	[1] 3.3	O	☑	
2a/132	Inquiry Response Notification event	[1] 3.3, [7] 7.7.74	C.132	☑	C.132: Mandatory IF HCI 6/23 "Inquiry Response Notification event", otherwise Excluded.

Table 2b: EDR Features

Item	Capability	Reference	Support	Status	Comment
2b/1	EDR for asynchronous transports (single slot)	[2] 3.2	C.1, C.4	☑	C.1: Mandatory IF LMP 2/17 "Enhanced Data Rate ACL (2 Mb/s mode)", otherwise Excluded. C.4: Mandatory to support at least one IF CORE 30/4 "HS Core-Controller Configuration" OR CORE 30/5 "HS/LE Core-Controller Configuration", otherwise Optional.
2b/2	EDR for asynchronous transports (multi-slot)	[2] 3.2	C.2, C.4	☑	C.2: Mandatory IF LMP 2a/39 "3-slot Enhanced Data Rate ACL packets", otherwise Excluded. C.4: Mandatory to support at least one IF CORE 30/4 "HS Core-Controller Configuration" OR CORE 30/5 "HS/LE Core-Controller Configuration", otherwise Optional.
2b/3	EDR for synchronous transports (Core 3.0 or later)	[2] 3.2	C.3, C.4	☑	C.3: Mandatory IF LMP 2/18 "Enhanced Data Rate eSCO (2 Mb/s mode)", otherwise Excluded. C.4: Mandatory to support at least one IF CORE 30/4 "HS Core-Controller Configuration" OR CORE 30/5 "HS/LE Core-Controller Configuration", otherwise Optional.

Table 3: Authentication

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

Table 4: Pairing

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

Table 5: Link Keys

Item	Capability	Reference	Support	Status	Comment
5/2	Creation of link key - Combination Key	[1] 4.2.2.4	M	☑	
5/3	Initiate change of link key	[1] 4.2.3	O	☑	
5/4	Accept change of link key	[1] 4.2.3	M	☑	
5/8	Support for 7 bytes or longer encryption key size	[1] 4.2.5.2	M	☑	

Table 6: Encryption

Prerequisite: LMP 2/3 "Encryption"

Item	Capability	Reference	Support	Status	Comment
6/1	Initiate encryption	[1] 4.2.5.1	M	☑	
6/2	Accept encryption requests	[1] 4.2.5.1	M	☑	
6/5	Key size negotiation	[1] 4.2.5.2	M	☑	
6/6	Start encryption, as Central	[1] 4.2.5.3	M	☑	
6/7	Accept start of encryption	[1] 4.2.5.3	M	☑	
6/8	Stop encryption, as Central	[1] 4.2.5.4	M	☑	
6/9	Accept stop of encryption	[1] 4.2.5.4	M	☑	
6/10	Encryption Pause/Resume	[1] 4.2.5.3	M	☑	
6/11	AES CCM Encryption	[1] 4.2.5	C.3	☑	C.3: Mandatory IF LMP 2/26 "Secure Connections (Controller Support)", otherwise Excluded.

Table 7: Clock Offset Information

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

Table 8: Slot Offset Information

Prerequisite: LMP 2/4 "Slot offset"

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

Table 9: Timing Accuracy Information

Prerequisite: LMP 2/5 "Timing accuracy"

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

Table 10: LM Version Information

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

Table 11: Feature Support

Item	Capability	Reference	Support	Status	Comment
11/1	Request supported features	[1] 4.3.4	M	☑	
11/2	Respond to supported features requests	[1] 4.3.4	M	☑	

11/3	Request extended features mask	[1] 4.3.4	C.2	✓	C.2: Mandatory IF LMP 2a/128 "Connectionless Peripheral Broadcast - Central Operation" OR LMP 2a/129 "Connectionless Peripheral Broadcast - Peripheral Operation" OR LMP 2a/130 "Synchronization Train" OR LMP 2a/131 "Synchronization Scan" OR LMP 2a/132 "Inquiry Response Notification event" OR LMP 2a/133 "Generalized interlaced scan" OR LMP 2/28 "Coarse Clock Adjustment" OR LMP 2/26 "Secure Connections (Controller Support)" OR LMP 2/27 "Ping" OR LMP 2/29 "Slot Availability Mask" OR LMP 2a/139 "Train nudging", otherwise Optional. Note: Mandatory IF a feature requiring another features page (a feature with an LMP feature number greater than 63 in Table 3.1: Mapping of LMP Feature Bits to ICS Items), other than Host features, is supported, otherwise Optional.
11/4	Respond to extended features request	[1] 4.3.4	C.2	✓	C.2: Mandatory IF LMP 2a/128 "Connectionless Peripheral Broadcast - Central Operation" OR LMP 2a/129 "Connectionless Peripheral Broadcast - Peripheral Operation" OR LMP 2a/130 "Synchronization Train" OR LMP 2a/131 "Synchronization Scan" OR LMP 2a/132 "Inquiry Response Notification event" OR LMP 2a/133 "Generalized interlaced scan" OR LMP 2/28 "Coarse Clock Adjustment" OR LMP 2/26 "Secure Connections (Controller Support)" OR LMP 2/27 "Ping" OR LMP 2/29 "Slot Availability Mask" OR LMP 2a/139 "Train nudging", otherwise Optional. Note: Mandatory IF a feature requiring another features page (a feature with an LMP feature number greater than 63 in Table 3.1: Mapping of LMP Feature Bits to ICS Items), other than Host features, is supported, otherwise Optional.

Table 12: Name Information

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

Table 13: Role Switch

Prerequisite: LMP 2/6 "Role switch"

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

Table 14: Detach

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

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

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

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

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

Table 15: Hold Mode

Prerequisite: LMP 2/7 "Hold mode"

Item	Capability	Reference	Support	Status	Comment
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Table 16: Sniff Mode

Prerequisite: LMP 2/8 "Sniff mode"

Item	Capability	Reference	Support	Status	Comment
16/2	Request sniff mode	[1] 4.5.3, 4.5.3.2	O	✓	

16/3	Respond to sniff mode requests (renegotiate or reject)	[1] 4.5.3.2	M	☑	
16/5	Request un-sniff	[1] 4.5.3.2	C.1	☑	C.1: Mandatory IF LMP 16/2 "Request sniff mode", otherwise Optional.
16/6	Accept un-sniff requests	[1] 4.5.3.2	M	☑	
16/7	Sniff Subrating Mode	[1] 4.5.3.2	M	☑	

Table 18: Power Control

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

Table 19: Link Supervision Timeout

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

Table 20: Quality of Service

Item	Capability	Reference	Support	Status	Comment
20/2	Force/Request change of Quality of Service	[1] 4.1.8, 4.1.8.1	M	☑	
20/3	Request change of Quality of Service	[1] 4.1.8, 4.1.8.2	M	☑	

Table 22: Multi-Slot Packets

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

Table 23: Paging Scheme

Prerequisite: LMP 2/30 "Paging Parameter Negotiation"

Item	Capability	Reference	Support	Status	Comment
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Table 24: Connection Establishment

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

Table 25: Test Mode

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

Table 26: Adaptive Frequency Hopping

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

Table 27: Ping

Prerequisite: LMP 2/27 "Ping"

Item	Capability	Reference	Support	Status	Comment
27/1	Initiate LMP Ping	[1] 4.1.13	O	☑	
27/2	Respond to LMP Ping	[1] 4.1.13	M	☑	

Table 28: Coarse Clock Adjustment

Prerequisite: LMP 2/28 "Coarse Clock Adjustment"

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

Prerequisite: LMP 2/29 "Slot Availability Mask"

Item	Capability	Reference	Support	Status	Comment
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Table 30: BB Requirements

Item	Capability	Reference	Support	Status	Comment
30/0a	DM3 packet type	[3] 6.5.4.3	C.0	☑	C.0: Mandatory IF LMP 2/1 "3-slot packets", otherwise not defined.
30/0b	DH3 packet type	[3] 6.5.4.4	C.0	☑	C.0: Mandatory IF LMP 2/1 "3-slot packets", otherwise not defined.
30/1a	DM5 packet type	[3] 6.5.4.5	C.1	☑	C.1: Mandatory IF LMP 2/2 "5-slot packets", otherwise not defined.

30/1b	DH5 packet type	[3] 6.5.4.6	C.1	☑	C.1: Mandatory IF LMP 2/2 "5-slot packets", otherwise not defined.
30/11	SCO link	[3] 4.5.1.2, 8.6.2	C.11	☑	C.11: Mandatory IF LMP 2/12 "SCO link", otherwise not defined.
30/12	HV2 packet type	[3] 6.5.2.2	C.12	☑	C.12: Mandatory IF LMP 2a/12 "HV2 packets", otherwise not defined.
30/13	HV3 packet type	[3] 6.5.2.3	C.13	☑	C.13: Mandatory IF LMP 2a/13 "HV3 packets", otherwise not defined.
30/14	μ-law	[3] 9.1	C.14	☑	C.14: Mandatory IF LMP 2a/14 "μ-law log synchronous data", otherwise not defined.
30/15	A-law	[3] 9.1	C.15	☑	C.15: Mandatory IF LMP 2a/15 "A-law log synchronous data", otherwise not defined.
30/16	CVSD	[3] 9.2	C.16	☑	C.16: Mandatory IF LMP 2a/16 "CVSD synchronous data", otherwise not defined.
30/19	Transparent Synchronous Data	[3] 6.4.3	C.19	☑	C.19: Mandatory IF LMP 2a/19 "Transparent synchronous data", otherwise not defined.
30/25	2-DH1 packet type	[3] 6.5.4.8	C.25	☑	C.25: Mandatory IF LMP 2/17 "Enhanced Data Rate ACL (2 Mb/s mode)", otherwise not defined.
30/26	3-DH1 packet type	[3] 6.5.4.11	C.26	☑	C.26: Mandatory IF LMP 2/17a "Enhanced Data Rate ACL (3 Mb/s mode)", otherwise not defined.
30/28	Interlaced Scan during Inquiry Scan	[3] 8.4.1	C.28	☑	C.28: Mandatory IF LMP 2a/28 "Interlaced inquiry scan", otherwise not defined.
30/29	Interlaced Scan during Page Scan	[3] 8.3.1	C.29	☑	C.29: Mandatory IF LMP 2a/29 "Interlaced page scan", otherwise not defined.
30/31	eSCO link	[3] 4.5.1.4, 8.6.3	C.31	☑	C.31: Mandatory IF LMP 2/15 "eSCO link", otherwise not defined.
30/39	2-DH3 packet type	[3] 6.5.4.9	C.39	☑	C.39: Mandatory IF LMP 2a/39 "3-slot Enhanced Data Rate ACL packets", otherwise not defined.
30/40	2-DH5 packet type	[3] 6.5.4.13	C.40	☑	C.40: Mandatory IF LMP 2a/40 "5-slot Enhanced Data Rate ACL packets", otherwise not defined.
30/45	2-EV3 packet type	[3] 6.5.3.4	C.45	☑	C.45: Mandatory IF LMP 2/18 "Enhanced Data Rate eSCO (2 Mb/s mode)", otherwise not defined.
30/48	Extended Inquiry Response	[3] 8.4.3	C.48	☑	C.48: Mandatory IF LMP 2a/48 "Extended Inquiry Response", otherwise not defined.
30/54	Non-flushable Packet Boundary Flag	[3] 7.6.3	C.54	☑	C.54: Mandatory IF LMP 2a/54 "Non-flushable Packet Boundary Flag", otherwise not defined.

Radio

Table 1: RF Capabilities

Item	Capability	Reference	Support	Status	Comment
1/1	Power Class 1	[1] 3	C.5	☑	C.5: Mandatory to support at least one.
1/4	Power Control	[1] 3	C.1	☑	C.1: Mandatory IF RF 1/1 "Power Class 1", otherwise Optional IF RF 1/2 "Power Class 2" OR RF 1/3 "Power Class 3", otherwise Excluded.
1/5	1-slot packets supported	[2] 6.5	M	☑	
1/6	3-slot packets supported	[2] 6.5	O	☑	
1/7	5-slot packets supported	[2] 6.5	O	☑	
1/8	79 Channels	[1] 2	M	☑	
1/9	Support for GFSK modulation	[1] 3.1	M	☑	
1/10	Support for $\pi/4$ -DQPSK modulation	[1] 3.2	O	☑	
1/11	Support for 8DPSK modulation	[1] 3.2	C.3	☑	C.3: Optional IF RF 1/10 "Support for $\pi/4$ -DQPSK modulation", otherwise Excluded.
1/12	Enhanced Power Control	[1] 3	C.4	☑	C.4: Optional IF RF 1/4 "Power Control", otherwise Excluded.

Low Energy RF PHY

Table 1: Bluetooth LE RF Capabilities

Item	Capability	Reference	Support	Status	Comment
1/1	LE Transmitter	[1] 3	C.1	☑	C.1: Mandatory to support at least one. Note: Selecting both RFPHY 1/1 "LE Transmitter" and RFPHY 1/2 "LE Receiver" is equivalent to selecting RFPHY 1/3 "LE Transceiver" and vice versa.
1/2	LE Receiver	[1] 4	C.1	☑	C.1: Mandatory to support at least one. Note: Selecting both RFPHY 1/1 "LE Transmitter" and RFPHY 1/2 "LE Receiver" is equivalent to selecting RFPHY 1/3 "LE Transceiver" and vice versa.
1/3	LE Transceiver	[1] 3, 4	C.1	☑	C.1: Mandatory to support at least one. Note: Selecting both RFPHY 1/1 "LE Transmitter" and RFPHY 1/2 "LE Receiver" is equivalent to selecting RFPHY 1/3 "LE Transceiver" and vice versa.
1/4	LE 2MPHY	[2] 3, 4	C.2	☑	C.2: Optional IF CORE 1a/50 "Controller Core v5.0 or later", otherwise Excluded.
1/5	Stable Modulation Index - Transmitter	[2] 3.1.1	C.3	☑	C.3: Optional IF CORE 1a/50 "Controller Core v5.0 or later" AND (RFPHY 1/1 "LE Transmitter" OR RFPHY 1/3 "LE Transceiver"), otherwise Excluded.
1/6	Stable Modulation Index - Receiver	[2] 3.1.1	C.4	☑	C.4: Optional IF CORE 1a/50 "Controller Core v5.0 or later" AND (RFPHY 1/2 "LE Receiver" OR RFPHY 1/3 "LE Transceiver"), otherwise Excluded.
1/15	Power Class 1	[4] 4.6	C.9	☑	C.9: Optional IF (CORE 1a/50 "Controller Core v5.0 or later" OR CORE 1c/1 "Core Specification Addendum 5") AND (RFPHY 1/1 "LE Transmitter" OR RFPHY 1/3 "LE Transceiver"), otherwise Excluded.

Table 3: Channel Sounding Capabilities

Prerequisite: ((RFPHY 1/1 "LE Transmitter" AND RFPHY 1/2 "LE Receiver") OR RFPHY 1/3 "LE Transceiver") AND RFPHY 1/16 "Channel Sounding"

Item	Capability	Reference	Support	Status	Comment
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BR/EDR Security

Table 1: Security Mechanisms

Item	Capability	Reference	Support	Status	Comment
1/1	Legacy Security	[1] 1	M	☑	
1/2	Secure Simple Pairing	[1] 1	M	☑	
1/3	Secure Connections	[1] 1	O	☑	

Table 2: Security Algorithms

Item	Capability	Reference	Support	Status	Comment
2/1	E0 encryption	[1] 1	C.1	☑	C.1: Mandatory IF SEC 1/1 "Legacy Security" OR SEC 1/2 "Secure Simple Pairing", otherwise Excluded.
2/2	AES-CCM encryption	[1] 1	C.2	☑	C.2: Mandatory IF SEC 1/3 "Secure Connections", otherwise Excluded.
2/3	Legacy authentication	[1] 1	C.1	☑	C.1: Mandatory IF SEC 1/1 "Legacy Security" OR SEC 1/2 "Secure Simple Pairing", otherwise Excluded.
2/3a	Secure Simple Pairing Authentication	[1] 1	C.5	☑	C.5: Mandatory IF SEC 1/2 "Secure Simple Pairing" OR SEC 1/3 "Secure Connections", otherwise Excluded.
2/4	Secure authentication	[1] 1	C.2	☑	C.2: Mandatory IF SEC 1/3 "Secure Connections", otherwise Excluded.
2/5	E3 key generation	[1] 1	C.3	☑	C.3: Mandatory IF SEC 1/1 "Legacy Security", otherwise Excluded.
2/6	AES key generation h3	[1] 1	C.5	☑	C.5: Mandatory IF SEC 1/2 "Secure Simple Pairing" OR SEC 1/3 "Secure Connections", otherwise Excluded.
2/7	P-192 elliptic curve	[1] 1	C.4	☑	C.4: Mandatory IF SEC 1/2 "Secure Simple Pairing", otherwise Excluded.
2/8	P-256 elliptic curve	[1] 1	C.2	☑	C.2: Mandatory IF SEC 1/3 "Secure Connections", otherwise Excluded.

Table 3: Broadcast Encryption Options

Item	Capability	Reference	Support	Status	Comment
3/1	No encryption	[1] 4.2	M	☑	
3/2	Point-to-point only encryption	[1] 4.2	M	☑	

3/3	Point-to-point and broadcast encryption	[1] 4.2	C.1	☒	C.1: Excluded IF NOT SEC 4/4 "Broadcast encryption", otherwise Mandatory IF SEC 1/1 "Legacy Security" OR SEC 1/2 "Secure Simple Pairing", otherwise Optional.
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Table 4: LMP Requirements

Item	Capability	Reference	Support	Status	Comment
4/1	Encryption	[1] 1	M	☒	
4/2	Secure Simple Pairing (Controller Support)	[1] 1	C.1	☒	C.1: Mandatory IF SEC 1/2 "Secure Simple Pairing", otherwise not defined.
4/3	Secure Connections (Controller Support)	[1] 1	C.2	☒	C.2: Mandatory IF SEC 1/3 "Secure Connections", otherwise not defined.
4/4	Broadcast encryption	[1] 4.2	C.3	☒	C.3: Mandatory IF SEC 3/3 "Point-to-point and broadcast encryption", otherwise not defined.
4/5	AES CCM Encryption	[1] 1	C.4	☒	C.4: Mandatory IF SEC 2/2 "AES-CCM encryption", otherwise not defined.