x

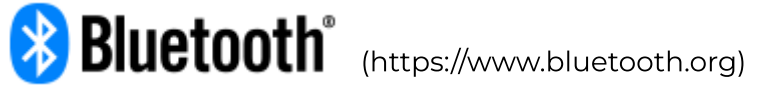❶ Updated Launch Studio Terms of Use go into effect on 15 November 2022. Changes clarify Declaration ID validity period. Learn more (https://support.bluetooth.com/hc/en-us/articles/360054636252)

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Consistency Check ▾

Core Specification

4.0HCI (4.0 Host Controlle

BB (Baseband Conformar

HCI (Host Controller Interf

LL (Low Energy Link Layer

LMP (Link Manager)

PROD (Product Type)

RF (Radio)

RFPHY (Low Energy RF PI

SUM ICS (Summary ICS)

GATT Profiles and Ser

LE Audio Specification

Mesh Specifications

Traditional Profiles

4.0 Host Controller Interface

Version and IUT Configuration

Table 1a: IUT Configuration

Support	Item	Capability	Reference	Status	Comment
☐	1a/2	Host	[1] 1.0	C.0	C.0: Mandatory to support at least one of the defined IUT Configurations.
☑	1a/4	LE Controller	[1] 1.0	C.0	C.0: Mandatory to support at least one of the defined IUT Configurations.

Capability Statement

Table 1: -

Support	Item	Capability	Reference	Status	Comment
☑	1/1	Command Complete event	[1] 7.7.14	M	
☑	1/1d	Support all LE Controller commands	[1] 3.3, 7.7	O	
☑	1/2	Command Status event	[1] 7.7.15	M	
☑	1/3	Hardware Error event	[1] 7.7.16	O	

Capability Statement

Table 2: -

Support	Item	Capability	Reference	Status	Comment

| ☑ | 2/1 | Reset command | [1] 7.3.2 | M |

Capability Statement

Table 3: -

Support	Item	Capability	Reference	Status	Comment
☐	3/1	Read Buffer Size command	[1] 7.4.5	C.5a	C.5a: Mandatory IF HCI 1a/1 "BR/EDR" OR HCI 1a/3 "AMP" is supported, otherwise Optional.
☑	3/5	LE Read Buffer Size command [v1]	[1] 7.8.2	M	
☐	3/6	LE Request Peer SCA command	[8] 7.8 .108	Core v.5.2 or later|C.44	C.44: Mandatory IF LL 9/30 "Sleep Clock Accuracy Update" is supported, otherwise Excluded.
☐	3/7	LE Request Peer SCA Complete event	[8] 7.7.65.31	Core v.5.2 or later | C.44	Core v.5.2 or later C.44: Mandatory IF LL 9/30 "Sleep Clock Accuracy Update" is supported, otherwise Excluded.
☐	3/8	LE Read Buffer Size command [v2]	[8] 7.8.2	Core v.5.2 or later | C.45	Core v.5.2 or later C.45: Mandatory IF LL 9/31 "Connected Isochronous Stream Master" OR LL 9/32 "Connected Isochronous Slave" OR LL 9/33 "Isochronous Broadcaster" is supported, otherwise Excluded.
☐	3/9	LE Read ISO TX Sync command	[8] 7.8.96	Core v.5.2 or later | C.45	Core v.5.2 or later C.45: Mandatory IF LL 9/31 "Connected Isochronous Stream Master" OR LL 9/32 "Connected Isochronous Slave" OR LL 9/33 "Isochronous Broadcaster" is supported, otherwise Excluded.

Capability Statement

Table 4: -

Support	Item	Capability	Reference	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	
☑	4/5	Read BD_ADDR command	[1] 7.4.6	M	
☑	4/8	LE Read Local Supported Features command	[1] 7.8.3	M	
☑	4/9	LE Read Supported States command	[1] 7.8.27	M	
☐	4/11	LE Read Antenna Information command	[5] 7.8.87	Core v.5.1 or later | C.31	Core v.5.1 or later C.31: Mandatory IF LL 9/14 "Connection CTE Request" OR LL 9/15 "Connection CTE Response" OR LL 9/16 "Connectionless CTE Transmitter" OR LL 9/17 "Connectionless CTE Receiver" is supported, otherwise Excluded.
☐	4/13	Read Local Supported Codecs command [v2]	[1] 7.4.8	Core v.5.2 or later | O	Core v.5.2 or later
☐	4/14	Read Local Supported Codec Capabilities command	[1] 7.4.10	Core v.5.2 or later | C.156	Core v.5.2 or later C.156: Mandatory IF HCI 4/13 "Read Local Supported Codecs command [v2]" is supported, otherwise Excluded.

	4/15	Read Local Supported Controller Delay command	[1] 7.4.11	Core v.5.2 or later | C.156	Core v.5.2 or later C.156: Mandatory IF HCI 4/13 "Read Local Supported Codecs command [v2]" is supported, otherwise Excluded.

Capability Statement

Table 5: -

Support	Item	Capability	Reference	Status	Comment
☑	5/13	LE Set Random Address command	[1] 7.8.4	C.1	C.1: Mandatory IF RF PHY 1/1 "LE Transmitter" OR RF PHY 1/3 "LE Transceiver" is supported, otherwise Excluded.
☑	5/14	LE Read White List Size command	[1] 7.8.14	M	
☑	5/15	LE Add Device To White List command	[1] 7.8.16	M	
☑	5/16	LE Clear White List command	[1] 7.8.15	M	
☑	5/17	LE Remove Device From White List command	[1] 7.8.17	M	
☐	5/18	Set MWS Channel Parameters command	[3] 7.3.80	C.108	C.108: Mandatory IF HCI 5/19 "Set External Frame Configuration command" is supported, otherwise Excluded.
☐	5/20	Set MWS Signaling command	[3] 7.3.82	O	
☐	5/21	Set MWS Transport Layer command	[3] 7.3.83	C.109	C.109: Mandatory IF HCI 5/20 "Set MWS Signaling command" is supported, otherwise Excluded.
☐	5/22	Set MWS Scan Frequency Table command	[3] 7.3.84	O	

☐	5/24	Get MWS Transport Layer Configuration command	[3] 7.5.11	C.109	C.109: Mandatory IF HCI 5/20 "Set MWS Signaling command" is supported, otherwise Excluded.
☐	5/27	LE Add Device To Resolving List command	[4] 7.8.38	C.9	C.9: Mandatory IF LL 9/13 "LL Privacy" is supported, otherwise Excluded.
☐	5/28	LE Remove Device From Resolving List command	[4] 7.8.39	C.9	C.9: Mandatory IF LL 9/13 "LL Privacy" is supported, otherwise Excluded.
☐	5/29	LE Clear Resolving List command	[4] 7.8.40	C.9	C.9: Mandatory IF LL 9/13 "LL Privacy" is supported, otherwise Excluded.
☐	5/30	LE Read Resolving List Size command	[4] 7.8.41	C.9	C.9: Mandatory IF LL 9/13 "LL Privacy" is supported, otherwise Excluded.
☐	5/31	LE Set Address Resolution Enable command	[4] 7.8.44	C.9	C.9: Mandatory IF LL 9/13 "LL Privacy" is supported, otherwise Excluded.
☐	5/32	LE Set Resolvable Private Address Timeout command	[4] 7.8.45	C.9	C.9: Mandatory IF LL 9/13 "LL Privacy" is supported, otherwise Excluded.
☐	5/33	LE Set Advertising Set Random Address command	[5] 7.8.52	Core v.5.0 or later | C.17	Core v.5.0 or laterC.17: Mandatory IF LL 3/9 "Extended Advertising" is supported, otherwise Excluded.
☐	5/34	LE Set Extended Advertising Parameters command	[5] 7.8.53	Core v.5.0 or later | C.17	Core v.5.0 or later C.17: Mandatory IF LL 3/9 "Extended Advertising" is supported, otherwise Excluded.
☐	5/35	LE Set Periodic Advertising Parameters command	[5] 7.8.61	Core v.5.0 or later | C.18	Core v.5.0 or later C.18: Mandatory IF LL 3/10 "Periodic Advertising" is supported, otherwise Excluded.

☐	5/36	LE Set Extended Advertising Data command	[5] 7.8.54	Core v.5.0 or later | C.17	Core v.5.0 or later C.17: Mandatory IF LL 3/9 "Extended Advertising" is supported, otherwise Excluded.
☐	5/37	LE Set Periodic Advertising Data command	[5] 7.8.62	Core v.5.0 or later | C.18	Core v.5.0 or later C.18: Mandatory IF LL 3/10 "Periodic Advertising" is supported, otherwise Excluded.
☐	5/38	LE Set Extended Scan Response Data command	[5] 7.8.55	Core v.5.0 or later | C.17	Core v.5.0 or later C.17: Mandatory IF LL 3/9 "Extended Advertising" is supported, otherwise Excluded.
☐	5/39	LE Scan Request Received event	[5] 7.7.65.19	Core v.5.0 or later | C.17	Core v.5.0 or later C.17: Mandatory IF LL 3/9 "Extended Advertising" is supported, otherwise Excluded.
☐	5/40	LE Set Extended Advertising Enable command	[5] 7.8.56	Core v.5.0 or later | C.17	Core v.5.0 or later C.17: Mandatory IF LL 3/9 "Extended Advertising" is supported, otherwise Excluded.
☐	5/41	LE Set Periodic Advertising Enable command	[5] 7.8.63	Core v.5.0 or later | C.18	Core v.5.0 or later C.18: Mandatory IF LL 3/10 "Periodic Advertising" is supported, otherwise Excluded.
☐	5/42	LE Read Maximum Advertising Data Length command	[5] 7.8.57	Core v.5.0 or later | C.17	Core v.5.0 or later C.17: Mandatory IF LL 3/9 "Extended Advertising" is supported, otherwise Excluded.
☐	5/43	LE Read Number of Supported Advertising Sets command	[5] 7.8.58	Core v.5.0 or later | C.17	Core v.5.0 or later C.17: Mandatory IF LL 3/9 "Extended Advertising" is supported, otherwise Excluded.
☑	5/44	LE Read Transmit Power command	[5] 7.8.74	Core v.5.0 or later | C.1	Core v.5.0 or later C.1: Mandatory IF RF PHY 1/1 "LE Transmitter" OR RF PHY 1/3 "LE Transceiver" is supported, otherwise Excluded.

☐	5/45	LE Write RF Path Compensation command	[5] 7.8.76	Core v.5.0 or later | C.22	Core v.5.0 or later C.22: Mandatory IF LL 3/13 "Sending Tx Power in Advertisements" is supported, otherwise Optional.
☐	5/46	LE Read RF Path Compensation command	[5] 7.8.75	Core v.5.0 or later | C.22	Core v.5.0 or later C.22: Mandatory IF LL 3/13 "Sending Tx Power in Advertisements" is supported, otherwise Optional.
☐	5/47	LE Remove Advertising Set command	[5] 7.8.59	Core v.5.0 or later | C.17	Core v.5.0 or later C.17: Mandatory IF LL 3/9 "Extended Advertising" is supported, otherwise Excluded.
☐	5/48	LE Clear Advertising Sets command	[5] 7.8.60	Core v.5.0 or later | C.17	Core v.5.0 or later C.17: Mandatory IF LL 3/9 "Extended Advertising" is supported, otherwise Excluded.
☐	5/49	LE Advertising Set Terminated event	[5] 7.7.65.18	Core v.5.0 or later | C.17	Core v.5.0 or later C.17: Mandatory IF LL 3/9 "Extended Advertising" is supported, otherwise Excluded.
☐	5/50	LE Set Connectionless CTE Transmit Parameters command	[5] 7.8.80	Core v.5.1 or later | C.27	Core v.5.1 or later C.27: Mandatory IF LL 9/16 "Connectionless CTE Transmitter" is supported, otherwise Excluded.
☐	5/51	LE Set Connectionless CTE Transmit Enable command	[5] 7.8.81	Core v.5.1 or later | C.27	Core v.5.1 or later C.27: Mandatory IF LL 9/16 "Connectionless CTE Transmitter" is supported, otherwise Excluded.
☐	5/52	LE Set Connectionless IQ Sampling Enable command	[5] 7.8.82	Core v.5.1 or later | C.28	Core v.5.1 or later C.28: Mandatory IF LL 9/17 "Connectionless CTE Receiver" is supported, otherwise Excluded.

	5/54	LE Setup ISO Data Path command	[8] 7.8.109	Core v.5.2 or later | C.47	Core v.5.2 or later C.47: Mandatory IF LL 9/31 "Connected Isochronous Stream Master" OR LL 9/32 "Connected Isochronous Stream Slave", OR LL 9/33 "Isochronous Broadcaster" OR LL 9/34 "Synchronized Receiver" is supported, otherwise Excluded.
	5/55	LE Remove ISO Data Path command	[8] 7.8.110	Core v.5.2 or later | C.47	Core v.5.2 or later C.47: Mandatory IF LL 9/31 "Connected Isochronous Stream Master" OR LL 9/32 "Connected Isochronous Stream Slave", OR LL 9/33 "Isochronous Broadcaster" OR LL 9/34 "Synchronized Receiver" is supported, otherwise Excluded.
	5/56	LE Set CIG Parameters command	[8] 7.8.97	Core v.5.2 or later | C.39	Core v.5.2 or later C.39: Mandatory IF LL 9/31 "Connected Isochronous Stream Master" is supported, otherwise Excluded.
	5/57	LE Remove CIG command	[8] 7.8.100	Core v.5.2 or later | C.39	Core v.5.2 or later C.39: Mandatory IF LL 9/31 "Connected Isochronous Stream Master" is supported, otherwise Excluded.
	5/58	LE Set CIG Parameters Test command	[8] 7.8.98	Core v.5.2 or later | C.39	Core v.5.2 or later C.39: Mandatory IF LL 9/31 "Connected Isochronous Stream Master" is supported, otherwise Excluded.
	5/59	LE Enhanced Read Transmit Power Level command	[8] 7.8.117	Core v.5.2 or later | C.51	Core v.5.2 or later C.51: Mandatory IF LL 9/37 "LE Power Control Request" is supported, otherwise Excluded.

Support	Item	Capability	Reference	Status	Comment
☐	5/60	LE Set Path Loss Reporting Parameters command	[8] 7.8.119	Core v.5.2 or later | C.52	Core v.5.2 or later C.52: Mandatory IF LL 9/39 "LE Path Loss Monitoring" is supported, otherwise Excluded.
☐	5/61	LE Set Path Loss Reporting Enable command	[8] 7.8.120	Core v.5.2 or later | C.52	Core v.5.2 or later C.52: Mandatory IF LL 9/39 "LE Path Loss Monitoring" is supported, otherwise Excluded.
☐	5/62	LE Transmit Power Reporting event	[8] 7.7.65.33	Core v.5.2 or later | C.51	Core v.5.2 or later C.51: Mandatory IF LL 9/37 "LE Power Control Request" is supported, otherwise Excluded.
☐	5/63	LE Path Loss Threshold event	[8] 7.7.65.32	Core v.5.2 or later | C.52	Core v.5.2 or later C.52: Mandatory IF LL 9/39 "LE Path Loss Monitoring" is supported, otherwise Excluded.
☐	5/64	LE Set Transmit Power Reporting Enable command	[8] 7.8.121	Core v.5.2 or later | C.51	Core v.5.2 or later C.51: Mandatory IF LL 9/37 "LE Power Control Request" is supported, otherwise Excluded.
☐	5/65	Set Ecosystem Base Interval command	[8] 7.3.100	Core v.5.2 or later | O	Core v.5.2 or later
☐	5/66	Configure Data Path command	[1] 7.3.101	Core v.5.2 or later | C.156	Core v.5.2 or later C.156: Mandatory IF HCI 4/13 "Read Local Supported Codecs command [v2]" is supported, otherwise Excluded.

Capability Statement

Table 6: -

Support	Item	Capability	Reference	Status	Comment
☑	6/15	LE Set Advertising Enable command	[1] 7.8.9	C.97	C.97: Mandatory IF LL 1/1 "Advertising State" is supported, otherwise Excluded.

☑	6/16	LE Set Advertising Parameters command	[1] 7.8.5	C.97	C.97: Mandatory IF LL 1/1 "Advertising State" is supported, otherwise Excluded.
☑	6/17	LE Set Scan Response Data command	[1] 7.8.8	C.15	C.15: Mandatory IF LL 3/5 "Scannable Undirected Events" OR LL 3/5a "Scannable Directed Events" is supported, otherwise Excluded.
☑	6/18	LE Set Advertising Data command	[1] 7.8.7	C.97	C.97: Mandatory IF LL 1/1 "Advertising State" is supported, otherwise Excluded.
☑	6/19	LE Advertising Report event	[1] 7.7.65.2	C.98	C.98: Mandatory IF LL 1/2 "Scanning State" is supported, otherwise Excluded.
☑	6/20	LE Set Scan Enable command	[1] 7.8.11	C.98	C.98: Mandatory IF LL 1/2 "Scanning State" is supported, otherwise Excluded.
☑	6/21	LE Set Scan Parameters command	[1] 7.8.10	C.98	C.98: Mandatory IF LL 1/2 "Scanning State" is supported, otherwise Excluded.
☑	6/22	LE Read Advertising Physical Channel Tx Power command	[1] 7.8.6	C.97	C.97: Mandatory IF LL 1/1 "Advertising State" is supported, otherwise Excluded.
☐	6/26	LE Directed Advertising Report event	[4] 7.7.65.11	C.9	C.9: Mandatory IF LL 9/13 "LL Privacy" is supported, otherwise Excluded.
☐	6/27	LE Set Extended Scan Parameters command	[5] 7.8.64	Core v.5.0 or later | C.19	Core v.5.0 or later C.19: Mandatory IF LL 4/7 "Extended Scanning" is supported, otherwise Excluded.
☐	6/28	LE Set Extended Scan Enable command	[5] 7.8.65	Core v.5.0 or later | C.19	Core v.5.0 or later C.19: Mandatory IF LL 4/7 "Extended Scanning" is supported, otherwise Excluded.

☐	6/29	LE Extended Advertising Report event	[5] 7.7.65.13	C.19	C.19: Mandatory IF LL 4/7 "Extended Scanning" is supported, otherwise Excluded.
☐	6/30	LE Periodic Advertising Create Sync command	[5] 7.8.67	Core v.5.0 or later | C.16	Core v.5.0 or later C.16: Mandatory IF LL 4/8 "Scanning for Periodic Advertising" AND LL 1/3a "Synchronization State" are supported, otherwise Excluded.
☐	6/31	LE Periodic Advertising Create Sync Cancel command	[5] 7.8.68	Core v.5.0 or later | C.16	Core v.5.0 or later C.16: Mandatory IF LL 4/8 "Scanning for Periodic Advertising" AND LL 1/3a "Synchronization State" are supported, otherwise Excluded.
☐	6/32	LE Periodic Advertising Terminate Sync command	[5] 7.8.69	Core v.5.0 or later | C.21	Core v.5.0 or later C.21: Mandatory IF LL 11/1 "Synchronizing to Periodic Advertising" is supported, otherwise Excluded.
☐	6/33	LE Periodic Advertising Report event	[5] 7.7.65.15	Core v.5.0 or later | C.21	Core v.5.0 or later C.21: Mandatory IF LL 11/1 "Synchronizing to Periodic Advertising" is supported, otherwise Excluded.
☐	6/34	LE Periodic Advertising Sync Lost event	[5] 7.7.65.16	Core v.5.0 or later | C.21	Core v.5.0 or later C.21: Mandatory IF LL 11/1 "Synchronizing to Periodic Advertising" is supported, otherwise Excluded.
☐	6/35	LE Periodic Advertising Sync Established event	[5] 7.7.65.14	Core v.5.0 or later | C.16	Core v.5.0 or later C.16: Mandatory IF LL 4/8 "Scanning for Periodic Advertising" AND LL 1/3a "Synchronization State" are supported, otherwise Excluded.
☐	6/36	LE Scan Timeout event	[5] 7.7.65.17	Core v.5.0 or later | C.19	Core v.5.0 or later C.19: Mandatory IF LL 4/7 "Extended Scanning" is supported, otherwise Excluded.

Support	Item	Capability	Reference	Status	Comment
☐	6/37	LE Set Periodic Advertising Receive Enable command	[6] 7.8.88	Core v.5.1 or later | C.32	Core v.5.1 or later C.32: Mandatory IF LL 9/27 "Periodic Advertising Sync Transfer – Recipient" is supported, otherwise Optional IF LL 11/1 "Synchronizing to Periodic Advertising" is supported, otherwise Excluded.
☐	6/38	LE BIG Create Sync command	[8] 7.8.106	Core v.5.2 or later | C.42	Core v.5.2 or later C.42: Mandatory IF LL 9/34 "Synchronized Receiver" is supported, otherwise Excluded.
☐	6/39	LE BIG Sync Established event	[8] 7.7.65.29	Core v.5.2 or later | C.42	Core v.5.2 or later C.42: Mandatory IF LL 9/34 "Synchronized Receiver" is supported, otherwise Excluded.
☐	6/40	LE Terminate BIG command	[8] 7.8.105	Core v.5.2 or later | C.41	Core v.5.2 or later C.41: Mandatory IF LL 9/33 "Isochronous Broadcaster" is supported, otherwise Excluded.
☐	6/41	LE BIG Sync Lost event	[8] 7.7.65.30	Core v.5.2 or later | C.42	Core v.5.2 or later C.42: Mandatory IF LL 9/34 "Synchronized Receiver" is supported, otherwise Excluded.
☐	6/42	LE BIG Terminate Sync command	[8] 7.8.107	Core v.5.2 or later | C.42	Core v.5.2 or later C.42: Mandatory IF LL 9/34 "Synchronized Receiver" is supported, otherwise Excluded.
☐	6/43	LE Terminate BIG Complete event	[8] 7.7.65.28	Core v.5.2 or later | C.41	Core v.5.2 or later C.41: Mandatory IF LL 9/33 "Isochronous Broadcaster" is supported, otherwise Excluded.
☐	6/44	LE BIGInfo Advertising Report event	[8] 7.7.65.34	Core v.5.2 or later | C.54	Core v.5.2 or later C.54: Mandatory IF LL 9/34 "Synchronized Receiver" is supported, otherwise Optional.

Capability Statement

Table 7: -

Support	Item	Capability	Reference	Status	Comment

☑	7/5	Disconnect command	[1] 7.1.6	C.3a	C.3a: Mandatory IF HCI 1a/1 "BR/EDR" OR HCI 1a/3 "AMP" OR LL 1/4 "Slave Role" OR LL 1/5 "Master Role" is supported, otherwise Excluded.
☑	7/23	LE Create Connection command	[1] 7.8.12	C.3	C.3: Mandatory IF LL 1/4 "Slave Role" OR LL 1/5 "Master Role" is supported, otherwise Excluded.
☑	7/24	LE Create Connection Cancel command	[1] 7.8.13	C.3	C.3: Mandatory IF LL 1/4 "Slave Role" OR LL 1/5 "Master Role" is supported, otherwise Excluded.
☑	7/25	LE Connection Complete event	[1] 7.7.65.1	C.3	C.3: Mandatory IF LL 1/4 "Slave Role" OR LL 1/5 "Master Role" is supported, otherwise Excluded.
☑	7/26	Disconnection Complete event	[1] 7.7.5	C.3a	C.3a: Mandatory IF HCI 1a/1 "BR/EDR" OR HCI 1a/3 "AMP" OR LL 1/4 "Slave Role" OR LL 1/5 "Master Role" is supported, otherwise Excluded.
☑	7/27	LE Connection Update command	[1] 7.8.18	C.3	C.3: Mandatory IF LL 1/4 "Slave Role" OR LL 1/5 "Master Role" is supported, otherwise Excluded.
☑	7/28	LE Connection Update Complete event	[1] 7.7.65.3	C.3	C.3: Mandatory IF LL 1/4 "Slave Role" OR LL 1/5 "Master Role" is supported, otherwise Excluded.
☐	7/35	LE Remote Connection Parameter Request Reply command	[1] 7.8.31	C.6	C.6: Mandatory IF LL 9/3 "Connection Parameters Request procedure" is supported, otherwise Excluded.

☐	7/36	LE Remote Connection Parameter Request Negative Reply command	[1] 7.8.32	C.6	C.6: Mandatory IF LL 9/3 "Connection Parameters Request procedure" is supported, otherwise Excluded.
☐	7/37	LE Remote Connection Parameter Request event	[1] 7.7.65.6	C.6	C.6: Mandatory IF LL 9/3 "Connection Parameters Request procedure" is supported, otherwise Excluded.
☐	7/38	LE Enhanced Connection Complete event	[1] 7.7.65.10	C.24	C.24: Mandatory IF (LL 1/4 "Slave Role" OR LL 1/5 "Master Role") AND (LL 9/13 "LL Privacy" OR LL 5/4 "Request Connection Using Extended Advertising") is supported, otherwise Optional IF LL 1/4 "Slave Role" OR LL 1/5 "Master Role" is supported, otherwise Excluded.
☐	7/39	LE Read Peer Resolvable Address command	[1] 7.8.42	C.10	C.10: Optional IF LL 9/13 "LL Privacy" is supported, otherwise Excluded.
☐	7/40	LE Read Local Resolvable Address command	[1] 7.8.43	C.10	C.10: Optional IF LL 9/13 "LL Privacy" is supported, otherwise Excluded.
☐	7/41	LE Extended Create Connection command	[5] 7.8.66	Core v.5.0 or later | C.20	Core v.5.0 or later C.20: Mandatory IF LL 5/4 "Request Connection Using Extended Advertising" is supported, otherwise Excluded.
☐	7/42	LE Channel Selection Algorithm event	[5] 7.7.65.20	Core v.5.0 or later | C.23	Core v.5.0 or later C.23: Mandatory IF LL 9/10 "Channel Selection Algorithm #2" is supported, otherwise Excluded.
☐	7/43	LE Set Privacy Mode command	[1] 7.8.77	Core v.5.0 or later | C.9	Core v.5.0 or later C.9: Mandatory IF LL 9/13 "LL Privacy" is supported, otherwise Excluded.

Capability Statement

Table 8: -

Support	Item	Capability	Reference	Status	Comment
☑	8/5b	Read Remote Version Information command on LE	[1] 7.1.23	C.3	C.3: Mandatory IF LL 1/4 "Slave Role" OR LL 1/5 "Master Role" is supported, otherwise Excluded.
☑	8/6	LE Read Remote Features command	[1] 7.8.21	C.3	C.3: Mandatory IF LL 1/4 "Slave Role" OR LL 1/5 "Master Role" is supported, otherwise Excluded.
☑	8/7	LE Read Remote Features Complete event	[1] 7.7.65.4	C.3	C.3: Mandatory IF LL 1/4 "Slave Role" OR LL 1/5 "Master Role" is supported, otherwise Excluded.
☑	8/8b	Read Remote Version Information Complete event on LE	[1] 7.7.12	C.3	C.3: Mandatory IF LL 1/4 "Slave Role" OR LL 1/5 "Master Role" is supported, otherwise Excluded.
☐	8/9	LE Connectionless IQ Report event	[5] 7.7.65.21	Core v.5.1 or later | C.28	Core v.5.1 or later C.28: Mandatory IF LL 9/17 "Connectionless CTE Receiver" is supported, otherwise Excluded.
☐	8/10	LE Read Remote Transmit Power Level command	[8] 7.8.118	Core v.5.2 or later | C.51	Core v.5.2 or later C.51: Mandatory IF LL 9/37 "LE Power Control Request" is supported, otherwise Excluded.

Capability Statement

Table 10: -

Support	Item	Capability	Reference	Status	Comment
☐	10/12	LE Set Data Length command	[4] 7.8.33	C.8	C.8: Mandatory IF LL 9/6 "LE Data Packet Length Extension" is supported, otherwise Optional.

☐	10/13	LE Data Length Change event	[4] 7.7.65.7	C.8	C.8: Mandatory IF LL 9/6 "LE Data Packet Length Extension" is supported, otherwise Optional.
☐	10/14	LE Read Suggested Default Data Length command	[4] 7.8.34	C.8	C.8: Mandatory IF LL 9/6 "LE Data Packet Length Extension" is supported, otherwise Optional.
☐	10/15	LE Write Suggested Default Data Length command	[4] 7.8.35	C.8	C.8: Mandatory IF LL 9/6 "LE Data Packet Length Extension" is supported, otherwise Optional.
☐	10/16	LE Read Maximum Data Length command	[4] 7.8.46	C.8	C.8: Mandatory IF LL 9/6 "LE Data Packet Length Extension" is supported, otherwise Optional.
☐	10/18	LE Set Connection CTE Receive Parameters command	[5] 7.8.83	Core v.5.1 or later | C.25	Core v.5.1 or later C.25: Mandatory IF LL 9/14 "Connection CTE Request" is supported, otherwise Excluded.
☐	10/19	LE Set Connection CTE Transmit Parameters command	[5] 7.8.84	Core v.5.1 or later | C.26	Core v.5.1 or later C.26: Mandatory IF LL 9/15 "Connection CTE Response" is supported, otherwise Excluded.
☐	10/20	LE Connection CTE Request Enable command	[5] 7.8.85	Core v.5.1 or later | C.25	Core v.5.1 or later C.25: Mandatory IF LL 9/14 "Connection CTE Request" is supported, otherwise Excluded.
☐	10/21	LE Connection CTE Response Enable command	[5] 7.8.86	Core v.5.1 or later | C.26	Core v.5.1 or later C.26: Mandatory IF LL 9/15 "Connection CTE Response" is supported, otherwise Excluded.
☐	10/22	LE Connection IQ Report event	[5] 7.7.65.22	Core v.5.1 or later | C.25	Core v.5.1 or later C.25: Mandatory IF LL 9/14 "Connection CTE Request" is supported, otherwise Excluded.

☐	10/23	LE CTE Request Failed event	[5] 7.7.65.23	Core v.5.1 or later | C.25	Core v.5.1 or later C.25: Mandatory IF LL 9/14 "Connection CTE Request" is supported, otherwise Excluded.
☐	10/24	LE Periodic Advertising Sync Transfer command	[6] 7.8.89	Core v.5.1 or later | C.33	Core v.5.1 or later C.33: Mandatory IF LL 9/26 "Periodic Advertising Sync Transfer – Sender" AND LL 1/2 "Scanning State" are supported, otherwise Excluded.
☐	10/25	LE Periodic Advertising Set Info Transfer command	[6] 7.8.90	Core v.5.1 or later | C.34	Core v.5.1 or later C.34: Mandatory IF LL 9/26 "Periodic Advertising Sync Transfer – Sender" AND LL 1/1 "Advertising State" are supported, otherwise Excluded.
☐	10/26	LE Periodic Advertising Sync Transfer Received event	[6] 7.7.65.24	Core v.5.1 or later | C.35	Core v.5.1 or later C.35: Mandatory IF LL 9/27 "Periodic Advertising Sync Transfer – Recipient" is supported, otherwise Excluded.
☐	10/27	LE Set Periodic Advertising Sync Transfer Parameters command	[6] 7.8.91	Core v.5.1 or later | C.35	Core v.5.1 or later C.35: Mandatory IF LL 9/27 "Periodic Advertising Sync Transfer – Recipient" is supported, otherwise Excluded.
☐	10/28	LE Set Default Periodic Advertising Sync Transfer Parameters command	[6] 7.8.92	Core v.5.1 or later | C.35	Core v.5.1 or later C.35: Mandatory IF LL 9/27 "Periodic Advertising Sync Transfer – Recipient" is supported, otherwise Excluded.
☐	10/29	LE Modify Sleep Clock Accuracy command	[6] 7.8.94	Core v.5.1 or later | C.37	Core v.5.1 or later C.37: Mandatory IF LL 9/40 "Can Change Sleep Clock Accuracy" is supported, otherwise Excluded.
☐	10/30	LE Create CIS command	[8] 7.8.99	Core v.5.2 or later | C.39	Core v.5.2 or later C.39: Mandatory IF LL 9/31 "Connected Isochronous Stream Master" is supported, otherwise Excluded.

Support	Item	Capability	Reference	Status	Comment
☐	10/31	LE CIS Established event	[8] 7.7.65.25	Core v.5.2 or later | C.38	Core v.5.2 or later C.38: Mandatory IF LL 9/31 "Connected Isochronous Stream Master" OR LL 9/32 "Connected Isochronous Slave" is supported, otherwise Excluded.
☐	10/32	LE CIS Request event	[8] 7.7.65.26	Core v.5.2 or later | C.40	Core v.5.2 or later C.40: Mandatory IF LL 9/32 "Connected Isochronous Stream Slave" is supported, otherwise Excluded.
☐	10/33	LE Accept CIS Request command	[8] 7.8.101	Core v.5.2 or later | C.40	Core v.5.2 or later C.40: Mandatory IF LL 9/32 "Connected Isochronous Stream Slave" is supported, otherwise Excluded.
☐	10/34	LE Reject CIS Request command	[8] 7.8.102	Core v.5.2 or later | C.40	Core v.5.2 or later C.40: Mandatory IF LL 9/32 "Connected Isochronous Stream Slave" is supported, otherwise Excluded.

Capability Statement

Table 13: -

Support	Item	Capability	Reference	Status	Comment
☑	13/8	LE Set Host Channel Classification command	[1] 7.8.19	C.36	C.36: Mandatory IF LL 1/4 "Slave Role" OR LL 1/5 "Master Role" is supported, otherwise Optional IF LL 3/9 "Extended Advertising" OR LL 9/33 (Isochronous Broadcaster) is supported, otherwise Excluded.
☐	13/9	LE Read PHY command	[5] 7.8.47	Core v.5.0 or later | C.11	Core v.5.0 or later C.11: Mandatory IF LL 9/6a "Multiple PHYs" is supported, otherwise Optional.

Support	Item	Capability	Reference	Status	Comment
☐	13/10	LE Set Default PHY command	[5] 7.8.48	Core v.5.0 or later | C.11	Core v.5.0 or later C.11: Mandatory IF LL 9/6a "Multiple PHYs" is supported, otherwise Optional.
☐	13/11	LE Set PHY command	[5] 7.8.49	Core v.5.0 or later | C.11	Core v.5.0 or later C.11: Mandatory IF LL 9/6a "Multiple PHYs" is supported, otherwise Optional.
☐	13/12	LE PHY Update Complete event	[5] 7.7.65.12	Core v.5.0 or later | C.11	Core v.5.0 or later C.11: Mandatory IF LL 9/6a "Multiple PHYs" is supported, otherwise Optional.

Capability Statement

Table 14: -

Support	Item	Capability	Reference	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" is supported, otherwise Excluded.
☑	14/2	Set Event Mask command	[1] 7.3.1	M	
☑	14/4	Set Controller to Host Flow Control command	[1] 7.3.38	C.96a	C.96a: Optional IF HCI 1a/1 "BR/EDR" OR HCI 1a/3 "AMP" OR LL 1/4 "Slave Role" OR LL 1/5 "Master Role" is supported, 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" is supported, 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" OR HCI 1a/3 "AMP" OR LL 1/4 "Slave Role" OR LL 1/5 "Master Role" is supported, otherwise Excluded.
☑	14/13	Data Buffer Overflow event	[1] 7.7.26	O	
☑	14/14	LE Set Event Mask command	[1] 7.8.1	M	
☑	14/15	Read LE Host Support command	[1] 7.3.78	C.116	C.116: Mandatory IF HCI 14/16 "Write LE Host Support command" is supported, otherwise Excluded.
☑	14/16	Write LE Host Support command	[1] 7.3.79	C.153a	C.153a: Mandatory IF HCI 1a/1 "BR/EDR" AND HCI 1a/4 "LE" is supported, otherwise Optional.
☐	14/17	LE Add Device To Periodic Advertiser List command	[5] 7.8.70	Core v.5.0 or later | C.21	Core v.5.0 or later C.21: Mandatory IF LL 11/1 "Synchronizing to Periodic Advertising" is supported, otherwise Excluded.
☐	14/18	LE Remove Device From Periodic Advertiser List command	[5] 7.8.71	Core v.5.0 or later | C.21	Core v.5.0 or later C.21: Mandatory IF LL 11/1 "Synchronizing to Periodic Advertising" is supported, otherwise Excluded.
☐	14/19	LE Clear Periodic Advertiser List command	[5] 7.8.72	Core v.5.0 or later | C.21	Core v.5.0 or later C.21: Mandatory IF LL 11/1 "Synchronizing to Periodic Advertising" is supported, otherwise Excluded.
☐	14/20	LE Read Periodic Advertiser List Size command	[5] 7.8.73	Core v.5.0 or later | C.21	Core v.5.0 or later C.21: Mandatory IF LL 11/1 "Synchronizing to Periodic Advertising" is supported, otherwise Excluded.

Capability Statement

Table 15: -

Support	Item	Capability	Reference	Status	Comment
☑	15/2c	Read Transmit Power Level command on LE	[1] 7.3.35	C.3	C.3: Mandatory IF LL 1/4 "Slave Role" OR LL 1/5 "Master Role" is supported, otherwise Excluded.
☑	15/4c	Read RSSI command on LE	[1] 7.5.4	C.3	C.3: Mandatory IF LL 1/4 "Slave Role" OR LL 1/5 "Master Role" is supported, otherwise Excluded.
☑	15/8	LE Read Channel Map command	[1] 7.8.20	C.3	C.3: Mandatory IF LL 1/4 "Slave Role" OR LL 1/5 "Master Role" is supported, otherwise Excluded.
☐	15/9	LE Read ISO Link Quality command	[8] 7.8.116	Core v.5.2 or later | C.50	Core v.5.2 or later C.50: Optional IF LL 9/31 "Connected Isochronous Stream Master" OR LL 9/32 "Connected Isochronous Stream Slave" OR LL 9/34 "Synchronized Receiver" is supported, otherwise Excluded.

Capability Statement

Table 16: -

Support	Item	Capability	Reference	Status	Comment
☐	16/18	Create New Unit Key command	[1] 7.3.7	Core v.5.0 or earlier | O	Core v.5.0 or earlier
☑	16/32	LE Encrypt command	[1] 7.8.22	C.4	C.4: Mandatory IF LL 9/1 "LE Encryption" is supported, otherwise Excluded.
☑	16/33	LE Rand command	[1] 7.8.23	C.4	C.4: Mandatory IF LL 9/1 "LE Encryption" is supported, otherwise Excluded.
☑	16/34	LE Long Term Key Request Reply command	[1] 7.8.25	C.4	C.4: Mandatory IF LL 9/1 "LE Encryption" is supported, otherwise Excluded.

☑	16/35	LE Enable Encryption command	[1] 7.8.24	C.4	C.4: Mandatory IF LL 9/1 "LE Encryption" is supported, otherwise Excluded.
☑	16/36	LE Long Term Key Request event	[1] 7.7.65.5	C.4	C.4: Mandatory IF LL 9/1 "LE Encryption" is supported, otherwise Excluded.
☑	16/37b	Encryption Change event on LE	[1] 7.7.8	C.4	C.4: Mandatory IF LL 9/1 "LE Encryption" is supported, otherwise Excluded.
☑	16/38b	Encryption Key Refresh Complete event on LE	[1] 7.7.39	C.4	C.4: Mandatory IF LL 9/1 "LE Encryption" is supported, otherwise Excluded.
☑	16/39	LE Long Term Key Request Negative Reply command	[1] 7.8.26	C.4	C.4: Mandatory IF LL 9/1 "LE Encryption" is supported, otherwise Excluded.
☐	16/46b	Authenticated Payload Timeout Expired event on LE	[4] 7.7.75	C.155b	C.155b: Mandatory IF HCI 16/48b "Write Authenticated Payload Timeout on LE" is supported, otherwise Optional.
☐	16/47b	Read Authenticated Payload Timeout command on LE	[4] 7.3.93	C.155b	C.155b: Mandatory IF HCI 16/48b "Write Authenticated Payload Timeout on LE" is supported, otherwise Optional.
☐	16/48b	Write Authenticated Payload Timeout command on LE	[4] 7.3.94	C.7	C.7: Mandatory IF LL 9/1 "LE Encryption" and LL 9/2 "LE Ping procedure" are supported, otherwise Excluded.
☐	16/50	LE Read Local P-256 Public Key command	[4] 7.8.36	O	
☐	16/51	LE Generate DHKey command [v1]	[4] 7.8.37	C.99	C.99: Mandatory IF HCI 16/51a "LE Generate DHKey command [v2]" is supported, otherwise Optional.

☐	16/51a	LE Generate DHKey command [v2]	[6] 7.8.37	Core v.5.0 or later | O	Core v.5.0 or later
☐	16/52	LE Read Local P-256 Public Key Complete event	[4] 7.7.65.8	O	
☐	16/53	LE Generate DHKey Complete event	[4] 7.7.65.9	O	

Capability Statement

Table 17: -

Support	Item	Capability	Reference	Status	Comment
☑	17/7	LE Receiver Test command [v1]	[1] 7.8.28	C.2	C.2: Mandatory IF RF PHY 1/2 "LE Receiver" OR RF PHY 1/3 "LE Transceiver" is supported, otherwise Excluded.
☑	17/8	LE Transmitter Test command [v1]	[1] 7.8.29	C.1	C.1: Mandatory IF RF PHY 1/1 "LE Transmitter" OR RF PHY 1/3 "LE Transceiver" is supported, otherwise Excluded.
☑	17/9	LE Test End command	[1] 7.8.30	M	
☐	17/10	LE Receiver Test command [v2]	[5] 7.8.28	Core v.5.0 or later | C.13	Core v.5.0 or later C.13: Mandatory IF LL 9/6a "Multiple PHYs" OR RF PHY 1/6 "Stable Modulation Index – Receiver" OR HCI 17/12 "LE Receiver Test command [v3]" is supported, otherwise Optional IF RF PHY 1/2 "LE Receiver" OR RF PHY 1/3 "LE Transceiver" is supported, otherwise Excluded.

☐	17/11	LE Transmitter Test command [v2]	[5] 7.8.29	Core v.5.0 or later | C.12	Core v.5.0 or later C.12: Mandatory IF LL 9/6a "Multiple PHYs" OR RF PHY 1/5 "Stable Modulation Index – Transmitter" OR HCI 17/13 "LE Transmitter Test command [v3]" is supported, otherwise Optional IF RF PHY 1/1 "LE Transmitter" OR RF PHY 1/3 "LE Transceiver" is supported, otherwise Excluded.
☐	17/12	LE Receiver Test command [v3]	[6] 7.8.28	Core v.5.1 or later | C.30	Core v.5.1 or later C.30: Mandatory IF LL 9/14 "Connection CTE Request" OR LL 9/17 "Connectionless CTE Receiver" is supported, otherwise Optional IF RF PHY 1/2 "LE Receiver" OR RF PHY 1/3 "LE Transceiver" is supported, otherwise Excluded.
☐	17/13	LE Transmitter Test command [v3]	[6] 7.8.29	Core v.5.1 or later | C.29	Core v.5.1 or later C.29: Mandatory IF LL 9/15 "Connection CTE Response" OR LL 9/16 "Connectionless CTE Transmitter" OR HCI 17/18 "LE Transmitter Test command [v4]" is supported, otherwise Optional IF RF PHY 1/1 "LE Transmitter" OR RF PHY 1/3 "LE Transceiver" is supported, otherwise Excluded.
☐	17/14	LE ISO Transmit Test command	[8] 7.8.111	Core v.5.2 or later | C.45	Core v.5.2 or later C.45: Mandatory IF LL 9/31 "Connected Isochronous Stream Master" OR LL 9/32 "Connected Isochronous Stream – Slave" OR LL 9/33 "Isochronous Broadcaster" is supported, otherwise Excluded.

Support	Item	Capability	Reference	Status	Comment
☐	17/15	LE ISO Receive Test command	[8] 7.8.112	Core v.5.2 or later | C.46	Core v.5.2 or later C.46: Mandatory IF LL 9/31 "Connected Isochronous Stream – Master" OR LL 9/32 "Connected Isochronous Stream – Slave" OR LL 9/34 "Synchronized Receiver" is supported, otherwise Excluded.
☐	17/16	LE ISO Read Test Counters command	[8] 7.8.113	Core v.5.2 or later | C.46	Core v.5.2 or later C.46: Mandatory IF LL 9/31 "Connected Isochronous Stream – Master" OR LL 9/32 "Connected Isochronous Stream – Slave" OR LL 9/34 "Synchronized Receiver" is supported, otherwise Excluded.
☐	17/17	LE ISO Test End command	[8] 7.8.114	Core v.5.2 or later | C.47	Core v.5.2 or later C.47: Mandatory IF LL 9/31 "Connected Isochronous Stream Master" OR LL 9/32 "Connected Isochronous Stream – Slave" OR LL 9/33 "Isochronous Broadcaster" OR LL 9/34 "Synchronized Receiver" is supported, otherwise Excluded.
☐	17/18	LE Transmitter Test command [v4]	[8] 7.8.29	Core v.5.2 or later | C.53	Core v.5.2 or later C.53: Mandatory IF LL 9/37 "LE Power Control Request" is supported, otherwise Optional IF RF PHY 1/1 "LE Transmitter" OR RF PHY 1/3 "LE Transceiver" is supported, otherwise Excluded.

Capability Statement

Table 20: -

Support	Item	Capability	Reference	Status	Comment
☐	20/1	LE Create BIG command	[8] 7.8.103	Core v.5.2 or later | C.41	Core v.5.2 or later C.41: Mandatory IF LL 9/33 "Isochronous Broadcaster" is supported, otherwise Excluded.

☐	20/2	LE Create BIG Test command	[8] 7.8.104	Core v.5.2 or later | C.41	Core v.5.2 or later C.41: Mandatory IF LL 9/33 "Isochronous Broadcaster" is supported, otherwise Excluded.
☐	20/3	LE Create BIG Complete event	[8] 7.7.65.27	Core v.5.2 or later | C.41	Core v.5.2 or later C.41: Mandatory IF LL 9/33 "Isochronous Broadcaster" is supported, otherwise Excluded.
☐	20/4	Isochronous data over HCI	[8] 5.4.5	Core v.5.2 or later | O	Core v.5.2 or later
☐	20/5	LE Set Host Feature command	[8] 7.8.115	Core v.5.2 or later | C.49	Core v.5.2 or later C.49: Mandatory IF LL 9/31 (Connected Isochronous Stream Master) OR LL 9/32 (Connected Isochronous Stream Slave) is supported, otherwise Optional.

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