Core Configurations (CORE)

Bluetooth® Implementation Conformance Statement (ICS) Proforma

- **Revision:** CORE.ICS.p5 edition 2
- **Revision Date:** 2026-05-05
- **Prepared By:** BTI
- **Published during TCRL:** TCRL.pkg103

Contents

1 General principles

1.1 Implementation Under Test (IUT) identification

Using the Bluetooth SIG qualification tool, the implementer is expected to declare details about what will be implemented.

1.2 Auto-fill tables

This ICS includes one or more tables that are defined as auto-fill tables. Auto-fill tables are defined to allow for less-complex conditions within other tables. Auto-fill tables are distinguished from regular ICS tables by the addition of “(auto-fill)” after the table number, prior to the colon “:”.

An auto-fill table is automatically populated based on selected capabilities elsewhere in the ICS. The populated settings in the auto-fill table are not user editable.

1.3 Enforcement of inter-layer dependencies

This ICS includes one or more tables with inter-layer dependencies (ILDs). ILDs are used for specification requirements that are dependent on other supporting specifications. ILDs can refer to an individual ICS item in a separate layer (individual ILD), or it can refer to the full layer (full-layer ILD).

ILDs residing in an X2Core layer will be enforced from the Bluetooth SIG qualification tool in the following conditions, depending on where the referred ILD is residing:

Referred ILD resides in	Individual ILD	Full-layer ILD
Controller layer	Core-Complete configuration, or Referred layer is supported	N/A
Lower HCI layer	HCI is supported	N/A
Upper HCI layer	Core-Host configuration, or UHCI is supported	N/A
Host layer	Core-Host configuration, or Core-Complete configuration, or Referred layer is supported	N/A
X2Core layer	Core-Host configuration, or Core-Complete configuration, or Referred layer is supported	Core-Host configuration, or Core-Complete configuration

Table 1.1: Enforcement of an ILD within the Bluetooth SIG qualification tool

2 ICS declarations

2.1 Versions

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 "BR/EDR Radio Physical Layer (RF)" OR CORE 10/10 "Isochronous Adaptation Layer (IAL)" OR CORE 10/11 "LE LL Security (LESEC)" OR CORE 10/12 "Link Layer (LL)" OR CORE 10/13 "LE Radio 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	Feature	Reference	Status
1	Controller Core any version	N/A	M
42	Controller Core v4.2	[1]	C.1, C.3
50	Controller Core v5.0	[2]	C.1, C.2
51	Controller Core v5.1	[3]	C.1
52	Controller Core v5.2	[4]	C.1
53	Controller Core v5.3	[5]	C.1
54	Controller Core v5.4	[6]	C.1
60	Controller Core v6.0	[28]	C.1
61	Controller Core v6.1	[30]	C.1
62	Controller Core v6.2	[31]	C.1
63	Controller Core v6.3	[33]	C.1

C.1: Mandatory to support one and only one.

C.2: Deprecated 2027-02-01. Withdrawn 2032-02-01.

C.3: Deprecated 2026-02-01. Withdrawn 2031-02-01.

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

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

Item	Feature	Reference	Status
50	Controller Core v5.0 or later	N/A	C.1
51	Controller Core v5.1 or later	N/A	C.2
52	Controller Core v5.2 or later	N/A	C.3
53	Controller Core v5.3 or later	N/A	C.4
54	Controller Core v5.4 or later	N/A	C.5
60	Controller Core v6.0 or later	N/A	C.6
61	Controller Core v6.1 or later	N/A	C.7
62	Controller Core v6.2 or later	N/A	C.8
63	Controller Core v6.3 or later	N/A	C.9

C.1: Excluded IF CORE 1/42 "Controller Core v4.2", otherwise Mandatory.

C.2: Excluded IF CORE 1/42 "Controller Core v4.2" OR CORE 1/50 "Controller Core v5.0", otherwise Mandatory.

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.

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.

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.

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.

C.7: 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” OR CORE 1/60 “Controller Core v6.0”, otherwise Mandatory.

C.8: 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” OR CORE 1/60 “Controller Core v6.0” OR CORE 1/61 “Controller Core v6.1”, otherwise Mandatory.

C.9: 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” OR CORE 1/60 “Controller Core v6.0” OR CORE 1/61 “Controller Core v6.1” OR CORE 1/62 “Controller Core v6.2”, otherwise Mandatory.

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

Prerequisite: CORE 1/1 “Controller Core any version”

Item	Feature	Reference	Status
50	Controller Core v5.0 or earlier	N/A	C.1
51	Controller Core v5.1 or earlier	N/A	C.2
52	Controller Core v5.2 or earlier	N/A	C.3
53	Controller Core v5.3 or earlier	N/A	C.4
54	Controller Core v5.4 or earlier	N/A	C.5
60	Controller Core v6.0 or earlier	N/A	C.6
61	Controller Core v6.1 or earlier	N/A	C.7
62	Controller Core v6.2 or earlier	N/A	C.8
63	Controller Core v6.3 or earlier	N/A	C.9

C.1: Mandatory IF CORE 1/42 “Controller Core v4.2” OR CORE 1/50 “Controller Core v5.0”, otherwise Excluded.

C.2: 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”, otherwise Excluded.

C.3: 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”, otherwise Excluded.

C.4: 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”, otherwise Excluded.

C.5: 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”, otherwise Excluded.

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.

C.7: 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” OR CORE 1/61 “Controller Core v6.1”, otherwise Excluded.

C.8: 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” OR CORE 1/61 “Controller Core v6.1” OR CORE 1/62 “Controller Core v6.2”, otherwise Excluded.

C.9: 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” OR CORE 1/61 “Controller Core v6.1” OR CORE 1/62 “Controller Core v6.2” OR CORE 1/63 “Controller Core v6.3”, otherwise Excluded.

Table 1c: Controller Core Addenda and Errata

Item	Feature	Reference	Status
1	Core Specification Addendum 5	[7]	C.1

C.1: Deprecated 2026-02-01. Withdrawn 2031-02-01.

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	Feature	Reference	Status
1	Host Core any version	N/A	M
42	Host Core v4.2	[1]	C.1, C.3
50	Host Core v5.0	[2]	C.1, C.2
51	Host Core v5.1	[3]	C.1
52	Host Core v5.2	[4]	C.1
53	Host Core v5.3	[5]	C.1

Item	Feature	Reference	Status
54	Host Core v5.4	[6]	C.1
60	Host Core v6.0	[28]	C.1
61	Host Core v6.1	[30]	C.1
62	Host Core v6.2	[31]	C.1
63	Host Core v6.3	[33]	C.1

C.1: Mandatory to support one and only one.

C.2: Deprecated 2027-02-01. Withdrawn 2032-02-01.

C.3: Deprecated 2026-02-01. Withdrawn 2031-02-01.

Table 2a (auto-fill): Host Core Specification X.Y Versions or Later

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

Item	Feature	Reference	Status
50	Host Core v5.0 or later	N/A	C.1
51	Host Core v5.1 or later	N/A	C.2
52	Host Core v5.2 or later	N/A	C.3
53	Host Core v5.3 or later	N/A	C.4
54	Host Core v5.4 or later	N/A	C.5
60	Host Core v6.0 or later	N/A	C.6
61	Host Core v6.1 or later	N/A	C.7
62	Host Core v6.2 or later	N/A	C.8
63	Host Core v6.3 or later	N/A	C.9

C.1: Excluded IF CORE 2/42 "Host Core v4.2", otherwise Mandatory.

C.2: Excluded IF CORE 2/42 "Host Core v4.2" OR CORE 2/50 "Host Core v5.0", otherwise Mandatory.

C.3: Excluded IF CORE 2/42 "Host Core v4.2" OR CORE 2/50 "Host Core v5.0" OR CORE 2/51 "Host Core v5.1", otherwise Mandatory.

C.4: Excluded IF CORE 2/42 "Host Core v4.2" OR CORE 2/50 "Host Core v5.0" OR CORE 2/51 "Host Core v5.1" OR CORE 2/52 "Host Core v5.2", otherwise Mandatory.

C.5: Excluded IF CORE 2/42 "Host Core v4.2" OR CORE 2/50 "Host Core v5.0" OR CORE 2/51 "Host Core v5.1" OR CORE 2/52 "Host Core v5.2" OR CORE 2/53 "Host Core v5.3", otherwise Mandatory.

C.6: Excluded IF CORE 2/42 "Host Core v4.2" OR CORE 2/50 "Host Core v5.0" OR CORE 2/51 "Host Core v5.1" OR CORE 2/52 "Host Core v5.2" OR CORE 2/53 "Host Core v5.3" OR CORE 2/54 "Host Core v5.4", otherwise Mandatory.

C.7: Excluded IF CORE 2/42 "Host Core v4.2" OR CORE 2/50 "Host Core v5.0" OR CORE 2/51 "Host Core v5.1" OR CORE 2/52 "Host Core v5.2" OR CORE 2/53 "Host Core v5.3" OR CORE 2/54 "Host Core v5.4" OR CORE 2/60 "Host Core v6.0", otherwise Mandatory.

C.8: Excluded IF CORE 2/42 "Host Core v4.2" OR CORE 2/50 "Host Core v5.0" OR CORE 2/51 "Host Core v5.1" OR CORE 2/52 "Host Core v5.2" OR CORE 2/53 "Host Core v5.3" OR CORE 2/54 "Host Core v5.4" OR CORE 2/60 "Host Core v6.0" OR CORE 2/61 "Host Core v6.1", otherwise Mandatory.

C.9: Excluded IF CORE 2/42 "Host Core v4.2" OR CORE 2/50 "Host Core v5.0" OR CORE 2/51 "Host Core v5.1" OR CORE 2/52 "Host Core v5.2" OR CORE 2/53 "Host Core v5.3" OR CORE 2/54 "Host Core v5.4" OR CORE 2/60 "Host Core v6.0" OR CORE 2/61 "Host Core v6.1" OR CORE 2/62 "Host Core v6.2", otherwise Mandatory.

Table 2b (auto-fill): Host Core Specification X.Y Versions or Earlier

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

Item	Feature	Reference	Status
50	Host Core v5.0 or earlier	N/A	C.1
51	Host Core v5.1 or earlier	N/A	C.2
52	Host Core v5.2 or earlier	N/A	C.3
53	Host Core v5.3 or earlier	N/A	C.4
54	Host Core v5.4 or earlier	N/A	C.5
60	Host Core v6.0 or earlier	N/A	C.6
61	Host Core v6.1 or earlier	N/A	C.7
62	Host Core v6.2 or earlier	N/A	C.8
63	Host Core v6.3 or earlier	N/A	C.9

C.1: Mandatory IF CORE 2/42 "Host Core v4.2" OR CORE 2/50 "Host Core v5.0", otherwise Excluded.

C.2: Mandatory IF CORE 2/42 "Host Core v4.2" OR CORE 2/50 "Host Core v5.0" OR CORE 2/51 "Host Core v5.1", otherwise Excluded.

C.3: Mandatory IF CORE 2/42 "Host Core v4.2" OR CORE 2/50 "Host Core v5.0" OR CORE 2/51 "Host Core v5.1" OR CORE 2/52 "Host Core v5.2", otherwise Excluded.

C.4: Mandatory IF CORE 2/42 "Host Core v4.2" OR CORE 2/50 "Host Core v5.0" OR CORE 2/51 "Host Core v5.1" OR CORE 2/52 "Host Core v5.2" OR CORE 2/53 "Host Core v5.3", otherwise Excluded.

C.5: Mandatory IF CORE 2/42 "Host Core v4.2" OR CORE 2/50 "Host Core v5.0" OR CORE 2/51 "Host Core v5.1" OR CORE 2/52 "Host Core v5.2" OR CORE 2/53 "Host Core v5.3" OR CORE 2/54 "Host Core v5.4", otherwise Excluded.

C.6: Mandatory IF CORE 2/42 "Host Core v4.2" OR CORE 2/50 "Host Core v5.0" OR CORE 2/51 "Host Core v5.1" OR CORE 2/52 "Host Core v5.2" OR CORE 2/53 "Host Core v5.3" OR CORE 2/54 "Host Core v5.4" OR CORE 2/60 "Host Core v6.0", otherwise Excluded.

C.7: Mandatory IF CORE 2/42 "Host Core v4.2" OR CORE 2/50 "Host Core v5.0" OR CORE 2/51 "Host Core v5.1" OR CORE 2/52 "Host Core v5.2" OR CORE 2/53 "Host Core v5.3" OR CORE 2/54 "Host Core v5.4" OR CORE 2/60 "Host Core v6.0" OR CORE 2/61 "Host Core v6.1", otherwise Excluded.

C.8: Mandatory IF CORE 2/42 "Host Core v4.2" OR CORE 2/50 "Host Core v5.0" OR CORE 2/51 "Host Core v5.1" OR CORE 2/52 "Host Core v5.2" OR CORE 2/53 "Host Core v5.3" OR CORE 2/54 "Host Core v5.4" OR CORE 2/60 "Host Core v6.0" OR CORE 2/61 "Host Core v6.1" OR CORE 2/62 "Host Core v6.2", otherwise Excluded.

C.9: Mandatory IF CORE 2/42 "Host Core v4.2" OR CORE 2/50 "Host Core v5.0" OR CORE 2/51 "Host Core v5.1" OR CORE 2/52 "Host Core v5.2" OR CORE 2/53 "Host Core v5.3" OR CORE 2/54 "Host Core v5.4" OR CORE 2/60 "Host Core v6.0" OR CORE 2/61 "Host Core v6.1" OR CORE 2/62 "Host Core v6.2" OR CORE 2/63 "Host Core v6.3", otherwise Excluded.

2.2 Core layer

Table 10: Controller Layer Requirements

Item	Feature	Reference	Status	Inter-Layer Dependency
1	BR/EDR Security (SEC)	[1] [2] [3] [4] [5] [6] [28] [30] Volume 2, Part H	O	[12] SEC

Item	Feature	Reference	Status	Inter-Layer Dependency
2	Link Manager Protocol (LMP)	[1] [2] [3] [4] [5] [6] [28] [30] Volume 2, Part C	O	[11] LMP
3	Baseband (BB)	[1] [2] [3] [4] [5] [6] [28] [30] Volume 2, Part B	O	[10] BB
4	BR/EDR Radio Physical Layer (RF)	[1] [2] [3] [4] [5] [6] [28] [30] Volume 2, Part A	O	[9] RF
10	Isochronous Adaptation Layer (IAL)	[4] [5] [6] [28] [30] Volume 6, Part G	C.2	[16] IAL
11	LE LL Security (LESEC)	[1] [2] [3] [4] [5] [6] [28] [30] Volume 6, Part E	C.1	[15] LESEC
12	Link Layer (LL)	[1] [2] [3] [4] [5] [6] [28] [30] Volume 6, Part B	O	[14] LL
13	LE Radio Physical Layer (RFPHY)	[1] [2] [3] [4] [5] [6] [28] [30] Volume 6, Part A	O	[13] RFPHY
14	Channel Sounding (CS)	[28] [30] Volume 6, Part H	C.4	[29] CS
20	PAL for 802.11 MAC/PHY (802.11 PAL)	[1] [2] [3] [4] Volume 5, Part A	C.3	[17] 80211PAL AND [18] 80211MP

C.1: Mandatory IF CORE 20a/2 “LE encryption”, otherwise Excluded.

C.2: Optional IF CORE 1a/52 “Controller Core v5.2 or later”, otherwise Excluded.

C.3: Optional IF CORE 1b/52 “Controller Core v5.2 or earlier”, otherwise Excluded.

C.4: Optional IF CORE 1a/60 “Controller Core v6.0 or later”, otherwise Excluded.

Table 11: Host Layer Requirements

Item	Feature	Reference	Status	Inter-Layer Dependency
1	Generic Attribute Profile (GATT)	[1] [2] [3] [4] [5] [6] [28] [30] Volume 3, Part G	O	[23] GATT
2	Attribute Protocol (ATT)	[1] [2] [3] [4] [5] [6] [28] [30] Volume 3, Part F	O	[22] ATT
3	Generic Access Profile (GAP)	[1] [2] [3] [4] [5] [6] [28] [30] Volume 3, Part C	O	[21] GAP
4	Service Discovery Protocol (SDP)	[1] [2] [3] [4] [5] [6] [28] [30] Volume 3, Part B	O	[20] SDP
5	Logical Link Control and Adaptation Protocol (L2CAP)	[1] [2] [3] [4] [5] [6] [28] [30] Volume 3, Part A	O	[19] L2CAP
6	Security Manager (SM)	[1] [2] [3] [4] [5] [6] [28] [30] Volume 3, Part H	O	[24] SM
20	AMP Manager Protocol (A2MP)	[1] [2] [3] [4] Volume 3, Part E	C.1	[25] A2MP

C.1: Optional IF CORE 2b/52 “Host Core v5.2 or earlier”, otherwise Excluded.

Table 12: HCI Layer Requirements

Item	Feature	Reference	Status	Inter-Layer Dependency
1	Host Controller Interface (HCI)	[1] [2] [3] Volume 2, Part E [4] [5] [6] [28] [30] Volume 4, Part E	O	N/A
2	Lower HCI role	[1] [2] [3] Volume 2, Part E [4] [5] [6] [28] [30] Volume 4, Part E	C.1, C.2	[26] HCI
3	Upper HCI role	[1] [2] [3] Volume 2, Part E [4] [5] [6] [28] [30] Volume 4, Part E	C.1, C.2	[27] UHCI

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	Feature	Reference	Status
1	HCI-UART	[1] [2] [3] [4] [5] [6] [28] [30] Volume 4, Part A	O
2	HCI-USB	[1] [2] [3] [4] [5] [6] [28] [30] Volume 4, Part B	O
3	HCI-SD	[1] [2] [3] [4] [5] [6] [28] [30] Volume 4, Part C	O
4	HCI-3W	[1] [2] [3] [4] [5] [6] [28] [30] Volume 4, Part D	O
5	DTM	[1] [2] [3] [4] [5] [6] [28] [30] Volume 6, Part F	O
6	MWS	[1] [2] [3] [4] [5] [6] [28] [30] Volume 7, Part A	O
7	WCI-1	[1] [2] [3] [4] [5] [6] [28] [30] Volume 7, Part B	O
8	WCI-2	[1] [2] [3] [4] [5] [6] [28] [30] Volume 7, Part C	O

2.3 Layer groupings

Table 20 (auto-fill): Core Layer Groupings (Excluding HCI)

Item	Feature	Reference	Status
1	BR/EDR Controller Layers	[8] 2.1.1	C.1
2	BR/EDR Host Layers	[8] 2.2.1	C.2
3	LE Controller Layers	[8] 2.1.2	C.3
4	LE Host Layers	[8] 2.2.2	C.4

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 “BR/EDR Radio Physical Layer (RF)”, otherwise Excluded.

C.2: Mandatory IF CORE 11/3 “Generic Access Profile (GAP)” AND CORE 11/4 “Service Discovery Protocol (SDP)” AND CORE 11/5 “Logical Link Control and Adaptation Protocol (L2CAP)” AND ((CORE 11/1 “Generic Attribute Profile (GATT)” AND CORE 11/2 “Attribute Protocol (ATT)”) OR (NOT CORE 11/1 “Generic Attribute Profile (GATT)” AND NOT CORE 11/2 “Attribute Protocol (ATT)”)), otherwise Excluded.

C.3: Mandatory IF CORE 10/12 “Link Layer (LL)” AND CORE 10/13 “LE Radio Physical Layer (RFPHY)” AND ((CORE 10/11 “LE LL Security (LESEC)” AND CORE 20a/2 “LE encryption”) OR (NOT CORE 10/11 “LE LL 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.

C.4: Mandatory IF CORE 11/3 “Generic Access Profile (GAP)” AND ((CORE 11/1 “Generic Attribute Profile (GATT)” AND CORE 11/2 “Attribute Protocol (ATT)” AND CORE 11/5 “Logical Link Control and Adaptation Protocol (L2CAP)” AND CORE 11/6 “Security Manager (SM)” AND CORE 20a/1 “LE connections”) OR (NOT CORE 11/1 “Generic Attribute Profile (GATT)” AND NOT CORE 11/2 “Attribute Protocol (ATT)” AND NOT CORE 11/5 “Logical Link Control and Adaptation Protocol (L2CAP)” AND NOT CORE 11/6 “Security Manager (SM)” AND NOT CORE 20a/1 “LE connections”)), otherwise Excluded.

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

Item	Feature	Reference	Status
1	LE connections	[8] 2.2.2	C.1
2	LE encryption	[8] 2.1.2	C.2
3	Isochronous channels	[8] 2.1.2	C.3
4	Channel Sounding	[8] 2.1.2	C.4

C.1: Mandatory IF GAP 5/4 “Central (LE)” OR GAP 28/1 “LE Transmitter (Central)”OR GAP 5/3 “Peripheral (LE)” OR GAP 18/1 “LE Transmitter (Peripheral)”, otherwise Excluded.

C.2: Mandatory IF LL 9/1 “LE Encryption”, otherwise Excluded.

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.

C.4: Mandatory IF LL 9/56 “Channel Sounding”, otherwise Excluded.

Note: GAP 28/1 and GAP 18/1 have been added in condition C.1 to enable older qualifications of BR/EDR/LE devices, after the removal of GAP Table 38.

2.4 Core configurations

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	Feature	Reference	Status
1	BR/EDR Core-Controller Configuration	[8] 2.1.1	C.1
2	LE Core-Controller Configuration	[8] 2.1.2	C.2
3	BR/EDR/LE Core-Controller Configuration	[8] 2.1.3	C.3
4	HS Core-Controller Configuration	[8] 2.1.4	C.4
5	HS/LE Core-Controller Configuration	[8] 2.1.5	C.5

C.1: Mandatory IF CORE 20/1 “BR/EDR Controller Layers” AND NOT CORE 20/3 “LE Controller Layers” AND NOT CORE 10/20 “PAL for 802.11 MAC/PHY (802.11 PAL)”, otherwise Excluded.

C.2: Mandatory IF CORE 20/3 “LE Controller Layers” AND NOT CORE 20/1 “BR/EDR Controller Layers”, otherwise Excluded.

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.

C.4: Mandatory IF CORE 20/1 “BR/EDR Controller Layers” AND CORE 10/20 “PAL for 802.11 MAC/PHY (802.11 PAL)” AND NOT CORE 20/3 “LE Controller Layers”, otherwise Excluded.

C.5: Mandatory IF CORE 20/1 “BR/EDR Controller Layers” AND CORE 20/3 “LE Controller Layers” AND 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 “BR/EDR Radio Physical Layer (RF)” OR CORE 10/10 “Isochronous Adaptation Layer (IAL)” OR CORE 10/11 “LE LL Security (LESEC)” OR CORE 10/12 “Link Layer (LL)” OR CORE 10/13 “LE Radio 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	Feature	Reference	Status
1	BR/EDR Core-Host Configuration	[8] 2.2.1	C.1
2	LE Core-Host Configuration	[8] 2.2.2	C.2
3	BR/EDR/LE Core-Host Configuration	[8] 2.2.3	C.3
4	HS Core-Host Configuration	[8] 2.2.4	C.4
5	HS/LE Core-Host Configuration	[8] 2.2.5	C.5

C.1: Mandatory IF CORE 20/2 “BR/EDR Host Layers” AND NOT CORE 20/4 “LE Host Layers” AND NOT CORE 11/20 “AMP Manager Protocol (A2MP)”, otherwise Excluded.

C.2: Mandatory IF CORE 20/4 “LE Host Layers” AND NOT CORE 20/2 “BR/EDR Host Layers”, otherwise Excluded.

C.3: Mandatory IF CORE 20/2 “BR/EDR Host Layers” AND CORE 20/4 “LE Host Layers” AND NOT CORE 11/20 “AMP Manager Protocol (A2MP)”, otherwise Excluded.

C.4: Mandatory IF CORE 20/2 “BR/EDR Host Layers” AND CORE 11/20 “AMP Manager Protocol (A2MP)” AND NOT CORE 20/4 “LE Host Layers”, otherwise Excluded.

C.5: Mandatory IF CORE 20/2 “BR/EDR Host Layers” AND CORE 20/4 “LE Host Layers” AND CORE 11/20 “AMP Manager Protocol (A2MP)”, otherwise Excluded.

Table 32 (auto-fill): Core-Complete Configurations

Item	Feature	Reference	Status
1	BR/EDR Core-Complete Configuration	[8] 2.3.1	C.1
2	LE Core-Complete Configuration	[8] 2.3.2	C.2
3	BR/EDR/LE Core-Complete Configuration	[8] 2.3.3	C.3
4	HS Core-Complete Configuration	[8] 2.3.4	C.4
5	HS/LE Core-Complete Configuration	[8] 2.3.5	C.5

C.1: Mandatory IF CORE 20/1 “BR/EDR Controller Layers” AND CORE 20/2 “BR/EDR Host Layers” AND NOT (CORE 20/3 “LE Controller Layers” AND CORE 20/4 “LE Host Layers”) AND NOT (CORE 10/20 “PAL for 802.11 MAC/PHY (802.11 PAL)” AND CORE 11/20 “AMP Manager Protocol (A2MP)”), otherwise Excluded.

C.2: Mandatory IF CORE 20/3 “LE Controller Layers” AND CORE 20/4 “LE Host Layers” AND NOT (CORE 20/1 “BR/EDR Controller Layers” AND CORE 20/2 “BR/EDR Host Layers”), otherwise Excluded.

C.3: Mandatory IF CORE 20/1 “BR/EDR Controller Layers” AND CORE 20/2 “BR/EDR Host Layers” AND CORE 20/3 “LE Controller Layers” AND CORE 20/4 “LE Host Layers” AND NOT (CORE 10/20 “PAL for 802.11 MAC/PHY (802.11 PAL)” AND CORE 11/20 “AMP Manager Protocol (A2MP)”), otherwise Excluded.

C.4: Mandatory IF CORE 20/1 “BR/EDR Controller Layers” AND CORE 20/2 “BR/EDR Host Layers” AND CORE 10/20 “PAL for 802.11 MAC/PHY (802.11 PAL)” AND CORE 11/20 “AMP Manager Protocol (A2MP)” AND NOT (CORE 20/3 “LE Controller Layers” AND CORE 20/4 “LE Host Layers”), otherwise Excluded.

C.5: Mandatory IF CORE 20/1 “BR/EDR Controller Layers” AND CORE 20/2 “BR/EDR Host Layers” AND CORE 20/3 “LE Controller Layers” AND CORE 20/4 “LE Host Layers” AND CORE 10/20 “PAL for 802.11 MAC/PHY (802.11 PAL)” AND CORE 11/20 “AMP Manager Protocol (A2MP)”, otherwise Excluded.

2.5 Configurations

Table 40 (auto-fill): Configurations

Item	Feature	Reference	Status
1	Core-Controller	[8] 2.1	C.1
2	Core-Host	[8] 2.2	C.2
3	Core-Complete	[8] 2.3	C.3

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.

C.2: Mandatory IF CORE 31/1 “BR/EDR Core-Host Configuration” OR CORE 31/2 “LE Core-Host Configuration” OR CORE 31/3 “BR/EDR/LE Core-Host Configuration” OR CORE 31/4 “HS Core-Host Configuration” OR CORE 31/5 “HS/LE Core-Host Configuration”, otherwise Excluded.

C.3: Mandatory IF CORE 32/1 “BR/EDR Core-Complete Configuration” OR CORE 32/2 “LE Core-Complete Configuration” OR CORE 32/3 “BR/EDR/LE Core-Complete Configuration” OR CORE 32/4 “HS Core-Complete Configuration” OR CORE 32/5 “HS/LE Core-Complete Configuration”, otherwise Excluded.

Table 41 (auto-fill): Transport Configurations

Item	Feature	Reference	Status
1	BR/EDR Core Configuration	[8] 2	C.1
2	LE Core Configuration	[8] 2	C.2
3	BR/EDR/LE Core Configuration	[8] 2	C.3

C.1: Mandatory IF CORE 30/1 “BR/EDR Core-Controller Configuration” OR CORE 30/4 “HS Core-Controller Configuration” OR CORE 31/1 “BR/EDR Core-Host Configuration” OR CORE 31/4 “HS Core-Host Configuration” OR CORE 32/1 “BR/EDR Core-Complete Configuration” OR CORE 32/4 “HS Core-Complete Configuration”, otherwise Excluded.

C.2: Mandatory IF CORE 30/2 “LE Core-Controller Configuration” OR CORE 31/2 “LE Core-Host Configuration” OR CORE 32/2 “LE Core-Complete Configuration”, otherwise Excluded.

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.

3 References

[1] Core Specification Version 4.2. Adopted 02 December 2014.

[2] Core Specification Version 5.0. Adopted 06 December 2016.

[3] Core Specification Version 5.1. Adopted 15 January 2019.

[4] Core Specification Version 5.2. Adopted 31 December 2019.

[5] Core Specification Version 5.3. Adopted 06 July 2021.

[6] Core Specification Version 5.4. Adopted 31 January 2023.

[7] Core Specification Addendum 5. Adopted 01 December 2015.

[8] Core Specification Version 4.2 or later, Volume 0, Part D, Core Configurations

[9] ICS Proforma for BR/EDR Radio Physical Layer (RF)

[10] ICS Proforma for Baseband (BB)

[11] ICS Proforma for Link Manager Protocol (LMP)

[12] ICS Proforma for BR/EDR Security (SEC)

[13] ICS Proforma for LE Radio Physical Layer (RFPHY)

[14] ICS Proforma for Link Layer (LL)

[15] ICS Proforma for LE LL Security (LESEC)

[16] ICS Proforma for Isochronous Adaptation Layer (IAL)

[17] ICS Proforma for 802.11 Protocol Adaptation Layer (802.11 PAL)

[18] ICS Proforma for 802.11 MAC/PHY (802.11 MP)

[19] ICS Proforma for Logical Link Control and Adaptation Protocol (L2CAP)

[20] ICS Proforma for Service Discovery Protocol (SDP)

[21] ICS Proforma for Generic Access Profile (GAP)

[22] ICS Proforma for Attribute Protocol (ATT)

[23] ICS Proforma for Generic Attribute Profile (GATT)

[24] ICS Proforma for Security Manager (SM)

[25] ICS Proforma for AMP Manager Protocol (A2MP)

[26] ICS Proforma for Host Controller Interface, Lower HCI Role (HCI)

[27] ICS Proforma for Host Controller Interface, Upper HCI Role (UHCI)

[28] Core Specification Version 6.0. Adopted 27 August 2024.

[29] ICS Proforma for Channel Sounding (CS)

[30] Core Specification Version 6.1. Adopted 05 May 2025.

[31] Core Specification Version 6.2. Adopted 03 November 2025.

[32] Test Strategy and Terminology Overview

[33] Core Specification Version 6.3. Adopted 28 April 2026.

4 Configuration summary (informational)

The configuration summary table below is provided for informational purposes. In the event of any contradiction with the ICS tables in Section 1 or with the Core Specifications, the table below should be assumed to be wrong.

Summary of Core Configuration options and their included Bluetooth Layers			**Core version dependency**	**Core-Controller Configuration** *See Table 30*					**Core-Host Configuration** *See Table 31*					**Core-Complete Configuration** *See Table 32*				
				BR/EDR Controller	**LE Controller**	**BR/EDR/LE Controller**	**HS Controller**	**HS/LE Controller**	**BR/EDR Host**	**LE Host**	**BR/EDR/LE Host**	**HS Host**	**HS/LE Host**	**BR/EDR Complete**	**LE Complete**	**BR/EDR/LE Complete**	**HS Complete**	**HS/LE Complete**
Core version dependency							**C.6**	**C.6**				**C.7**	**C.7**				**C.8**	**C.8**
Core Layers	Controller Layers *See Table 10*	SEC		M	C.12	M	M	M	E	E	E	E	E	M	C.12	M	M	M
		LMP		M	C.12	M	M	M	E	E	E	E	E	M	C.12	M	M	M
		BB		M	C.12	M	M	M	E	E	E	E	E	M	C.12	M	M	M
		RF		M	C.12	M	M	M	E	E	E	E	E	M	C.12	M	M	M
		IAL	C.5	C.12	C.3	C.3	C.12	C.3	E	E	E	E	E	C.12	C.3	C.3	C.12	C.3
		CS	C.13	C.12	C.14	C.14	C.12	C.14	E	E	E	E	E	C.12	C.14	C.14	C.12	C.14
		LESEC		C.12	C.11	C.11	C.12	C.11	E	E	E	E	E	C.12	C.11	C.11	C.12	C.11
		LL		C.12	M	M	C.12	M	E	E	E	E	E	C.12	M	M	C.12	M
		RFPHY		C.12	M	M	C.12	M	E	E	E	E	E	C.12	M	M	C.12	M
		PAL for 802.11 MP	C.6	E	C.12	E	M	M	E	E	E	E	E	E	C.12	E	M	M
	HCI *See Table 12*	Lower HCI role		M	M	M	M	M	E	E	E	E	E	C.10	C.10	C.10	C.10	C.10
		Upper HCI role		E	E	E	E	E	M	M	M	M	M	C.10	C.10	C.10	C.10	C.10
	Host Layers *See Table 11*	GATT		E	E	E	E	E	C.1	C.1	C.1	C.1	C.1	C.1	C.1	C.1	C.1	C.1
		ATT		E	E	E	E	E	O	C.2	C.4	O	C.4	O	C.2	C.4	O	C.4

Summary of Core Configuration options and their included Bluetooth Layers			Core version dependency	Core-Controller Configuration *See Table 30*					Core-Host Configuration *See Table 31*					Core-Complete Configuration *See Table 32*				
				BR/EDR Controller	LE Controller	BR/EDR/LE Controller	HS Controller	HS/LE Controller	BR/EDR Host	LE Host	BR/EDR/LE Host	HS Host	HS/LE Host	BR/EDR Complete	LE Complete	BR/EDR/LE Complete	HS Complete	HS/LE Complete
Core version dependency							**C.6**	**C.6**				**C.7**	**C.7**				**C.8**	**C.8**
		GAP		E	E	E	E	E	M	M	M	M	M	M	M	M	M	M
		SDP		E	E	E	E	E	M	C.12	M	M	M	M	C.12	M	M	M
		L2CAP		E	E	E	E	E	M	C.2	M	M	M	M	C.2	M	M	M
		SM		E	E	E	E	E	C.12	C.2	C.2	C.12	C.2	C.12	C.2	C.2	C.12	C.2
		A2MP	C.7	E	E	E	E	E	E	C.12	E	M	M	E	C.12	E	M	M
X2Core Layers				C.9	C.9	C.9	C.9	C.9	O	O	O	O	O	O	O	O	O	O

C.1: Mandatory if ATT is included, otherwise Excluded.

C.2: Mandatory if either the GAP Central role or the GAP Peripheral role is supported, otherwise Excluded.

C.3: Mandatory if Link Layer (LL) supports any of the following features: 1: Connected Isochronous Stream (Central), 2: Connected Isochronous Stream (Peripheral), 3: Isochronous Broadcaster, 4: Synchronized Receiver, otherwise Excluded.

C.4: Mandatory if either the GAP Central role or the GAP Peripheral role is supported, otherwise Optional.

C.5: Excluded if one of Controller Core v4.2, Controller Core v5.0, Controller Core v5.1 is supported.

C.6: Excluded if none of Controller Core v4.2, Controller Core v5.0, Controller Core v5.1, Controller Core v5.2 are supported.

C.7: Excluded if none of Host Core v4.2, Host Core v5.0, Host Core v5.1, Host Core v5.2 are supported.

C.8: Excluded if none of Controller Core v4.2, Controller Core v5.0, Controller Core v5.1, Controller Core v5.2 and none of Host Core v4.2, Host Core v5.0, Host Core v5.1, Host Core v5.2 are supported.

C.9: Optional for Codec-in-the-Controller layers, otherwise Excluded.

C.10: Mandatory to support none or both of Upper HCI role and Lower HCI role.

C.11: Mandatory if the LE Encryption feature is supported, otherwise Excluded.

C.12: Excluded if including the layer would make the IUT also be compliant to another Core Configuration, otherwise Optional.

C.13: Excluded if Controller Core v6.0 is not supported

C.14: Mandatory if Link Layer (LL) supports the Channel Sounding (CS) feature, otherwise Excluded.

5 Inter-Layer Dependencies between the Core Layers (informational)

Layers within Core have several dependencies between each other. Inter-Layer Dependencies (ILDs) are used to express that a feature in a higher layer depends on supporting features in lower layers. Reverse ILDs express that a lower-layer feature triggers or requires support a corresponding higher-layer feature. While the objective is to handle dependencies between Core layers using (Reverse) ILDs, some Core layers still reference other Core layers in their prerequisites, and TCMTs. Details about ILDs can be found in [32].

Table 5.1 shows all the references between the different Core layers. Layers are given in alphabetical order. 80211MP, 80211PAL, and A2MP are not included in this overview.

Layer	Inter-Layer Dependency (ILD)	Reverse ILD	TCMT Logic	ICS Prerequisite	ICS Condition
ATT	GAP, L2CAP				
BB	RF, SEC	SEC			
CS	LL, RFPHY				
GAP	BB, CS, L2CAP, LL, LMP, SM		GATT, L2CAP	GATT	
GATT	ATT, GAP, SDP		GAP		
HCI	BB, LMP	BB, LL, LMP, RFPHY	CS, LL, LMP		
IAL	LL		LL		
L2CAP			GAP, GATT		
LESEC	LL				
LL	RFPHY	RFPHY	HCI		
LMP	BB, RF, SEC	RF, SEC	HCI		
RF					
RFPHY					
SDP					
SEC	LMP				
SM					
UHCI					

Table 5.1: Inter-Layer Dependencies and other references between layers (TCRL pkg103)

This data is provided for informational purposes to help the user understand the dependencies between the layers.

The dependencies are also highlighted in Figure 5.1 in a more protocol stack view. The figure also shows layers referencing CORE ICS within the ICS conditions, TCMT logic, or ICS prerequisites (using a colored square). The diamond shows the layer, where the reference originates, pointing to the referenced layers. Diamonds on both ends show references going in both directions. In the case of ILDs, the downward direction is the regular ILD, whereas the upward direction is showing the use of Reverse ILDs.

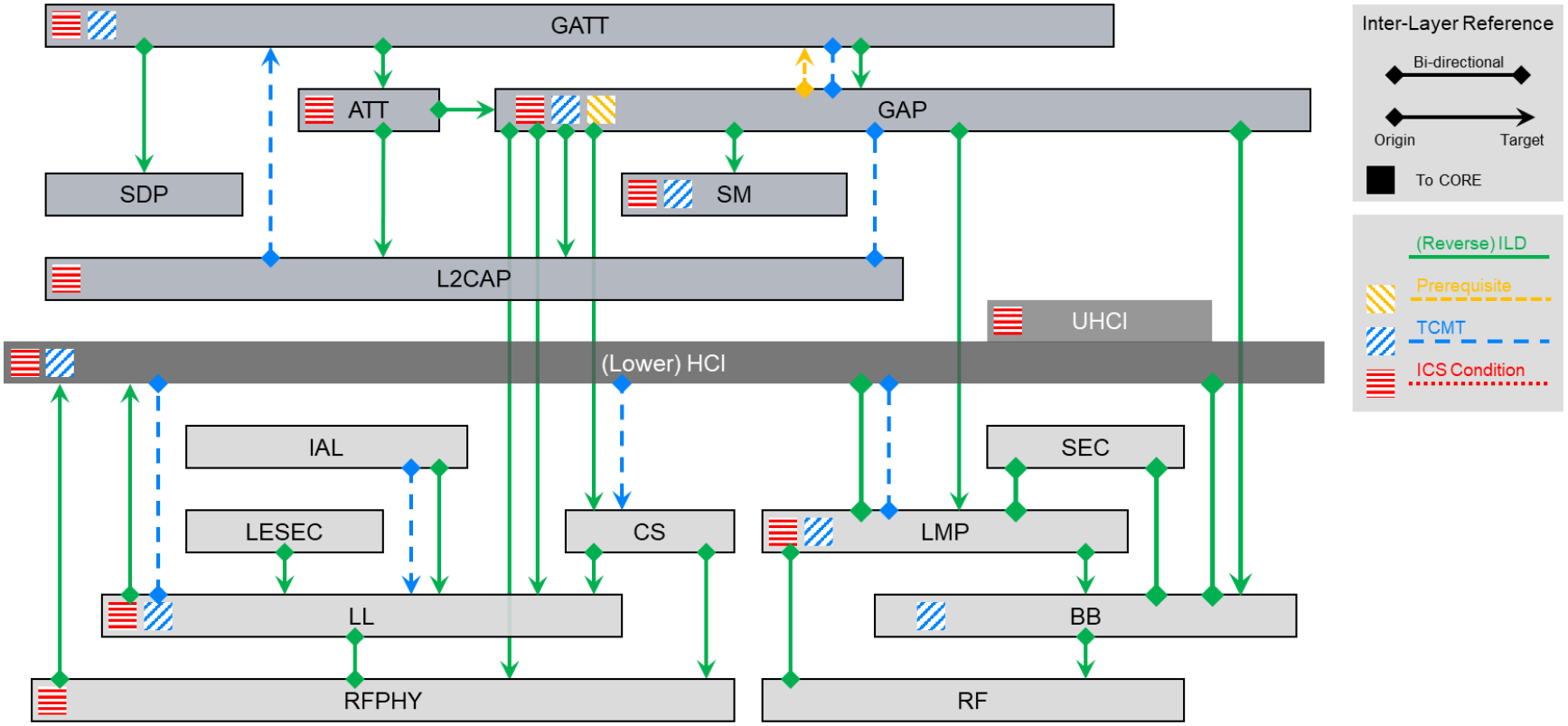

Figure 5.1: Protocol view of Inter-Layer Dependencies and other references between layers (TCRL pkg103)

6 Bridge mapping (informational)

Bridge mapping provides a logical mapping for ICS items, defined in the latest TCRL release, to one or more ICS items present in an older TCRL release. The bridge mapping logic can change depending on the old TCRL release. An implementation qualified under an older TCRL release will use the bridge mapping logic to indicate support for an ICS item, which is missing from the old TCRL release, when upgrading to a new TCRL release. Using bridge mapping, when upgrading a design to a new TCRL release, should prevent unnecessary consistency check errors.

Table 6.1 provides a bridge mapping example for GAP 7/3a (from GAP ICS as defined in TCRL pkg103). Depending on the TCRL of the old design, the following apply:

- GAP 7/3a has been introduced in TCRL pkg103; therefore, bridge mapping is not applicable for designs qualified on TCRL pkg103 or newer TCRL releases.
- For old designs qualified before TCRL pkg103, but not before TCRL 2019-2, support for GAP 7/3a in the upgraded design is determined by the support of LL 9/33 in the old design.
- For old designs qualified before TCRL 2019-2, GAP 7/3a is not supported in the upgraded design.

ICS item	Description	Bridge mapping logic	TCRL information
GAP 7/3a	Isochronous Broadcaster	Not applicable	≥ TCRL pkg103
		LL 9/33	< TCRL pkg103
		Not supported	< TCRL 2019-2 (Core v5.2)

Table 6.1: Bridge mapping (Example)

Bridge mapping for this layer is provided in Table 6.2:

CORE ICS	Description	Bridge mapping logic	TCRL information
CORE 1/1	Controller Core any version	Not applicable	≥ TCRL 2024-1
		layer selection (LMP) OR layer selection (BB) OR layer selection (RF) OR layer selection (IAL) OR layer selection (LL) OR layer selection (RFPHY) OR layer selection (80211PAL)	< TCRL 2024-1 (Core v6.0)
CORE 1/42	Controller Core v4.2	Not applicable	≥ TCRL 2024-1
		SUM ICS 21/14	< TCRL 2024-1 (Core v6.0)
CORE 1/50	Controller Core v5.0	Not applicable	≥ TCRL 2024-1
		SUM ICS 21/16	< TCRL 2024-1 (Core v6.0)
CORE 1/51	Controller Core v5.1	Not applicable	≥ TCRL 2024-1
		SUM ICS 21/18	< TCRL 2024-1 (Core v6.0)
CORE 1/52	Controller Core v5.2	Not applicable	≥ TCRL 2024-1
		SUM ICS 21/20	< TCRL 2024-1 (Core v6.0)
CORE 1/53	Controller Core v5.3	Not applicable	≥ TCRL 2024-1
		SUM ICS 21/21	< TCRL 2024-1 (Core v6.0)
CORE 1/54	Controller Core v5.4	Not applicable	≥ TCRL 2024-1
		SUM ICS 21/22	< TCRL 2024-1 (Core v6.0)

CORE ICS	Description	Bridge mapping logic	TCRL information
CORE 1c/1	Core Specification Addendum 5	Not applicable	≥ TCRL 2024-1
		SUM ICS 21/15	< TCRL 2024-1 (Core v6.0)
CORE 2/1	Host Core any version	Not applicable	≥ TCRL 2024-1
		layer selection (GATT) OR layer selection (ATT) OR layer selection (GAP) OR layer selection (SDP) OR layer selection (L2CAP) OR layer selection (SM) OR layer selection (A2MP)	< TCRL 2024-1 (Core v6.0)
CORE 2/42	Host Core v4.2	Not applicable	≥ TCRL 2024-1
		SUM ICS 31/17 OR SUM ICS 31/18	< TCRL 2024-1 (Core v6.0)
CORE 2/51	Host Core v5.1	Not applicable	≥ TCRL 2024-1
		SUM ICS 31/20	< TCRL 2024-1 (Core v6.0)
CORE 2/52	Host Core v5.2	Not applicable	≥ TCRL 2024-1
		SUM ICS 31/21	< TCRL 2024-1 (Core v6.0)
CORE 2/53	Host Core v5.3	Not applicable	≥ TCRL 2024-1
		SUM ICS 31/22	< TCRL 2024-1 (Core v6.0)
CORE 2/54	Host Core v5.4	Not applicable	≥ TCRL 2024-1
		SUM ICS 31/23	< TCRL 2024-1 (Core v6.0)
CORE 10/1	BR/EDR Security (SEC)	Not applicable	≥ TCRL 2024-1
		layer selection (LMP)	< TCRL 2024-1 (Core v6.0)
CORE 10/2	Link Manager Protocol (LMP)	Not applicable	≥ TCRL 2024-1
		layer selection (LMP)	< TCRL 2024-1 (Core v6.0)
CORE 10/3	Baseband (BB)	Not applicable	≥ TCRL 2024-1
		layer selection (BB)	< TCRL 2024-1 (Core v6.0)
CORE 10/4	Radio Frequency (RF)	Not applicable	≥ TCRL 2024-1
		layer selection (RF)	< TCRL 2024-1 (Core v6.0)
CORE 10/10	Isochronous Adaptation Layer (IAL)	Not applicable	≥ TCRL 2024-1
		layer selection (IAL)	< TCRL 2024-1 (Core v6.0)
CORE 10/11	LE Security (LESEC)	Not applicable	≥ TCRL 2024-1
		LL 9/1	< TCRL 2024-1 (Core v6.0)
CORE 10/12	Link Layer (LL)	Not applicable	≥ TCRL 2024-1
		layer selection (LL)	< TCRL 2024-1 (Core v6.0)
CORE 10/13	Radio Frequency Physical Layer (RFPHY)	Not applicable	≥ TCRL 2024-1
		layer selection (RFPHY)	< TCRL 2024-1 (Core v6.0)
CORE 10/20	PAL for 802.11 MAC/PHY (802.11 PAL)	Not applicable	≥ TCRL 2024-1
		layer selection (80211PAL)	< TCRL 2024-1 (Core v6.0)
CORE 11/1	Generic Attribute Profile (GATT)	Not applicable	≥ TCRL 2024-1
		layer selection (GATT)	< TCRL 2024-1 (Core v6.0)

CORE ICS	Description	Bridge mapping logic	TCRL information
CORE 11/2	Attribute Protocol (ATT)	Not applicable	≥ TCRL 2024-1
		layer selection (ATT)	< TCRL 2024-1 (Core v6.0)
CORE 11/3	Generic Access Profile (GAP)	Not applicable	≥ TCRL 2024-1
		layer selection (GAP)	< TCRL 2024-1 (Core v6.0)
CORE 11/4	Service Discovery Protocol (SDP)	Not applicable	≥ TCRL 2024-1
		layer selection (SDP)	< TCRL 2024-1 (Core v6.0)
CORE 11/5	Logical Link Control and Adaptation Protocol (L2CAP)	Not applicable	≥ TCRL 2024-1
		layer selection (L2CAP)	< TCRL 2024-1 (Core v6.0)
CORE 11/6	Security Manager (SM)	Not applicable	≥ TCRL 2024-1
		layer selection (SM)	< TCRL 2024-1 (Core v6.0)
CORE 11/20	AMP Manager Protocol (A2MP)	Not applicable	≥ TCRL 2024-1
		layer selection (A2MP)	< TCRL 2024-1 (Core v6.0)
CORE 12/1	Host Controller Interface (HCI)	Not applicable	≥ TCRL 2024-1
		layer selection (HCI) OR PROD 1/4	< TCRL 2024-1 (Core v6.0)
CORE 12/2	Lower HCI role	Not applicable	≥ TCRL 2024-1
		HCI 1a/1 OR HCI 1a/3 OR HCI 1a/4	< TCRL 2024-1 (Core v6.0)
CORE 12/3	Upper HCI role	Not applicable	≥ TCRL 2024-1
		HCI 1a/2 OR ((PROD 3/1 OR PROD 3/2 OR PROD 3/3 OR PROD 3/4 OR PROD 3/5) AND (NOT (PROD 2/1-6) OR layer selection (HCI)))	< TCRL 2024-1 (Core v6.0)

Table 6.2: Bridge mapping between SUM ICS and PROD ICS and supported CORE capabilities for QDIDs

7 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
	p0r00–r10	2023-09-27 – 2024-04-23	TSE 24091 (rating 2): New CORE ICS to replace the now obsolete SUM ICS. TSE 24191 (rating 1): Added an informational section “Bridge mapping between CORE.ICS and prior SUM.ICS”.
0	p0	2024-07-01	Approved by BTI on 2024-05-22. Prepared for TCRL 2024-1 publication.
	p1r00–r07	2024-06-10 – 2024-08-07	To support the Low Energy Extended Feature Set feature in Core Specification v6.0, incorporated CR Core_LLExtendedFeatureSet_Test_CRr11-Jorg (which includes Test Issues 24450, 24696, 24807, 24896, and 24905) and added a reference to Core v6.0 and added 1/60. To support the Channel Sounding feature in Core Specification v6.0, incorporated CR CS_Test_CR_r16-jorg (which includes Test Issues 23205, 23293, 23331, 23332, 23361, 23362, 23363, 23364, 23365, 23378, 23379, 23381, 23382, 23384, 23404, 23419, 23422, 23424, 23425, 23500, 23501, 23502, 23503, 23504, 23506, 23594, 23693, 23694, 23696, 23701, 23706, 23711, 23732, 23736, 23737, 23738, 23776, 23842, 23923, 23993, 24023, 24033, 24043, 24049, 24133, 24135, 24137, 24138, 24139, 24141, 24142, 24143, 24146, 24147, 24149, 24150, 24151, 24153, 24177, 24181, 24231, 24232, 24330, 24331, 24332, 24410, 24411, 24418, 24419, 24478, 24483, 24515, 24531, 24599, 24601, 24602, 24614, 24618, 24619, 24621, 24623, 24624, 24625, 24627, 24630, 24639, 24645, 24646, 24655, 24656, 24657, 24659, 24660, 24669, 24681, 24717, 24769, 24776, 24789, 24808, 24809, 24838, 24844, 24850, 24867, 24868, 24893, 24894, 24895, 25028, 25029, 25040, 25042, 25053, 25055, 25111, 25112, 25120, 25139, 25140, 25141, 25142, 25143, 25148, 25149, 25150, 25157, 25166, 25209, 25240, 25278, 25282, 25299, 25428, 25443, 25479, 25498, 25511, 25512, 25525, 25585, 25617, 25632) and added a reference to Core v6.0, 1/60, 1a/60 and associated C.6, 1b/60 and associated C.6, 2/60, 2a/60 and associated C.6, and 2b/60 and associated C.6.
1	p1	2024-09-04	Approved by BTI on 2024-08-14. Prepared for TCRL 2024-2 publication.
	p2r00	2024-10-30	TSE 26595 (rating 1): Globally updated the titles of Core layers that were changed to better align with the spec naming.
2	p2	2025-02-18	Approved by BTI on 2024-12-26. Prepared for TCRL 2025-1 publication.

Publication Number	Revision Number	Date	Comments
	p3r00–01	2025-03-20 – 2025-03-24	TSE 27175 (rating 1): Updated versions tables to include the Core v6.1 release. Updated requirements tables to include references to Core v6.1 as necessary.
3	p3	2025-05-06	Approved by BTI on 2025-04-16. Prepared for TCRL 2025-2 publication.
	p4r00–r04	2025-07-03 – 2025-08-01	TSE 27576 (rating 1): Removed deleted GAP references from conditional C.1 in Table 20a. TSE 27886 (rating 4): Incorporated LE_Test_Mode_Enhancements_TEST_CR_r10 to integrate the LE Test Mode Enhancements feature for Core v6.2. Added item 62 to Table 1a and accompanying conditional C.8. Added 2/62. Added 2a/62 and accompanying conditional C.8. Added 2b/62 and accompanying conditional C.8. TSE 27934 (rating 4): Incorporated Shorter Connection Intervals Test CR r13 to integrate the Shorter Connection Intervals feature for Core v6.2. Added a reference to Core v6.2 to the References section; added item 1/62; added item 1a/62 and accompanying conditional C.8; added item 1b/62 and accompanying conditional C.8.
4	p4	2025-11-04	Approved by BTI on 2025-10-05. Prepared for TCRL pkg101 publication.
	p4ed2r00	2025-11-04	TSE 28368 (rating 1): To address issues caused by the removal of GAP Table 38, updated the C.1 conditional for Table 20a and added and explanatory note.
	p4 edition 2	2025-11-04	Approved by BTI on 2025-11-03 by consensus during BTI call. Prepared for edition 2 publication.
	p5r00–r05	2026-01-05 – 2026-03-24	TSE 28133 (rating 1): Added the TSTO to the References section. Added a new “Inter-Layer Dependencies between the Core Layers (informational)” section. TSE 28543 (rating 1): To accommodate changes needed for the deprecation of Core v4.2, updated throughout the “ICS declarations” section to remove or deprecate references to Core v4.2. Updated the status of the following CORE ICS items: 1/42 (added D&W info), 1/50, 1a/50, 1c/1 (added D&W info), 2/42, (added D&W info), 2/50, 2a/50. Updated conditionals: 1/C.2; 1a/C.1–C.8; 1b/C.1–C.8; 1c/C.1 and 1/C.2; 2/C.2; 2a/C.1–C.8; 2b/C.1–C.8. Updated CORE ICS bridge mapping table: Removed mapping for CORE 1/42, CORE 1c/1, and CORE 2/42. TSE 28641 (rating 2): Added Core Version 6.3 material in preparation for the release of Core v6.3. Added a new reference to Core v6.3 in the References section. Added items and related conditionals as follows: 1/63, 1a/63 and 1a/C.9, 1b/63 and 1b/C.9, 2/63, 2a/63 and 2a/C.9, and 2b/63 and 2b/C.9.

Publication Number	Revision Number	Date	Comments
5	p5	2026-05-05	Approved by BTI on 2026-04-07. Prepared for TCRL pkg103 publication.
	p5ed2 r00–r01	2026-04-23 – 2026-04-27	TSE 29126 (rating 1): Reverted changes made to remove Core v4.2 mentions to support qualification tools until the spec version is withdrawn. TSE 29127 (rating 1): Updated the Bridge Mapping section to align with Core versioning changes.
	p5 edition 2	2026-05-05	Approved by BTI on 2026-04-27 by consensus during BTI call. Prepared for edition 2 publication.

Acknowledgments

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Jörg Brakensiek	Bluetooth SIG, Inc.
Alicia Courtney	Broadcom
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Miles Smith	Nordic Semiconductor A/S
Magnus Sommansson	Qualcomm Technologies International, Ltd.
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