Dial Up Networking Profile (DUN)

Bluetooth® Implementation Conformance Statement (ICS) Proforma

- **Revision:** DUN.ICS.p11
- **Revision Date:** 2026-02-17
- **Prepared By:** BTI
- **Published during TCRL:** TCRL.pkg102

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   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 0: X.Y Versions

Item	Version	Reference	Status
1	DUN v1.1	[1]	C.1
2	DUN v1.2	[5]	C.1

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

2.2   Core Configuration

Table 0a: Core Configuration Requirements

Item	Core Configuration	Reference	Status
1	Profile supported over BR/EDR	[1] 1.2	C.1, C.3
2	Profile supported over LE	[1] 1.2	C.2

C.1:   Excluded for this Profile IF CORE 41/2 "LE Core Configuration" OR CORE 40/1 "Core-Controller".

C.2:   Excluded for this Profile.

C.3:   Mandatory for this Profile.

2.3   Roles

Table 1: Role Requirements

Item	Role	Reference	Status
1	Gateway (GW)	[1] 2.2	C.1
2	Data Terminal (DT)	[1] 2.2	C.1

C.1:   Mandatory to support at least one.

Table 1a: GW Configurations

Prerequisite: DUN 1/1 "Gateway (GW)"

Item	Capability	Reference	Status
1	Circuit Connections	[1] 2	C.1
2	Packet Connections	[1] 2	C.1

C.1:   Mandatory to support at least one.

Table 1b: DT Configurations

Prerequisite: DUN 1/2 "Data Terminal (DT)"

Item	Capability	Reference	Status
1	Circuit Connections	[1] 2	C.1
2	Packet Connections	[1] 2	C.1

C.1:   Mandatory to support at least one.

2.3.1 Gateway Role

Table 2: Application Features (GW)

Prerequisite: DUN 1/1 "Gateway (GW)"

Item	Capability	Reference	Status	Inter-Layer Dependency
1	No longer used	N/A	N/A	N/A
2	General discoverable mode	[1] 6.1	M	[3] GAP 1/3
3–7	No longer used	N/A	N/A	N/A
8	Connectable mode	[1] 6.1	M	[3] GAP 1/5
9	Bondable mode	[1] 6.1	M	[3] GAP 1/7
10	Data call without audio Feedback – Outgoing call	[1] 3.1	M	N/A
11	Data call without audio Feedback – Incoming call	[1] 3.1	O	N/A
12	Data call with audio Feedback – Outgoing call	[1] 3.1	C.4	N/A
13	Accept Termination from DT	[1] 3.1	M	N/A
14a	Initiate Termination from GW – Circuit Network	[1] 3.1	C.2	N/A
14b	Initiate Termination from GW – Packet Network	[1] 3.1	C.3	N/A
15	Termination – NT	[1] 3.1	M	N/A

C.1:   No longer used.

C.2:   Optional IF DUN 1a/1 "Circuit Connections", otherwise Excluded.

C.3:   Optional IF DUN 1a/2 "Packet Connections", otherwise Excluded.

C.4:   Optional IF DUN 0/1 "DUN v1.1", otherwise Excluded.

2.3.2 Data Terminal Role

Table 3: Application Features (DT)

Prerequisite: DUN 1/2 "Data Terminal (DT)"

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Initiation of general inquiry	[1] 6.3	M	[3] GAP 3/1
2–8	No longer used	N/A	N/A	N/A
9	Bondable mode	[1] 6.1	O	[3] GAP 1/7
10	Data call without audio Feedback - Outgoing call	[1] 3.1	M	N/A
11	Data call without audio Feedback – Incoming call	[1] 3.1	O	N/A
12	Data call with audio Feedback – Outgoing call	[1] 3.1	C.1	N/A
13	Initiate termination from DT	[1] 3.1	O	N/A

Item	Capability	Reference	Status	Inter-Layer Dependency
14	Accept termination from GW	[1] 3.1	M	N/A
15	Termination – NT	[1] 3.1	M	N/A

C.1:   Optional IF DUN 0/1 "DUN v1.1", otherwise Excluded.

Table 4: No longer used

2.4   SDP requirements

Table 5: SDP Requirements

Item	Capability	Reference	Status	Inter-Layer Dependency
1	ProtocolDescriptorList	[1] 5.3	M	[2] SDP 9/2
2	BluetoothProfileDescriptorList	[1] 5.3	M	[2] SDP 9/14

2.5   GAP requirements

Table 6: GAP Requirements

Item	Capability	Reference	Status	Inter-Layer Dependency
1–2	No longer used	N/A	N/A	N/A
3	Non-bondable mode	[1] 6.1	C.5	[3] GAP 1/6
4	No longer used	N/A	N/A	N/A
5	Initiation of general bonding	[1] 6.3	C.2	[3] GAP 3/5
6	No longer used	N/A	N/A	N/A

C.1:   No longer used.

C.2:   Mandatory IF DUN 1/2 "Data Terminal (DT)", otherwise not defined.

C.3–C.4:   No longer used.

C.5:   Mandatory IF DUN 1/2 "Data Terminal (DT)", otherwise Optional.

2.6   RFCOMM requirements

Table 7: RFCOMM Requirements

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Initialize RFCOMM Session	[1] 5	C.1	[4] RFCOMM 1/1
2	Respond to Initialization of an RFCOMM Session	[1] 5	C.2	[4] RFCOMM 1/2

C.1:   Mandatory IF DUN 1/2 "Data Terminal (DT)", otherwise Optional.

C.2:   Mandatory IF DUN 1/1 "Gateway (GW)", otherwise Optional.

3 References

[1]   Dial-up Networking Profile Specification, Version 1.1 or later

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

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

[4]   ICS Proforma for RFCOMM (RFCOMM)

[5]   Dial-up Networking Profile Specification, Version 1.2 or later

4   Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
0	1.2	2001-07-01	Version for Dial Up Networking Profile Specification 1.1
	1.2.1r2	2004-10-29	Incorporation of March, 2002, Addendum, TSE 257 for Table 2 and 3
1	1.1.1	2004-11-22	Changed document number.
	1.2.2r0	2006-04-10	Editorial updates
	1.2.2r1	2006-04-10	TSE 739: Rows 13 & 14 in Table 2 and Table 3. Remove the conditional C.1 and change to M/O as applicable. Renumbered document Fixed page breaks.
2	1.2.2	2006-06-15	Prepare for publication.
	1.2.3r0	2006-11-13	TSE 1817: Add table 1A for GW Configurations
	1.2.3r1	2006-11-30	Change "roles" to "configurations in Table 1A note
3	1.2.3	2007-01-09	Prepare for publication.
	1.2.4r0	2007-06-29	TSE 2206: Table 2: additional rows
4	1.2.4	2007-08-03	Prepare for publication
	1.1.5r0	2008-07-31	Corrected Revision number from 1.2 to 1.1 TSE 2478: New Table 1B:
5	1.1.5	2008-12-02	Prepare for publication.
	1.2.0r0	2012-09-28	Prepare for publication Change in version to align with specification version 1.2 Introduction of Table 0 Change to conditionals from O.X to C.X Editorial Updates to align with current standards Implement sections 1.7-1.9 for lower-layer dependencies
	1.2.0r1	2012-10-04	Changes per BTI Review.
	1.2.0r2	2012-10-08	Additional changes from Magnus
6	1.2.0	2012-11-13	Prepare for Publication
7	1.2.1	2012-11-30	TSE 5029: Change Table 4 to "Intentionally left blank," in Table 6 updated references, edited conditionals and added 6/6 Security Mode 4.
	1.2.2r00	2017-02-23	TSE 8237: Template converted and Table 2 updated for "Item no longer used" and miscellaneous editorial changes.
	1.2.2r01	2017-05-04	Fixed references and a few font size inconsistencies.
8	1.2.2	2017-07-03	Approved by BTI. Prepared for TCRL 2017-1 publication.

Publication Number	Revision Number	Date	Comments
	p9r00–r02	2022-11-02 – 2022-11-15	TSE 19246 (rating 3): Updated to align with current ICS conventions/template. Removed Support columns and "is supported" language. Added ILD columns where appropriate. Combined sequential rows for items that are no longer used in Tables 2, 3, and 6. In Table 2, corrected the status for Items 2, 12, 14a, and 14b. In Table 3, corrected the status for Item 9. In Table 6, corrected the status for Item 3 and updated C.1–C.5. Deleted Table 4 because it is no longer used. Added Table 7 to cover RFCOMM requirements. Updated the references list. Added a Publication Number column to the Revision History. Revised the document numbering convention, setting the last release publication of 1.2.2 as p8. Performed additional template-related formatting fixes. Replaced the Bluetooth logo in the footer and updated the copyright page to align with v2 of the DNMD.
9	p9	2023-02-07	Approved by BTI on 2022-12-19. Prepared for TCRL 2022-2 publication.
	p10r00–r01	2025-03-25 – 2025-05-13	TSE 26951 (rating 2): Added Table 0a, Core Configuration Requirements. Updated condition C.1 for Tables 0, 1, 1a, and 1b. Updated the references list. Incorporated editorials to align the document with the latest ICS template, including the addition of a section heading for the Roles section. Nested Gateway Role and Data Terminal Role sections under new Roles section.
10	p10	2025-07-08	Approved by BTI on 2025-05-30. Prepared for TCRL pkg100 publication.
	p11r00	2025-12-05 – 2026-01-07	TSE 28346 (rating 1): Updated the conditions in the transport table to make sure the layer is excluded when the design is an implementation of the Core-Controller Configuration by adding "OR CORE 40/1 "Core-Controller"" to an already excluded transport based on Core Configuration support.
11	p11	2026-02-17	Approved by BTI on 2026-01-22. Prepared for TCRL pkg102 publication.

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