Emergency Profile (EMP)

***Bluetooth*® Implementation Conformance Statement (ICS) Proforma**

- **Revision:** EMP.ICS.p2
- **Revision Date:** 2025-07-08
- **Prepared By:** PUID WG
- **Published during TCRL:** TCRL.pkg100

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	EMP v1.0	[1]	M

2.2 Roles

Table 1: Role Requirements

Item	Role	Reference	Status
1	Emergency Emitter	[1] 2.1	C.1
2	Emergency Inhibitor	[1] 2.1	C.1
3	Emergency Locator	[1] 2.1	C.1

C.1: Mandatory to support at least one.

2.3 Transports

Table 2: Transport Requirements

Item	Transport	Reference	Status
1	Profile supported over BR/EDR	[1] 2.5	C.1
2	Profile supported over LE	[1] 2.5	C.2, C.3

C.1: Excluded for this Profile.

C.2: Excluded for this Profile IF CORE 41/1 “BR/EDR Core Configuration”.

C.3: Mandatory for this Profile.

2.4 Emergency Emitter Role

2.4.1 Services (Emergency Emitter)

Table 3: Services (Emergency Emitter)

Prerequisite: EMP 1/1 “Emergency Emitter”

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Emergency Configuration Service	[1] 3	M	[2] EMCS 3/1
2	Emergency Advertising Data	[1] 3.1	M	N/A
3	Reconnecting to Inhibitor before alerting	[1] 3.1	M	N/A
4	Reconnecting to Inhibitor during alerting	[1] 3.1	C.1	N/A
5	Emitter not allowing reconnection during alerting	[1] 3.1	C.1	N/A

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

2.4.2 GAP requirements (Emergency Emitter)

Table 4: GAP Requirements (Emergency Emitter)

Prerequisite: EMP 1/1 "Emergency Emitter" AND EMP 2/2 "Profile supported over LE"

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Broadcaster	[1] 2.1	M	[3] GAP 5/1 OR GAP 38/1
2	Peripheral	[1] 2.4	M	[3] GAP 5/3 OR GAP 38/3
3	Unauthenticated Pairing (LE security mode 1 level 2)	[1] 7	C.1	[3] GAP 25/8
4	Authenticated Pairing (LE security mode 1 level 3)	[1] 7	C.1	[3] GAP 25/7
5	LE security mode 1	[1] 7	M	[3] GAP 25/1
6	Service Data	[1] 3.1.1	M	[3] GAP 20a/10
7	Service UUID	[1] 3.1.2	M	[3] GAP 20a/1

C.1: Mandatory to support at least one.

2.5 Emergency Inhibitor Role

2.5.1 GAP requirements (Emergency Inhibitor)

Table 5: GAP Requirements (Emergency Inhibitor)

Prerequisite: EMP 1/2 "Emergency Inhibitor"

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Central	[1] 2.4	M	[3] GAP 5/4 OR GAP 38/4
2	Unauthenticated Pairing (LE security mode 1 level 2)	[1] 7	M	[3] GAP 35/8
3	Authenticated Pairing (LE security mode 1 level 3)	[1] 7	M	[3] GAP 35/7
4	LE security mode 1	[1] 7	M	[3] GAP 35/1

2.6 Emergency Locator Role

2.6.1 Services (Emergency Locator)

Table 6: Services (Emergency Locator)

Prerequisite: EMP 1/3 "Emergency Locator"

Item	Capability	Reference	Status
1	Scanning for Emergency ID	[1] 5	M

2.6.2 GAP requirements (Emergency Locator)

Table 7: GAP Requirements (Emergency Locator)

Prerequisite: EMP 1/3 "Emergency Locator"

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Observer	[1] 2.4	M	[3] GAP 5/2 OR GAP 38/2

3 References

[1] Emergency Profile Specification

[2] ICS Proforma for Emergency Configuration Service (EMCS)

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

4 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
0	1.0.0	2019-07-02	Emergency Profile adopted by the Board of Directors. Prepared for publication.
	p1r00–r01	2022-10-14 – 2022-11-04	TSE 19292 (rating 3): Corrected GAP table references. Added missing GAP ILD to LE security mode 1. Added missing GAP ILD for Service Data and Service UUID. Updated to align with current ICS conventions/template. Removed Support columns. Updated references. Added a Publication Number column to the Revision History. Revised the document numbering convention, setting the last release publication of 1.0.0 as p0. 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.
1	p1	2023-02-07	Approved by BTI on 2022-12-28. Prepared for TCRL 2022-2 publication.
	p2r00–r01	2025-05-01 – 2025-05-06	TSE 27350 (rating 1): In Table 2, updated the Status value for EMP 2/2 and added conditions C.2 and C.3. Deleted draft revision history comments prior to p0. Incorporated editorials to align the document with the latest ICS template, including updates to Section 1 and the addition of a section heading for the ICS declarations section.
2	p2	2025-07-08	Approved by BTI on 2025-06-15. Prepared for TCRL pkg100 publication.

Acknowledgments

Name	Company
David Chapman	Bluetooth SIG, Inc.
Alan Ewing	Bluetooth SIG, Inc.
Frank Berntsen	Nordic Semiconductor