

Find Me Profile (FMP)

Bluetooth® Implementation Conformance Statement (ICS) Proforma

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1 Identification of the implementation

1.1 Implementation Under Test (IUT) identification

Identification of the Implementation Under Test (IUT) is to be filled in to provide as much detail as possible regarding version numbers and configuration options.

An ICS contact person to respond to queries regarding information supplied in this ICS proforma is named in the Declaration of Compliance: Summary of Selected Specifications in Implementation.

1.2 Versions

Table 0: Major Versions (X.Y)

| Item | Version | Reference | Status |
|------|----------|-----------|--------|
| 1 | FMP v1.0 | [1] | M |

1.3 Roles

Table 1: Role Requirements

| Item | Role | Reference | Status |
|------|-----------------|-----------|--------|
| 1 | Find Me Target | [1] 2.1 | C.1 |
| 2 | Find Me Locator | [1] 2.1 | C.1 |

C.1: Mandatory to support at least one of FMP 1/1 “Find Me Target” OR FMP 1/2 “Find Me Locator”.

1.4 Transports

Table 2: Transport Requirements

| Item | Transport | Reference | Status |
|------|-------------------------------|-----------|--------|
| 1 | Profile supported over BR/EDR | [1] | C.1 |
| 2 | Profile supported over LE | [1] | M |

C.1: Excluded for this Profile.

1.5 Find Me Target

1.5.1 Services – Find Me Target

Table 3: Services – Find Me Target

Prerequisite: FMP 1/1 “Find Me Target”

| Item | Service | Reference | Status | Inter-Layer Dependency |
|------|-------------------------|-----------|--------|------------------------|
| 1 | Immediate Alert Service | [1] 3.1 | M | [2] IAS 2/1 |
| 2 | No longer used | N/A | N/A | N/A |

1.5.2 GATT Requirements – Find Me Target

Table 4: GATT Requirements – Find Me Target

Prerequisite: FMP 1/1 “Find Me Target”

| Item | Capability | Reference | Status | Inter-Layer Dependency |
|------|---------------------|-----------|--------|------------------------|
| 1 | GATT Server over LE | [1] 2.1 | M | [3] GATT 1a/3 |
| 2 | No longer used | N/A | N/A | N/A |
| 3 | No longer used | N/A | N/A | N/A |



| Item | Capability | Reference | Status | Inter-Layer Dependency |
|------|---|-----------|--------|------------------------|
| 4 | Discover All Primary Services | [1] 7 | M | [3] GATT 4/2 |
| 5 | Discover Primary Services by Service UUID | [1] 7 | M | [3] GATT 4/3 |
| 6 | Discover All Characteristics of a Service | [1] 7 | M | [3] GATT 4/5 |
| 7 | Write without Response | [1] 7 | M | [3] GATT 4/12 |

1.5.3 GAP Requirements – Find Me Target

Table 5: GAP Requirements – Find Me Target

Prerequisite: FMP 1/1 “Find Me Target”

| Item | Capability | Reference | Status | Inter-Layer Dependency |
|------|---|-----------|--------|-------------------------|
| 1 | Peripheral | [1] 5 | C.3 | [4] GAP 5/3 or GAP 38/3 |
| 2 | Central | [1] 5 | C.3 | [4] GAP 5/4 or GAP 38/4 |
| 3–4 | No longer used | N/A | N/A | N/A |
| 5 | Limited discoverable mode (Peripheral) | [1] 5.1.1 | C.1 | [4] GAP 22/2 |
| 6 | LE security mode 1 (Peripheral) | [1] 6.1 | C.1 | [4] GAP 25/1 |
| 7 | LE security mode 1 (Central) | [1] 6.1 | C.2 | [4] GAP 35/1 |
| 8 | Unauthenticated Pairing (LE security mode 1 level 2) (Central) | [1] 6.1 | C.2 | [4] GAP 35/8 |
| 9 | Unauthenticated Pairing (LE security mode 1 level 2) (Peripheral) | [1] 6.1 | C.4 | [4] GAP 25/8 |
| 10 | Authenticated Pairing (LE security mode 1 level 3) (Central) | [1] 6.1 | C.2 | [4] GAP 35/7 |
| 11 | Authenticated Pairing (LE security mode 1 level 3) (Peripheral) | [1] 6.1 | C.4 | [4] GAP 25/7 |

- C.1: Mandatory IF FMP 5/1 “Peripheral”, otherwise not defined.
- C.2: Mandatory IF FMP 5/2 “Central”, otherwise not defined.
- C.3: Mandatory to support at least one of FMP 5/1 “Peripheral” OR FMP 5/2 “Central”.
- C.4: Mandatory to support at least one of FMP 5/9 “Unauthenticated Pairing (LE security mode 1 level 2) (Peripheral)” OR FMP 5/11 “Authenticated Pairing (LE security mode 1 level 3) (Peripheral)” IF FMP 5/1 “Peripheral”, otherwise not defined.

Table 6: No longer used

1.6 Find Me Locator

1.6.1 Features – Find Me Locator

Table 7: Features – Find Me Locator

Prerequisite: FMP 1/2 “Find Me Locator”

| Item | Feature | Reference | Status |
|------|--------------------------------------|-----------|--------|
| 1 | Write alert level to cause an alert | [1] 4.3 | M |
| 2 | Write alert level to cancel an alert | [1] 4.3 | M |

1.6.2 Discover Services & Characteristics – Find Me Locator

Table 8: Discover Services & Characteristics – Find Me Locator

Prerequisite: FMP 1/2 “Find Me Locator”

| Item | Capability | Reference | Status |
|------|--|-----------|--------|
| 1 | Discover Immediate Alert Service | [1] 4.1 | M |
| 2 | Discover Alert Level characteristic for Immediate Alert | [1] 4.2 | M |
| 3 | A bonded Find Me Locator shall start encryption at connection creation | [1] 5.2.3 | C.1 |

C.1: Mandatory IF FMP 10/1 “Central”, otherwise Excluded.

1.6.3 GATT Requirements – Find Me Locator

Table 9: GATT Requirements – Find Me Locator

Prerequisite: FMP 1/2 “Find Me Locator”

| Item | Capability | Reference | Status | Inter-Layer Dependency |
|------|---|-----------|--------|------------------------|
| 1 | GATT Client over LE | [1] 7 | M | [3] GATT 1a/1 |
| 2–3 | No longer used | N/A | N/A | N/A |
| 4 | Discover All Primary Services | [1] 7 | C.3 | [3] GATT 3/2 |
| 5 | Discover Primary Services by Service UUID | [1] 7 | C.3 | [3] GATT 3/3 |
| 6 | Discover All Characteristics of a Service | [1] 7 | M | [3] GATT 3/5 |
| 7 | Write without Response | [1] 7 | M | [3] GATT 3/12 |

C.1–C.2: No longer used.

C.3: Mandatory to support at least one of FMP 9/4 “Discover All Primary Services” OR FMP 9/5 “Discover Primary Services by Service UUID”.

1.6.4 GAP Requirements – Find Me Locator

Table 10: GAP Requirements – Find Me Locator

Prerequisite: FMP 1/2 “Find Me Locator”

| Item | Capability | Reference | Status | Inter-Layer Dependency |
|------|---|-----------|--------|-------------------------|
| 1 | Central | [1] 5 | C.3 | [4] GAP 5/4 or GAP 38/4 |
| 2 | Peripheral | [1] 5 | C.3 | [4] GAP 5/3 or GAP 38/3 |
| 3–4 | No longer used | N/A | N/A | N/A |
| 5 | Limited discoverable mode (Peripheral) | [1] 5.1.1 | C.2 | [4] GAP 22/2 |
| 6 | LE security mode 1 (Peripheral) | [1] 6.1 | C.2 | [4] GAP 25/1 |
| 7 | LE security mode 1 (Central) | [1] 6.1 | C.1 | [4] GAP 35/1 |
| 8 | Unauthenticated Pairing (LE security mode 1 level 2) (Central) | [1] 6.1 | C.1 | [4] GAP 35/8 |
| 9 | Unauthenticated Pairing (LE security mode 1 level 2) (Peripheral) | [1] 6.1 | C.4 | [4] GAP 25/8 |
| 10 | Authenticated Pairing (LE security mode 1 level 3) (Central) | [1] 6.1 | C.1 | [4] GAP 35/7 |
| 11 | Authenticated Pairing (LE security mode 1 level 3) (Peripheral) | [1] 6.1 | C.4 | [4] GAP 25/7 |

C.1: Mandatory IF FMP 10/1 “Central”, otherwise not defined.

C.2: Mandatory IF FMP 10/2 “Peripheral”, otherwise not defined.

C.3: Mandatory to support at least one of FMP 10/2 “Peripheral” OR FMP 10/1 “Central”.

C.4: Mandatory to support at least one of FMP 10/9 “Unauthenticated Pairing (LE security mode 1 level 2) (Peripheral)” OR FMP 10/11 “Authenticated Pairing (LE security mode 1 level 3) (Peripheral)” IF FMP 10/2 “Peripheral”, otherwise not defined.

Table 11: No longer used

2 References

- [1] Find Me Profile Specification, Version 1.0
- [2] ICS Proforma for Immediate Alert Service (IAS)
- [3] ICS Proforma for Generic Attribute Profile (GATT)
- [4] ICS Proforma for Generic Access Profile (GAP)

3 Revision history and acknowledgments

Revision History

| Publication Number | Revision Number | Date | Comments |
|--------------------|-----------------|--------------------------|---|
| | D09r01 - r05 | 2011-02-06 to 2011-05-23 | First draft, based on Proximity Profile ICS Renamed section 3.2 & added additional entry to table. Updated to align with PXP ICS plus other corrections |
| | 1.0.0 r0 - r3 | 2011-05-23 to 2011-06-16 | BTI review Comments from JD & JN, plus responses. Corrections from BTI call of 13/June Comments from MS plus responses |
| 0 | 1.0.0 | 2011-06-26 | Prepare for publication. |
| | 1.0.1r0 | 2011-11-23 | TSE 4592: Table 6 and Table 11; change C.1 |
| | 1.0.1r1 | 2012-02-09 | TSE 4636: Tables 2, 4, 5, and 10 items and references updated. |
| 1 | 1.0.1 | 2012-03-30 | Prepare for publication. |
| | 1.0.2r01 | 2013-09-30 | TSE 5355: Updates to item 8/3 and addition of conditional C.1 |
| 2 | 1.0.2 | 2013-12-03 | Prepare for Publication |
| | 1.0.3r00 | 2015-06-15 | TSE 6190: Updated Conditionals C.1 in Table 5 and C.2 in Table 10 from Mandatory to Optional. Deleted Section 1.2 (Global Statement of Conformance) per current ICS template standards. Minor editorial updates in conditionals towards current ICS conventions. |
| | 1.0.3r01 | 2015-06-16 | Converted to current ICS document template. |
| 3 | 1.0.3 | 2015-07-14 | Prepared for TCRL 2015-1 publication. |
| | 1.0.4r00 | 2017-10-07 | TSE 9947 (rating 1): Update ICS template. |
| 4 | 1.0.4 | 2018-06-27 | Approved by BTI. Prepared for TCRL 2018-1 publication. |
| | p5r00–r01 | 2022-10-14 – 2022-10-19 | TSE 19291 (rating 2): Updated to align with current ICS conventions/template. Removed Support columns and added an Inter-Layer Dependency column where appropriate. Updated references. Removed incorrect ICS reference in Table 3, Item 2. Removed references to BR/EDR (excluded for this Profile) and made references to LE mandatory. Added condition to make either Peripheral or Central role mandatory. Added a Publication Number column to the Revision History. Revised the document numbering convention, setting the last release publication of 1.0.4 as p4. 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. |
| 5 | p5 | 2023-02-07 | Approved by BTI on 2022-12-28. Prepared for TCRL 2022-2 publication. |

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