Alert Notification Service (ANS)

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

- **Revision:** ANS.ICS.p6
- **Revision Date:** 2025-07-08
- **Prepared By:** BTI
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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	ANS v1.0	[1]	M

2.2 Transports

Table 1: Transport Requirements

Item	Transport	Reference	Status
1	Service supported over BR/EDR	[1] 1.5	C.1
2	Service supported over LE	[1] 1.5	C.2, C.3

C.1: Excluded for this Service.

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

C.3: Mandatory for this Service.

2.3 Service requirements

Table 2: Service Requirements

Item	Capability	Reference	Status
1	Alert Notification Service	[1] 2	M
2	Supported New Alert Category Characteristic	[1] 3.1	M
3	Supported New Alert Category, Read	[1] 3.1	M
4	Supported Unread Alert Category Characteristic	[1] 3.3	M
5	Device supports any Unread Alert categories	[1] 3.3.1	O
6	Supported Unread Alert Category, Read	[1] 3.3	M
7	New Alert Characteristic	[1] 3.2	M
8	Client Characteristic Configuration descriptor for New Alert	[1] 3.4	M
9	New Alert Characteristic, Notify	[1] 3.4.2	M
10	Unread Alert Status Characteristic	[1] 3.4	M
11	Client Characteristic Configuration descriptor for Unread Alert Status	[1] 3.4.2	M
12	Unread Alert Status Characteristic, Notify	[1] 3.4	C.1
13	Alert Notification Control Point Characteristic	[1] 3.5	M
14	Alert Notification Control Point Characteristic, Write	[1] 3.5	M
15	Enable categories and Notify immediately commands behavior for New Alert	[1] 4.1.1	M
16	Enable categories and Notify immediately commands behavior for Unread Alert Status	[1] 4.1.1	C.1
17	New Alert behavior, Multiple events	[1] 4.1.2	M
18	Unread Alert Status, Multiple events	[1] 4.1.3	C.1

Item	Capability	Reference	Status
19	Alert Notification Control Point characteristic, error handling	[1] 3.5.2	M

C.1: Mandatory IF ANS 2/5 “Device supports any Unread Alert categories”, otherwise Optional.

2.4 GATT requirements

Table 3: GATT Requirements

Item	Capability	Reference	Status	Inter-Layer Dependency
1–3	No longer used	N/A	N/A	N/A
3a	GATT Server over BR/EDR	[1] 1.4	C.1	[2] GATT 1a/4
3b	GATT Server over LE	[1] 1.4	C.2	[2] GATT 1a/3
4	Single Notification	[1] 1.4	M	[1] GATT 4/17
5	Write Characteristic Value	[1] 1.4	M	[1] GATT 4/14
6	Write Characteristic Descriptors	[1] 1.4	M	[1] GATT 4/21
7	No longer used	N/A	N/A	N/A

C.1: Mandatory IF ANS 1/1 “Service supported over BR/EDR”, otherwise not defined.

C.2: Mandatory IF ANS 1/2 “Service supported over LE”, otherwise not defined.

3 References

[1] Alert Notification Service Specification, Version 1.0

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

4 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
	D09r00	2011-06-03	First draft
	D09r01	2011-06-03	First draft
	D09r02	2011-06-07	updated
	D09r03	2011-07-05	Updated based on LLS
	D0.9.0 r1	2011-08-11	New document numbering/name
	D0.9.0 r2	2011-08-21	Changed name of two characteristics. Added transport requirements.
	D1.0.0 r1	2011-09-06	First draft 1.0. Includes fixes to generic issues discovered during review of PAS and Time (added “or later” to referenced TS and ICS)
	D1.0.0 r2	2011-09-13	Responded to BTI review (JN)
0	1.0.0	2011-09-15	Adopted by the Bluetooth SIG Board of Directors.
	1.0.1r0	2011-11-04	TSE 4556: Update Table 1 to align with LE profiles/standards
1	1.0.1	2012-03-30	Prepare for publication.
	1.0.2r00	2014-09-05	TSE 5800: Clean-up of Table 2 and Table 3. Renumbered Table 2 C.2 to be C.1, updated 2/12, 2/16 and 2/18 to C.1. Added 3/1 and 3/2 as item no longer used because of auto-numbering issue that defined only 3/3-3/7.
2	1.0.2	2014-12-05	Prepare for publication.
	1.0.3r00	2016-11-01	TSE 8017: Updated References and template.
3	1.0.3	2016-12-13	Approved by BTI. Prepared for TCRL 2016-2 publication.
	1.0.4r00	2017-10-07	TSE 9944 (rating 1): Update the template. Add a Table 0 for version.
4	1.0.4	2018-06-27	Approved by BTI. Prepared for TCRL 2018-1 publication.
	p5r00	2022-08-31 – 2022-09-06	TSE 19158 (rating 1): Updated to align with current ICS conventions/template. Removed Support columns and added Inter-Layer Dependency column where appropriate. Added Publication Number column to Revision History. Revised document numbering convention, setting last release publication of 1.0.4 as p4.
5	p5	2023-02-07	Approved by BTI on 2022-12-28. Prepared for TCRL 2022-2 publication.

Publication Number	Revision Number	Date	Comments
	p6r00–r01	2025-01-27 – 2025-02-18	TSE 26838 (rating 2): Updated Table 0 title to latest template style. For Table 3, cut items 2 and 3, added items 3a and 3b, updated item 4 capability, and added conditionals C.1 and C.2. TSE 26848 (rating 2): Updated Table 0 title to latest template style. For Table 1, added conditionals C.2 and C.3 and new status values for item 2. For Table 3, deleted item 2 and updated item 4 capability.
6	p6	2025-07-08	Approved by BTI on 2025-06-15. Prepared for TCRL pkg100 publication.

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