

Alert Notification Service (ANS)

Bluetooth® Implementation Conformance Statement (ICS) Proforma

- **Revision:** ANS.ICS.p7
- **Revision Date:** 2026-02-17
- **Prepared By:** BTI
- **Published during TCRL:** TCRL.pkg102



This document, regardless of its title or content, is not a Bluetooth Specification as defined in the Bluetooth Patent/Copyright License Agreement (“PCLA”) and Bluetooth Trademark License Agreement. Use of this document by members of Bluetooth SIG is governed by the membership and other related agreements between Bluetooth SIG Inc. (“Bluetooth SIG”) and its members, including the PCLA and other agreements posted on Bluetooth SIG’s website located at www.bluetooth.com.

THIS DOCUMENT IS PROVIDED “AS IS” AND BLUETOOTH SIG, ITS MEMBERS, AND THEIR AFFILIATES MAKE NO REPRESENTATIONS OR WARRANTIES AND DISCLAIM ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY, TITLE, NON-INFRINGEMENT, FITNESS FOR ANY PARTICULAR PURPOSE, THAT THE CONTENT OF THIS DOCUMENT IS FREE OF ERRORS.

TO THE EXTENT NOT PROHIBITED BY LAW, BLUETOOTH SIG, ITS MEMBERS, AND THEIR AFFILIATES DISCLAIM ALL LIABILITY ARISING OUT OF OR RELATING TO USE OF THIS DOCUMENT AND ANY INFORMATION CONTAINED IN THIS DOCUMENT, INCLUDING LOST REVENUE, PROFITS, DATA OR PROGRAMS, OR BUSINESS INTERRUPTION, OR FOR SPECIAL, INDIRECT, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE DAMAGES, HOWEVER CAUSED AND REGARDLESS OF THE THEORY OF LIABILITY, AND EVEN IF BLUETOOTH SIG, ITS MEMBERS, OR THEIR AFFILIATES HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

This document is proprietary to Bluetooth SIG. This document may contain or cover subject matter that is intellectual property of Bluetooth SIG and its members. The furnishing of this document does not grant any license to any intellectual property of Bluetooth SIG or its members.

This document is subject to change without notice.

Copyright © 2011–2026 by Bluetooth SIG, Inc. The Bluetooth word mark and logos are owned by Bluetooth SIG, Inc. Other third-party brands and names are the property of their respective owners.



Contents

1	General principles	4
1.1	Implementation Under Test (IUT) identification	4
1.2	Enforcement of inter-layer dependencies	4
2	ICS declarations.....	5
2.1	Versions	5
2.2	Transports.....	5
2.3	Service requirements	5
2.4	GATT requirements	6
3	References	7
4	Revision history and acknowledgments	8

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” OR CORE 40/1 “Core-Controller”.

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

Item	Capability	Reference	Status
18	Unread Alert Status, Multiple events	[1] 4.1.3	C.1
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 Descriptor	[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
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.
	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.
	p7r00–r01	2025-12-04 – 2025-12-29	TSE 28169 (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. Deleted draft revision history comments prior to p0.
7	p7	2026-02-17	Approved by BTI on 2026-01-21. Prepared for TCRL pkg102 publication.

Acknowledgments

Name	Company
Sadao Nagashima	Casio
Daisuke Matsuoh	Citizen
Frank Berntsen	Nordic Semiconductor