Alert Notification Service (ANS)

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

- **Revision:** ANS.ICS.p5
- **Revision Date:** 2023-02-07
- **Prepared By:** BTI
- **Published during TCRL:** TCRL.2022-2

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 © 2011–2023 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 Identification of the implementation 4
1.1 Implementation Under Test (IUT) identification 4
1.2 Versions 5
1.3 Transports 5
1.4 Service requirements 5
1.5 GATT requirements 6
2 References 7
3 Revision history and acknowledgments 8

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	ANS v1.0	[1]	M

1.3 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	M

C.1: Excluded for this Service.

1.4 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
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.

1.5 GATT requirements

Table 3: GATT Requirements

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Item no longer used	N/A	N/A	N/A
2	Item no longer used	N/A	N/A	N/A
3	Generic Attribute Profile (GATT) Server	[1] 1.4	M	[1] GATT 1/2
4	Notifications	[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

2 References

[1] Alert Notification Service Specification, Version 1.0

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

3 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.

Acknowledgments

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