

Volume Offset Control Service (VOCS)

Bluetooth® Implementation Conformance Statement (ICS) Proforma

- **Revision:** VOCS.ICS.p0
- **Revision Date:** 2020-12-22
- **Group Prepared By:** Generic Audio Working Group



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Contents

- 1 Identification of the implementation 4
 - 1.1 Implementation Under Test (IUT) identification 4
 - 1.2 Versions 5
 - 1.3 Transport..... 5
 - 1.4 Service Requirements 5
 - 1.4.1 Volume Offset Control Service..... 5
 - 1.5 GATT Requirements 5
 - 1.6 SDP Requirements 6
- 2 References 7
- 3 Revision history and contributors 8



1 Identification of the implementation

Identification of the Implementation Under Test (IUT) shall 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 shall be named in the Declaration of Compliance: Summary of Selected Specifications in Implementation.

1.1 Implementation Under Test (IUT) identification

IUT Name:

IUT Version (Hardware/Software ID):

IUT Supplier:

1.2 Versions

Table 0: Versions

Item	Version	Reference	Status
1	Volume Offset Control Service 1.0	[1] 2.1	M

1.3 Transport

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.1

C.1: Mandatory to support at least one of the defined transports.

1.4 Service Requirements

1.4.1 Volume Offset Control Service

Table 2: Volume Offset Control Service

Item	Service	Reference	Status
1	Volume Offset State Characteristic	[1] 3.1	M
2	Audio Location Characteristic	[1] 3.2	M
3	Volume Offset Control Point	[1] 3.3	M
4	Audio Output Description Characteristic	[1] 3.4	M
5	Writeable Audio Location Characteristic	[1] 3.2	O
6	Notifiable Audio Location Characteristic	[1] 3.2	C.1
7	Writeable Audio Output Description Characteristic	[1] 3.4	O
8	Notifiable Audio Output Description Characteristic	[1] 3.4	C.2

C.1: Mandatory IF VOCS 2/5 “Writeable Audio Location Characteristic” is supported, otherwise Optional.

C.2: Mandatory IF VOCS 2/7 “Writeable Audio Output Description Characteristic” is supported, otherwise Optional.

1.5 GATT Requirements

Table 3: GATT Requirements

Item	Feature	Reference	Status	Inter-Layer Dependency
1	Write Characteristic Value	[1] 1.4	M	[4] GATT 4/14
2	Notifications	[1] 1.4	M	[4] GATT 4/17
3	Read Characteristic Descriptors	[1] 1.4	M	[4] GATT 4/19
4	Write Characteristic Descriptors	[1] 1.4	M	[4] GATT 4/21

1.6 SDP Requirements

Table 4: SDP Requirements

Prerequisite: VOCS 1/1 "Service Supported over BR/EDR"

Item	Feature	Reference	Status	Inter-Layer Dependency
1	Support for Server role	[1] 4	M	[3] SDP 1b/1
2	ServiceClassIDList	[1] 4	M	[3] SDP 9/19
3	ProtocolDescriptorList	[1] 4	M	[3] SDP 9/2
4	BrowseGroupList	[1] 4	M	[3] SDP 9/5

2 References

- [1] Volume Offset Control Service Specification v1.0
- [2] ICS Proforma for Generic Access Profile (GAP)
- [3] ICS Proforma for Service Discovery Protocol (SDP)
- [4] ICS Proforma for Generic Attribute Profile (GATT)

3 Revision history and contributors

Revision History

Publication Number	Revision Number	Date	Comments
	d09r00–r05	2019-05-15 – 2019-12-12	Track VolumeControlService.0.9.0r03. Track VolumeOffsetControlService_d09r05. Track VolumeOffsetControlService_d09r09. Add GATT ICS references.
	p0r00–r07	2019-12-15 – 2020-11-20	Add GATT keyword to GATT requirements table. Change Table 1 column heading to Transport. Format tables using the new BTI proposed format. Remove the Support column. Add an Inter-Layer Dependency column when referencing other ICS entries. E16095
0	p0	2020-12-22	Approved by BTI on 2020-11-29. VOCS v1.0 adopted by the BoD on 2020-12-15. Prepared for publication.

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