Volume Control Service (VCS)

Bluetooth® Implementation Conformance Statement (ICS) Proforma

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- **Group Prepared By:** Generic Audio Working Group

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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 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 Control Service

Table 2: Volume Control Service

Item	Capability	Reference	Status
1	Volume State Characteristic	[1] 3.1	M
2	Volume Control Point Characteristic	[1] 3.2	M
3	Volume Flags Characteristic	[1] 3.3	M
4	Volume Flags Characteristic Notification	[1] 3.3	O

Table 3: Volume Control Point Procedure Requirements

Prerequisite: VCS 2/2 “Volume Control Point Characteristic”

Item	Capability	Reference	Status
1	Relative Volume Down Procedure	[1] 3.2.2.1	M
2	Relative Volume Up Procedure	[1] 3.2.2.2	M
3	Unmute / Relative Volume Down Procedure	[1] 3.2.2.3	M
4	Unmute / Relative Volume Up Procedure	[1] 3.2.2.4	M
5	Set Absolute Volume Procedure	[1] 3.2.2.5	M
6	Unmute Procedure	[1] 3.2.2.6	M
7	Mute Procedure	[1] 3.2.2.7	M

1.5 GATT Requirements

Table 4: 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 5: SDP Requirements

Prerequisite: VCS 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 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–r04	2019-05-15 – 2019-12-12	Track VolumeControlService_d09r03. Track VolumeControlService_d09r05. Address BTI Comments and Track VolumeControlService_d09r09. Add GATT ICS references.
	p0r00–r08	2019-12-15 – 2020-11-20	Changed Section 1.2 heading from “Roles and Versions” to “Versions”. Table 1 – changed “Feature” 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. Integrated E15105, E16094. Update contributors list.
0	p0	2020-12-22	Approved by BTI on 2020-11-29. VCS v1.0 adopted by the BoD on 2020-12-15. Prepared for publication.

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