Audio/Video Control Transport Protocol (AVCTP)

Bluetooth[®] Implementation Conformance Statement (ICS) Proforma

- Revision: AVCTP.ICS.p10
- Revision Date: 2024-07-01
- Prepared By: BTI
- Published during TCRL: TCRL.2024-1



 \mathbf{x}

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 © 2001–2024 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		
	1.1	Implementation Under Test (IUT) identification	.4
	1.2	Versions	.5
	1.3	Roles	.5
	1.4	Controller capabilities	.5
	1.5	Target capabilities	.6
2	References		
3	Revision history and acknowledgments8		



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

ltem	Version	Reference	Status
1	AVCTP 1.0"	AVCTP 1.0	Deprecated 2022-02-01. Withdrawn 2023-02-01.
2	AVCTP 1.2**	AVCTP 1.2	Deprecated 2022-02-01. Withdrawn 2023-02-01.
3	AVCTP 1.3**	AVCTP 1.3	Deprecated 2013-07-24. Withdrawn 2023-02-01.
4	AVCTP 1.4	AVCTP 1.4	Μ

Table 0: X.Y Versions

1.3 Roles

Table 1: Role Requirements

Item	Role	Reference	Status
1	Controller	[1] 3.1	C.1
2	Target	[1] 3.1	C.1

C.1: Mandatory to support at least one.

1.4 Controller capabilities

Table 2: Controller Features

Prerequisite: AVCTP 1/1 "Controller"

ltem	Capability	Reference	Status
1	Message fragmentation	[1] 4.3, 6.1.2	0
2	Transaction label management	[1] 4.2, 6.1.1, 6.1.2	М
3	Packet type field management	[1] 4.3, 6.1.1, 6.1.2	М
4	Message type field management	[1] 4.5, 6.1.1, 6.1.2	М
5	PID field management	[1] 4.4, 6.1.1, 6.1.2	М
6	IPID field management	[1] 6.1.1, 6.1.2	М
7	Message information management	[1] 6.1, 6.2	М
8	Event registration for message reception	[1] 11.1	0
9	Event registration for connection request	[1] 11.1	0
10	Event registration for disconnection request	[1] 11.1	0
11	Connect request	[1] 11.2.1	0
12	Disconnect request	[1] 11.2.3	0
13	Send message	[1] 11.2.4	0
14	Support for multiple AVCTP channel establishment requests	[1] 5.1	0

^{**} Deprecated versions may not appear in the Bluetooth SIG qualification tool after the deprecation date. TCRLs published after this date will not allow the use of deprecated versions.

1.5 Target capabilities

Table 3: Target Features

Prerequisite: AVCTP 1/2 "Target"

ltem	Capability	Reference	Status
1	Message fragmentation	[1] 4.3, 6.1.2	0
2	Transaction label management	[1] 4.2, 6.1.1, 6.1.2	М
3	Packet type field management	[1] 4.3, 6.1.1, 6.1.2	М
4	Message type field management	[1] 4.5, 6.1.1, 6.1.2	М
5	PID field management	[1] 4.4, 6.1.1, 6.1.2	М
6	IPID field management	[1] 6.1.1, 6.1.2	М
7	Message information management	[1] 6.1, 6.2	М
8	Event registration for message reception	[1] 11.1	0
9	Event registration for connection request	[1] 11.1	0
10	Event registration for disconnection request	[1] 11.1	0
11	Connect request	[1] 11.2.1	0
12	Disconnect request	[1] 11.2.2	0
13	Send message	[1] 11.2.3	0



2 References

[1] Audio/Video Control Transport Protocol Specification (AVCTP), Version 1.4 or later



3 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
	0.9	2001-11	Release to Associates
	0.9a	2002-02	Release
	1.00	2003-02	Release for Voting Draft
0	Version 1.0	2003-05	Updated title and header
1	Version 1.2	2004-04-14	Updated Disclaimer and Copyright Notice. Clerical changes.
2	1.1.1r1	2004-12-29	Editorial and format change. Incorporate TSE 700 to Table 2.
	1.2.1r1	2005-01-26	Changed document number.
3	1.2.1	2005-02-10	Final format for publication.
	1.2.2r0	2006-02-07	Updated for compatibility with templates.
4	1.2.2	2006-06-08	Prepare for publication.
	1.2.2.r0	2008-06-25	Editorial update: Added Table 0 to match TPG
5	1.2.3	2008-12-22	Prepare for publication
6	1.3.4r0	2011-09-13	
	1.4.0r0	2012-06-01	Updated specification version. Converted to new ICS template text and layout. Added AVDTP 1.4 ICS in Table 0. Changed 0.1 status in Table 1 to C.1 as at least one of the items must be supported.
	1.4.0r1	2012-06-12	Updated Reference column of Tables 1, 2 and 3 to remove logical AND in addition to supplying formal AVCTP specification reference. Added References section as Section 2.
7	1.4.0	2012-07-24	Prepare for publication
	1.4.1r00	2016-11-02	TSE 8026: Technical update to C.1 endnote (Table 0) and template updated.
8	1.4.1	2016-12-13	Approved by BTI. Prepared for TCRL 2016-2 publication.
	1.4.2r00	2018-02-07	TSE 9954 (rating 1): Updated ICS template. Updated reference fields.
9	1.4.2	2018-07-01	Approved by BTI. Prepared for TCRL 2018-1 publication.
	1.4.2ed2 r00–r02	2021-03-15 – 2021-05-19	TSE 16006 (rating 1): Updated Table 0 statuses to reflect items being deprecated and withdrawn. Assigned publication number 9 to previous revision 1.4.2.
			Editorials from template and consistency checker.
	1.4.2 edition 2	2021-05-26	Approved by BTI on 2021-05-06. Prepared for edition 2 publication.



Publication Number	Revision Number	Date	Comments
	1.4.2ed3 r00–r01	2021-07-15 – 2021-09-24	TSE 17165 (rating 1): Corrected the deprecation date for AVCTP v1.3 in Table 0. Consistency checker editorials to align with the wording in the latest ICS template.
	1.4.2 edition 3	2021-09-28	Approved by BTI on 2021-09-27. Prepared for edition 3 publication.
	1.4.2ed4r00	2023-08-07	TSE 23686 (rating 1): Updated the X.Y. Versions table. Made editorial updates to align the document with the latest ICS template. Updated the copyright page to align with v2 of the DNMD.
	1.4.2 edition 4	2023-08-28	Approved by BTI on 2023-08-24. Prepared for edition 4 publication.
	p10r00	2023-01-03	TSE 24740 (rating 1): Updated throughout to align the document with the latest ICS conventions, including conversion to the publication numbering scheme.
10	p10	2024-07-01	Approved by BTI on 2024-05-22. Prepared for TCRL 2024-1 publication.

Acknowledgments

Name	Company
David Trainor	CSR
Morgan Lindqvist	Ericsson
Fisseha Mekuria	Ericsson
Michinori Masuda	Matsushita Electric Industrial
Tsuyoshi Okada	Matsushita Electric Industrial
Christian Bouffioux	Philips
Henk Koopmans	Philips
Emmanuel Mellery	Philips
Piotr Polak	Philips
Harumi Kawamura	Sony
Rudiger Mosig	Sony
Hiroyasu Noguchi	Sony
Yoshinari Kumaki	Toshiba
Ichiro Tomoda	Toshiba