Serial Port Profile (SPP)

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

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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 Appendix A of the Declaration of Compliance: Summary of Selected Specifications in Implementation.

1.2 Versions and Roles

Table 0: Major Versions (X.Y)

Item	Version	Reference	Status
1	SPP v1.1**	SPP v1.1	Deprecated 2013-07-24.
2	SPP v1.2	SPP v1.2	C.1

C.1: Mandatory to support one and only one major version.

Table 1: Role Requirements

Item	Role	Reference	Status
1	Device A (DevA)	[1] 2.2	C.1
2	Device B (DevB)	[1] 2.2	C.1

C.1: Mandatory to support at least one of SPP 1/1 “Device A (DevA)” OR SPP 1/2 “Device B (DevB)”.

1.3 Support of SPP Service

Table 2: Serial Port Service Support

Item	Capability	Reference	Status
1	Support of SPP as a standalone profile	[1] 1.2	O
1a	SPP as a standalone profile – Device A (DevA)	[1] 1.2	C.2, C.3
1b	SPP as a standalone profile – Device B (DevB)	[1] 1.2	C.2, C.4

C.1: No longer used.
C.2: Mandatory to support at least one of SPP 2/1a “SPP as a standalone profile – Device A (DevA)” OR SPP 2/1b “SPP as a standalone profile – Device B (DevB)” IF SPP 2/1 “Support of SPP as a standalone profile” is supported, otherwise Excluded.
C.3: Optional IF SPP 1/1 “Device A (DevA)” is supported, otherwise Excluded.
C.4: Optional IF SPP 1/2 “Device B (DevB)” is supported, otherwise Excluded.

1.4 Application Procedures

Table 3: Application Procedures

Item	Capability	Reference	Status
1	Establish link and set up virtual serial connection	[1] 3.1	C.1
2	Accept link and virtual serial connection establishment	[1] 3.1	C.2
3	Register Service record for application in local SDP database	[1] 3.1	C.3
4	No release in Sniff mode. Sniff mode enabled in the Link Manager	[1] 3.2	O
5	No release in Hold mode. Hold mode enabled in the Link Manager	[1] 3.2	O
6	No longer used	N/A	N/A
7	No release after Master/Slave switch. M/S switch enabled in the Link manager	[1] 2.4	O

C.1: Mandatory IF SPP 1/1 “Device A (DevA)” is supported, otherwise Optional.
C.2: Mandatory IF SPP 1/2 “Device B (DevB)” is supported, otherwise Optional.
C.3: Mandatory IF SPP 2/1b “SPP as a standalone profile – Device B (DevB)” is supported, otherwise Optional.

** Deprecated versions may not appear in Launch Studio after the deprecation date. TCRLs published after this date will not allow the use of deprecated versions.

1.5 Profile and Protocol Dependencies

1.5.1 Service Discovery Protocol

Table 4: SDP Dependencies

Prerequisite: SPP 2/1b "SPP as a standalone profile – Device B (DevB)"

Item	Capability	Reference	Status	Inter-Layer Dependency
1	ServiceClassIDList	[1] 6.1	M	[2] SDP 9/19
2	ProtocolDescriptorList	[1] 6.1	M	[2] SDP 9/2
3	No longer used	N/A	N/A	N/A
4	No longer used	N/A	N/A	N/A
5	ServiceName	[1] 6.1	O	[2] SDP 9/9
6	BluetoothProfileDescriptorList	[1] 6.1	M	[2] SDP 9/14

Note: If more than one Serial Port Profile Service is available, more than one SerialPort SDP record can be registered.

Table 5: No Longer Used

2 References

[1] Serial Port Profile Specification (SPP), Version 1.1 or later

[2] ICS Proforma for Service Discovery Protocol (SDP), SDP.ICS

3 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
0	0.92	2002-05-06	First publication.
1	0.93	2004-03-01	First version with recorded revision history
	0.94.0r1	2004-12-27	Format and editorial changes.
	0.94.0	2005-01-07	Incorporated review changes.
2	1.1.1	2005-03-21	Corrected document revision number.
3	1.2.0	2012-07-24	Add versioning table to accommodate SPP_SPEC_v1.2.
	1.2.1r01	2013-09-30	TSE 5292: Added references to SDP ICS, added item 4/6, updated status for item 4/5, and added C.1 and C.2 for Table 4.
	1.2.1r03	2013-11-13	Updated Copyright information
4	1.2.1	2013-12-03	Prepare for Publication
	1.2.2r00	2016-11-02	TSE 8028: No material changes. Follow-up to template conversion only.
	1.2.2r01	2016-11-14	TSE 8096 – Item 3/6 "No release in Park mode. Park mode enabled in the Link Manager" removed as a consequence of the deprecation of the Park feature
5	1.2.2	2016-12-13	Approved by BTI. Prepared for TCRL 2016-2 publication.
	1.2.3r00	2018-04-05	TSE 10577 (rating 1): Template Conversion.
6	1.2.3	2018-07-01	Approved by BTI. Prepared for TCRL 2018-1 publication.
	1.2.4r00	2018-09-20	Drafted Deprecation/Withdrawal changes
7	1.2.4	2018-11-21	Approved by BTI. Prepared for TCRL 2018-2 publication.
	1.2.5r00–r01	2019-04-15–2019-06-19	TSE 11676 (rating 2): Added ICS 2/1a and 2/1b to declare role support when SPP is supported as a stand-alone profile.
8	1.2.5	2019-07-28	Approved by BTI. Prepared for TCRL 2019-1 publication.
	p9r00–r01	2021-08-10 – 2021-12-03	TSE 17174 (rating 2): Corrected the deprecation date for SPP v1.1 in Table 0. Corrected Table 3 C.2 conditional. Removed the unneccessary text in Section 1.5 and removed subsections that are not used. Fixed Table 4 conditionals, updated to use Inter-Layer Dependency format, and aligned with the referenced SDP ICS. Removed Table 5 since those ICS items are all M now in LMP and are not referenced in the TCMT. Incorporated template-related editorials and minor consistency checker editorials. Updated copyright page to align with v2 of the DNMD.

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9	p9	2022-01-25	Approved by BTI on 2021-12-19. Prepared for TCRL 2021-2 publication.

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