

SIM Access Profile (SAP)

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

1.2 Versions

Table 0: X.Y Versions

Item	SDP Version	Reference	Status
1	SAP v1.0**	[2]	Deprecated 2021-02-01. Withdrawn 2023-02-01.
2	SAP v1.1	[1]	C.1, C.2

C.1: Mandatory.

C.2: Can only be supported with an active X.Y.Z version after Deprecation. Deprecated 2021-02-01.
Withdrawn 2022-02-01.

Table 0a: X.Y.Z Versions

Item	Version	Reference	Status
1	SAP v1.1.1	[1]	C.1

C.1: Mandatory IF SAP 0/2 "SAP v1.1", otherwise Excluded.

1.3 Roles

Table 1: Role Requirements

Item	Role	Reference	Status
1	SIM Access Client (Client)	[1] 2.2	C.1
2	SIM Access Server (Server)	[1] 2.2	C.1

C.1: Mandatory to support at least one.

1.4 Client role

Table 2: Application Features (Client)

Prerequisite: SAP 1/1 "SIM Access Client (Client)"

Item	Capability	Reference	Status
1	Connection Management	[1] 4.1, 4.2, 4.3	M
1a	Passkey length – Devices are bonded	[1] 4.1	C.1
1b	Security mode 4 support	[1] 2.5	M
2	Transfer APDU	[1] 4.4	M
3	Transfer ATR	[1] 4.5	M
4	Power SIM off	[1] 4.6	O
5a	Power SIM on (SIM Access Profile Connection can be established and or maintained without a SIM card in the Server)	[1] 4.7	C.2

** 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.



Item	Capability	Reference	Status
5b	Power SIM on (SIM Access Profile Connection cannot be established and or maintained without a SIM card in the Server)	[1] 4.7	C.2
6	Reset SIM	[1] 4.8	O
7a	Report Status (SIM Access Profile Connection can be established and or maintained without a SIM card in the Server)	[1] 4.9	C.3
7b	Report Status (SIM Access Profile Connection cannot be established and or maintained without a SIM card in the Server)	[1] 4.9	C.3
8	Transfer Card Reader Status	[1] 4.10	O
9	Set Transport Protocol	[1] 4.12	O
10	Perform Bonding outside SIM Access Profile connection	[1] 2.5	O

C.1: Mandatory IF SAP 2/10 “Perform Bonding outside SIM Access Profile connection”, otherwise Optional.

C.2: Mandatory to support at least one.

C.3: Mandatory to support at least one.

1.5 Server role

Table 3: Application Features (Server)

Prerequisite: SAP 1/2 “SIM Access Server (Server)”

Item	Capability	Reference	Status
1	Connection Management	[1] 4.1, 4.2, 4.3	M
1a	Passkey length – Devices are bonded	[1] 4.1	C.1
1b	Security mode 4 support	[1] 2.5	M
2	Transfer APDU	[1] 4.4	M
3	Transfer ATR	[1] 4.5	M
4	Power SIM off	[1] 4.6	M
5	Power SIM on (SIM can be inserted into the Server without terminating the SIM Access Profile connection)	[1] 4.7	C.2
6	Power SIM on (SIM cannot be inserted into the Server without terminating the SIM Access Profile connection)	[1] 4.7	C.2
7	Reset SIM	[1] 4.8	M
8	Report Status (SIM can be inserted into or removed from the Server without terminating the SIM Access Profile connection)	[1] 4.9	C.3
9	Report Status (SIM cannot be inserted into or removed from the Server without terminating the SIM Access Profile connection)	[1] 4.9	C.3
9a	Report Status (SIM cannot be inserted into or removed from the Server without terminating the device functionality)	[1] 4.9	C.5
10	Transfer Card Reader Status	[1] 4.10	M

Item	Capability	Reference	Status
11	Set Transport Protocol	[1] 4.12	O
12	Perform Bonding outside SIM Access Profile connection	[1] 2.5	O

- C.1: Mandatory IF SAP 3/12 “Perform Bonding outside SIM Access Profile connection”, otherwise Optional.
- C.2: Mandatory to support at least one.
- C.3: Mandatory to support at least one.
- C.4: No longer used.
- C.5: Optional IF SAP 3/9 “Report Status (SIM cannot be inserted into or removed from the Server without terminating the SIM Access Profile connection)”, otherwise Excluded.

1.6 Requirements toward other layers

1.6.1 GAP requirements

Table 4: GAP Requirements (Client)

Prerequisite: SAP 1/1 “SIM Access Client (Client)”

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Bondable mode	[1] 8.1	M	[3] GAP 1/7
2	Authentication procedure	[1] 8.2	M	[3] GAP 2/1
3–4, 4a	No longer used	N/A	N/A	N/A
5	Initiation of general inquiry	[1] 8.3	M	[3] GAP 3/1
6	Initiation of general bonding	[1] 8.3	M	[3] GAP 3/5

Table 5: No longer used

Table 6: GAP Requirements (Server)

Prerequisite: SAP 1/2 “SIM Access Server (Server)”

Item	Capability	Reference	Status	Inter-Layer Dependency
1	General discoverable mode	[1] 8.1	M	[3] GAP 1/3
2	Connectable mode	[1] 8.1	M	[3] GAP 1/5
3	Bondable mode	[1] 8.1	M	[3] GAP 1/7
4	Authentication procedure	[1] 8.2	M	[3] GAP 2/1
5–7	No longer used	N/A	N/A	N/A

Table 7: No longer used

2 References

- [1] SIM Access Profile (SAP) Specification, Version 1.1 or later
- [2] SIM Access Profile (SAP) Specification, Version 1.0
- [3] ICS Proforma for Generic Access Profile (GAP)

3 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
0	1.0.1	2005-03-29	Prepare for publication
1	1.0.2	2005-06-03	Corrected Tables SAP 4, 5, 6, and 7 references to GAP and LM ICS table/items.
	1.2.1r0	2006-04-11	Editorial updates for specification version 1.2 or later
2	1.2.1	2006-04-14	Prepare for publication.
	1.1.2r1	2007-08-02	Add Secure Simple Pairing information
	1.1.2r2	2008-07-14	Updates from BTI initial comments
	1.1.2r3	2008-07-29	Added Table 0: Versions Added Footnote to C.5 to Tables 2 and 3 Corrected version on title page and in Rev History from 1.2.x to 1.0.x and 1.1.x Added new version number on title page.
3	1.1.2	2008-11-26	Correct Document IDs. Prepare for publication.
	1.1.3r0	2010-09-09	TSE 2907: Change Table 7 title from Client to Server TSE 3359: Add PICS item 3/9a for TP/RPS/BV-01-I
4	1.1.3	2011-07-21	Prepare for publication.
	1.1.4r0	2011-11-14	TSE 4487: Table 2/1b, 3/1b: Delete footnote C.5
5	1.1.4	2012-03-30	Prepare for publication.
	1.1.1.0r00	2015-10-28	Updated version numbering to align with Specification version change from 1.1 to 1.1.1 for ESR09. With the specification taking a third identifying number, the ICS version identifier moves to the fourth number and starts again at 0.
	1.1.1.0r01	2015-11-02	Added item 0/3 for new Specification version 1.1.1 (ESR09).
	1.1.1.0r02	2015-11-20	Reviewed by Alicia Courtney. Converted to current document template.
	1.1.1.0r03	2015-11-24	Added Table 0a for minor profile versions.
6	1.1.1.0	2015-12-22	Prepared for TCRL 2015-2 publication
	1.1.1.1r00	2017-08-18	TSE 9517: Fixed Application Features (Server) table number.
	1.1.1.1r01	2017-09-21	Update template.
7	1.1.1.1	2017-11-28	Approved by BTI. Prepared for TCRL 2017-2 publication.
	1.1.1.1 ed2r00	2021-01-16	TSE 15988 (rating 1): Changes for Deprecation.
	1.1.1.1 edition 2	2021-02-01	Approved by BTI on 2021-01-18. Prepared for edition 2 publication.
	1.1.1.1 ed3r00	2021-11-02	TSE 17771 (rating 1): Updated for deprecation and withdrawal decisions and consistency checker fixes. Template-related editorials.

Publication Number	Revision Number	Date	Comments
	1.1.1.1 edition 3	2021-11-24	Approved by BTI on 2021-11-08. Prepared for edition 3 publication.
	p8r00–r01	2023-10-18 – 2023-11-27	TSE 23943 (rating 2): Updated GAP inter-layer dependencies. Updated the Status value for Items 2/1b and 3/1b. Corrected a typographical error in Item 1/2. Deleted C.4 from Table 2. Updated the prerequisite for Tables 3 and 6. In Table 3, marked C.4 as no longer used. In Table 4, updated the references in the ILD column, marked Items 3–4 and 4a as no longer used, and deleted C.1. In Table 6, updated the references in the ILD column, marked Items 5–7 as no longer used, and deleted C.1. Updated the references list. Made editorial edits to align the document with the latest ICS template, including updates to the IUT identification section, section and table titles, and spacing and removal of “is supported” language from conditionals. Deleted draft revision history comments prior to p0.
8	p8	2024-07-01	Approved by BTI on 2024-05-22. Prepared for TCRL 2024-1 publication.

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