

Phone Book Access Profile (PBAP)

Bluetooth® Implementation Conformance Statement (ICS) Proforma

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1 General principles

1.1 Implementation Under Test (IUT) identification

Using the Bluetooth SIG qualification tool, the implementer is expected to declare details about what will be implemented.

1.2 Enforcement of inter-layer dependencies

This ICS includes one or more tables with inter-layer dependencies (ILDs). ILDs are used for specification requirements that are dependent on other supporting specifications. ILDs can refer to an individual ICS item in a separate layer (individual ILD), or it can refer to the full layer (full-layer ILD).

ILDs residing in an X2Core layer will be enforced from the Bluetooth SIG qualification tool in the following conditions, depending on where the referred ILD is residing:

Referred ILD resides in	Individual ILD	Full-layer ILD
Controller layer	Core-Complete configuration, or Referred layer is supported	N/A
Lower HCI layer	HCI is supported	N/A
Upper HCI layer	Core-Host configuration, or UHCI is supported	N/A
Host layer	Core-Host configuration, or Core-Complete configuration, or Referred layer is supported	N/A
X2Core layer	Core-Host configuration, or Core-Complete configuration, or Referred layer is supported	Core-Host configuration, or Core-Complete configuration

Table 1.1: Enforcement of an ILD within the Bluetooth SIG qualification tool

2 ICS declarations

2.1 Versions

Table 0: No longer used

Table 0a: No longer used

Table 2a: PCE – X.Y Versions

Prerequisite: PBAP 1/1 “PCE”

Item	Version	Reference	Status
1	PBAP 1.0**	PBAP 1.0	Deprecated 2015-11-19. Withdrawn 2023-02-01.
2	PBAP 1.1	PBAP 1.1	C.1, C.2
3	PBAP 1.2	PBAP 1.2	C.1, C.3

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

C.2: Can only be supported with an active X.Y.Z version after Deprecation or Withdrawal. Deprecated 2015-11-19. Withdrawn 2023-02-01.

C.3: Can only be supported with an active X.Y.Z version after Deprecation or Withdrawal. Deprecated 2021-02-01. Withdrawn 2024-02-01.

Table 2b: PCE – X.Y.Z Versions

Prerequisite: PBAP 1/1 “PCE”

Item	Version	Reference	Status
1	PBAP 1.1.1	PBAP 1.1.1	C.1
2	PBAP 1.2.1**	PBAP 1.2.1	Deprecated 2021-02-01. Withdrawn 2024-02-01.
3	PBAP 1.2.3	PBAP 1.2.3	C.2

C.1: Mandatory IF PBAP 2a/2 “PBAP 1.1”, otherwise Excluded.

C.2: Mandatory IF PBAP 2a/3 “PBAP 1.2”, otherwise Excluded.

Table 9a: PSE – X.Y Versions

Prerequisite: PBAP 1/2 “PSE”

Item	Version	Reference	Status
1	PBAP 1.0**	PBAP 1.0	Deprecated 2015-11-19. Withdrawn 2023-02-01.
2	PBAP 1.1	PBAP 1.1	C.1, C.2
3	PBAP 1.2	PBAP 1.2	C.1, C.3

** 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.

- C.1: Mandatory to support one and only one.
- C.2: Can only be supported with an active X.Y.Z version after Deprecation or Withdrawal. Depreciated 2015-11-19. Withdrawn 2023-02-01.
- C.3: Can only be supported with an active X.Y.Z version after Deprecation or Withdrawal. Depreciated 2021-02-01. Withdrawn 2024-02-01.

Table 9b: PSE – X.Y.Z Versions

Prerequisite: PBAP 1/2 “PSE”

Item	Version	Reference	Status
1	PBAP 1.1.1	PBAP 1.1.1	C.1
2	PBAP 1.2.1**	PBAP 1.2.1	Depreciated 2021-02-01. Withdrawn 2024-02-01.
3	PBAP 1.2.3	PBAP 1.2.3	C.2

C.1: Mandatory IF PBAP 9a/2 “PBAP 1.1”, otherwise Excluded.

C.2: Mandatory IF PBAP 9a/3 “PBAP 1.2”, otherwise Excluded.

2.2 Core Configuration

Table 0b: Core Configuration Requirements

Item	Core Configuration	Reference	Status
1	Profile supported over BR/EDR	[1] 2.1	C.1, C.3
2	Profile supported over LE	[1] 2.1	C.2

C.1: Excluded for this Profile IF CORE 41/2 “LE Core Configuration”.

C.2: Excluded for this Profile.

C.3: Mandatory for this Profile.

2.3 Roles

Table 1: Role Requirements

Item	Role	Reference	Status
1	PCE	[1] 2.2	C.1
2	PSE	[1] 2.2	C.1

C.1: Mandatory to support at least one.

2.4 PCE Features

Table 2: Supported Features (PCE)

Prerequisite: PBAP 1/1 “PCE”

Item	Capability	Reference	Status
1	Phone Book Download	[1] 4.1	C.1
2	Phone Book Browsing	[1] 4.1	C.1
3	Session Management	[1] 2.4	M
4	Able to Request Size of the Phonebook	[1] 5.1.4.3, 5.3.4.4	O

Item	Capability	Reference	Status
5	Database Identifier	[5] 5.1.4.9	C.2
6	Folder Version Counters	[5] 5.1.4.8	C.2
7	vCard Selecting	[5] 5.1.4.7	C.2
7a	Able to send vCardSelector	[5] 5.1.4.7	C.2
7b	Able to send vCardSelectorOperator	[5] 5.1.4.7	C.2
8	Enhanced Missed Calls	[5] 5.1.4.6, 5.1.4.10	C.4
8a	Able to reset the missed Calls	[5] 5.1.4.6, 5.1.4.10	C.2
9	X-BT-UCI vCard Property	[5] 3.1.4.5	C.2
9a	Able to request X-BT-UCI Property	[5] 3.1.4.5	C.2
10	X-BT-UID vCard Property	[5] 3.1.4.4	C.2
10a	Referencing Contacts	[5] 3.1.4.4	C.2
12	Contact Image Default Format	[5] 3.1.6.2	C.2
12a	Able to request Contact Images	[5] 3.1.6.2	C.2
Supported Phonebook Objects			
13a	Telecom/pb	[1] 3.1.5	C.3
13b	Telecom/ich	[1] 3.1.5	C.3
13c	Telecom/och	[1] 3.1.5	C.3
13d	Telecom/mch	[1] 3.1.5	C.3
13e	Telecom/cch	[1] 3.1.5	C.3
13f	Telecom/spd	[5] 3.1.5	C.2
13g	Telecom/fav	[5] 3.1.5	C.2
13h	SIM1/Telecom/pb	[1] 3.1.5	C.3
13i	SIM1/Telecom/ich	[1] 3.1.5	C.3
13j	SIM1/Telecom/och	[1] 3.1.5	C.3
13k	SIM1/Telecom/mch	[1] 3.1.5	C.3
13l	SIM1/Telecom/cch	[1] 3.1.5	C.3
Search Behavior			
14	Able to send SearchProperty	[5] 5.3.4.2	O
14a	Able to send SearchValue	[5] 5.3.4.3	O

C.1: Mandatory to support at least one.

C.2: Optional IF PBAP 2a/3 "PBAP 1.2", otherwise Excluded.

C.3: Mandatory to support at least one.

C.4: Optional IF PBAP 2a/3 "PBAP 1.2" AND (PBAP 2/13d "Telecom/mch" OR PBAP 2/13e "Telecom/cch" OR PBAP 2/13k "SIM1/Telecom/mch" OR PBAP 2/13l "SIM1/Telecom/cch"), otherwise Excluded.

Table 3: Supported Phone Book Download Functions (PCE)

Prerequisite: PBAP 1/1 "PCE"

Item	Capability	Reference	Status
1	PullPhonebook	[1] 4.2	C.1



C.1: Mandatory IF PBAP 2/1 “Phone Book Download”, otherwise Excluded.

Table 4: Supported Phone Book Browsing Functions (PCE)

Prerequisite: PBAP 1/1 “PCE”

Item	Capability	Reference	Status
1	SetPhonebook	[1] 4.3	C.1
2	PullvCardListing	[1] 4.3	C.1
3	PullvCardEntry	[1] 4.3	C.1

C.1: Mandatory IF PBAP 2/2 “Phone Book Browsing”, otherwise Excluded.

Table 5: Used vCard Formats (PCE)

Prerequisite: PBAP 1/1 “PCE”

Item	Capability	Reference	Status
1	VCard 2.1	[1] 3.1.4	C.1
2	VCard 3.0	[1] 3.1.4	C.1

C.1: Mandatory to support at least one.

2.4.1 PCE Features – OBEX

Table 6: OBEX Functions for PCE

Prerequisite: PBAP 1/1 “PCE”

Item	OBEX Operation	Reference	Status
1	Connect	[1] 6.1	M
2	Disconnect	[1] 6.1	M
3	Get	[1] 6.1	M
4	Abort	[1] 6.1	O
5	SetPath	[1] 6.1	C.1
6	Initiating OBEX Authentication	[1] 6.3	C.2
7	Responding to OBEX Authentication	[1] 6.3	M

C.1: Mandatory IF PBAP 2/2 “Phone Book Browsing”, otherwise Excluded.

C.2: Optional IF PBAP 2a/2 “PBAP 1.1”, otherwise Excluded.

Table 7: PCE OBEX Header Support

Prerequisite: PBAP 1/1 “PCE”

Item	OBEX Header	Reference	Status
1	Name	[1] 6.2	M
2	Type	[1] 6.2	M
3	Body	[1] 6.2	M
4	End of Body	[1] 6.2	M

Item	OBEX Header	Reference	Status
5	Target	[1] 6.2	M
6	Who (ability to parse)	[1] 6.2	M
7	Connection ID	[1] 6.2	M
8	Authentication Challenge	[1] 6.2	M
9	Authentication Response	[1] 6.2	M
10	Application Parameters	[1] 6.2	M
11	Single Response Mode	[5] 5.1.5	C.1
12	Single Response Mode Parameter (ability to parse)	[5] 5.1.5	C.1
13	Single Response Mode Parameter (ability to send)	[5] 5.1.5	C.2

C.1: Mandatory IF PBAP 2a/3 "PBAP 1.2", otherwise Excluded.

C.2: Optional IF PBAP 2a/3 "PBAP 1.2", otherwise Excluded.

Table 8: OBEX Error Codes for PCE

Prerequisite: PBAP 1/1 "PCE"

Item	OBEX Error Code	Reference	Status
1	Bad Request	[1] 6.2.3	M
2	Not Implemented	[1] 6.2.3	M
3	Unauthorized	[1] 6.2.3	M
4	Precondition Failed	[1] 6.2.3	M
5	Not Found	[1] 6.2.3	M
6	Not Acceptable	[1] 6.2.3	M
7	Service Unavailable	[1] 6.2.3	M
8	Forbidden	[1] 6.2.3	M

2.5 PSE Features

Table 9: Supported Features (PSE)

Prerequisite: PBAP 1/2 "PSE"

Item	Capability	Reference	Status
1	Phone Book Download	[1] 4.1	M
2	Phone Book Browsing	[1] 4.1	M
3	Session Management	[1] 2.4	M
4	Able to Return the size of the Phonebook	[1] 5.1.4.3, 5.3.4.4	M
5	Database Identifier	[5] 5.1.4.9	C.1
5a	Able to keep a persistent Database Identifier	[5] 5.1.4.9	C.2
5b	Able to regenerate a Database Identifier	[5] 5.1.4.9	C.2
6	Folder Version Counters	[5] 5.1.4.8	C.1

Item	Capability	Reference	Status
6a	Able to Insert or Remove Entries	[5] 5.1.4.8	C.2
6b	Able to Modify contact primary Properties*	[5] 5.1.4.8	C.2
6c	Able to Modify contact secondary Properties	[5] 5.1.4.8	C.2
7	vCard Selecting	[5] 5.1.4.7	C.1
8	Enhanced Missed Calls	[5] 5.1.4.6, 5.1.4.10	C.4
9	X-BT-UCI vCard Property	[5] 3.1.4.5	C.2
10	X-BT-UID vCard Property	[5] 3.1.4.4	C.2
10a	Referencing Contacts	[5] 3.1.4.4	C.3
12	Contact Image Default Format	[5] 3.1.6.2	C.1
12a	Able to return Contact Images	[5] 3.1.6.2	C.2
Supported Repositories			
13a	Telecom/pb	[1] 3.1.5	M
13b	Telecom/ich	[1] 3.1.5	O
13c	Telecom/och	[1] 3.1.5	O
13d	Telecom/mch	[1] 3.1.5	O
13e	Telecom/cch	[1] 3.1.5	O
13f	Telecom/spd	[5] 3.1.5	C.2
13g	Telecom/fav	[5] 3.1.5	C.2
13h	SIM1/Telecom/pb	[1] 3.1.5	O
13i	SIM1/Telecom/ich	[1] 3.1.5	O
13j	SIM1/Telecom/och	[1] 3.1.5	O
13k	SIM1/Telecom/mch	[1] 3.1.5	O
13l	SIM1/Telecom/cch	[1] 3.1.5	O
Deleted Handles Behavior			
14a	Error reporting	[1] 3.1.5.1	C.5
14b	Change tracking	[1] 3.1.5.1	C.5

- C.1: Mandatory IF PBAP 9a/3 "PBAP 1.2", otherwise Excluded.
- C.2: Optional IF PBAP 9a/3 "PBAP 1.2", otherwise Excluded.
- C.3: Optional IF PBAP 9/10 "X-BT-UID vCard Property", otherwise Excluded.
- C.4: Optional IF PBAP 9a/3 "PBAP 1.2" AND (PBAP 9/13d "Telecom/mch" OR PBAP 9/13e "Telecom/cch" OR PBAP 9/13k "SIM1/Telecom/mch" OR PBAP 9/13l "SIM1/Telecom/cch"), otherwise Excluded.
- C.5: Mandatory to support at least one.

Table 10: Supported Phone Book Download Functions (PSE)

Prerequisite: PBAP 1/2 "PSE"

Item	Capability	Reference	Status
1	PullPhonebook	[1] 4.2	M
2	Call History Function	[1] 3.1.4.1	O

Table 11: Supported Phone Book Browsing Functions (PSE)*Prerequisite: PBAP 1/2 "PSE"*

Item	Capability	Reference	Status
1	SetPhonebook	[1] 4.3	M
2	PullvCardListing	[1] 4.3	M
3	PullvCardEntry	[1] 4.3	M

Table 12: Used vCard Formats (PSE)*Prerequisite: PBAP 1/2 "PSE"*

Item	Capability	Reference	Status
1	VCard 2.1	[1] 3.1.4	M
2	VCard 3.0	[1] 3.1.4	M

2.5.1 PSE Features – OBEX

Table 13: OBEX Functions for PSE*Prerequisite: PBAP 1/2 "PSE"*

Item	OBEX Operation	Reference	Status
1	Connect	[1] 6.1	M
2	Disconnect	[1] 6.1	M
3	Get	[1] 6.1	M
4	Abort	[1] 6.1	M
5	SetPath	[1] 6.1	M
6	Initiating OBEX Authentication	[1] 6.3	C.1
7	Responding to OBEX Authentication	[1] 6.3	M

C.1: Optional IF PBAP 9a/2 "PBAP 1.1", otherwise Excluded.

Table 14: PSE OBEX Header Support*Prerequisite: PBAP 1/2 "PSE"*

Item	OBEX Header	Reference	Status
1	Name	[1] 6.2	M
2	Type	[1] 6.2	M
3	Body	[1] 6.2	M
4	End of Body	[1] 6.2	M
5	Target (ability to parse)	[1] 6.2	M
6	Who	[1] 6.2	M
7	Connection ID	[1] 6.2	M
8	Authentication Challenge	[1] 6.2	M

Item	OBEX Header	Reference	Status
9	Authentication Response	[1] 6.2	M
10	Application Parameters	[1] 6.2	M
11	Single Response Mode	[5] 5.1.5	C.1
12	Single Response Mode Parameter (ability to parse)	[5] 5.1.5	C.1
13	Single Response Mode Parameter (ability to send)	[5] 5.1.5	C.2

C.1: Mandatory IF PBAP 9a/3 “PBAP 1.2”, otherwise Excluded.

C.2: Optional IF PBAP 9a/3 “PBAP 1.2”, otherwise Excluded.

Table 15: OBEX Error Codes for PSE

Prerequisite: PBAP 1/2 “PSE”

Item	Capability	Reference	Status
1	Bad Request	[1] 6.2.3	M
2	Not Implemented	[1] 6.2.3	M
3	Unauthorized	[1] 6.2.3	O
4	Precondition Failed	[1] 6.2.3	C.1
5	Not Found	[1] 6.2.3	M
6	Not Acceptable	[1] 6.2.3	O
7	Service Unavailable	[1] 6.2.3	M
8	Forbidden	[1] 6.2.3	O

C.1: Mandatory IF PBAP 9/14b “Change tracking”, otherwise Optional.

3 Requirements towards other Bluetooth profiles

3.1 GAP requirements

Table 16: GAP Modes for PCE

Prerequisite: PBAP 1/1 "PCE"

Item	Capability	Reference	Status	Inter-Layer Dependency
1	General discoverable mode	[1] 8.1	M	[3] GAP 1/3
2	Bondable mode	[1] 8.1	M	[3] GAP 1/7

Table 17: GAP Modes for PSE

Prerequisite: PBAP 1/2 "PSE"

Item	Capability	Reference	Status	Inter-Layer Dependency
1	General discoverable mode	[1] 8.1	M	[3] GAP 1/3
2	Bondable mode	[1] 8.1	M	[3] GAP 1/7

Table 18: No longer used

Table 19: No longer used

Table 20: No longer used

Table 21: GAP Idle Modes for PSE

Prerequisite: PBAP 1/2 "PSE"

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Initiation of general inquiry	[1] 8.2.1	M	[3] GAP 3/1
2	Initiation of limited inquiry	[1] 8.2.1	O	[3] GAP 3/2
3	Initiation of general bonding	[1] 8.2.2	M	[3] GAP 3/5

3.2 SDP requirements

Table 22: SDP Requirements (PCE)

Prerequisite: PBAP 1/1 "PCE"

Item	Capability	Reference	Status	Inter-Layer Dependency
1	BluetoothProfileDescriptorList	[1] 7.1.1	M	[2] SDP 9/14



Item	Capability	Reference	Status	Inter-Layer Dependency
2	ServiceName	[1] 7.1.1	M	[2] SDP 9/9

Table 23: SDP Requirements (PSE)*Prerequisite: PBAP 1/2 "PSE"*

Item	Capability	Reference	Status	Inter-Layer Dependency
1	ProtocolDescriptorList	[1] 7.1.2	M	[2] SDP 9/2
2	BluetoothProfileDescriptorList	[1] 7.1.2	M	[2] SDP 9/14
3	ServiceName	[1] 7.1.1	M	[2] SDP 9/9

3.3 GOEP requirements

3.3.1 GOEP 2.0 or Later Features

Table 25: GOEP 2.0 or Later Features (PCE)*Prerequisite: PBAP 2a/3 "PBAP 1.2" AND PBAP 1/1 "PCE"*

Item	Capability	Reference	Status
1	GOEP v2.0 or later	[4]	M
2	GOEP v2.0 or later Backwards Compatibility	[4] 5.2	M
3	OBEX over L2CAP	[4] 3	M
4	OBEX SRM	[4] 4.6	M
5	Send OBEX SRMP header	[4] 4.6	C.1
6	Receive OBEX SRMP header	[4] 4.6	M

C.1: Optional IF PBAP 25/4 "OBEX SRM", otherwise Excluded.

Table 26: GOEP 2.0 or Later Features (PSE)*Prerequisite: PBAP 9a/3 "PBAP 1.2" AND PBAP 1/2 "PSE"*

Item	Capability	Reference	Status
1	GOEP v2.0 or later	[4]	M
2	GOEP v2.0 or later Backwards Compatibility	[4] 5.2	M
3	OBEX over L2CAP	[4] 3	M
4	OBEX SRM	[4] 4.6	M
5	Send OBEX SRMP header	[4] 4.6	C.1
6	Receive OBEX SRMP header	[4] 4.6	M

C.1: Optional IF PBAP 26/4 "OBEX SRM", otherwise Excluded.

4 Supplementary interoperability verification

It is recommended but not required to support any of the capabilities defined below. The Bluetooth license grant obtained through Qualification is not predicated on passing any test that is linked to support of these capabilities.

Table 24: Additional Phone Book Access Capabilities

Item	Capability	Reference	Status
1	Retrieve Large Phone Book – PCE	N/A	C.1
2	Transfer Large Phone Book – PSE	N/A	C.2
3	Retrieve Empty Phone Book – PCE	N/A	C.1
4	Transfer Empty Phone Book – PSE	N/A	C.2
5	Return Phonebook – Limit number of entries	N/A	C.2
6	Return vCard listing – Limit number of entries	N/A	C.2
7	Phone Book Order	N/A	C.2
8	Call stack timestamps – PSE	N/A	C.3
9	No User Interaction – PSE	N/A	C.2
10	Special Character Handling – PSE	N/A	C.2

C.1: Optional IF PBAP 2/1 “Phone Book Download”, otherwise Excluded.

C.2: Optional IF PBAP 1/2 “PSE”, otherwise Excluded.

C.3: Optional IF PBAP 10/2 “Call History Function”, otherwise Excluded.

5 References

- [1] Bluetooth Phone Book Access Profile, Version 1.0 or later
- [2] ICS Proforma for Service Discovery Protocol (SDP)
- [3] ICS Proforma for Generic Access Profile (GAP)
- [4] Bluetooth Generic Object Exchange Profile, Version 2.0 or later
- [5] Bluetooth Phone Book Access Profile, Version 1.2 or later

6 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
0	1.0.0	2006-03-02	Publication date
	1.0.1r0	2006-11-10	TSE 1804: Fix GAP-related inherited requirement issues TSE 1945: Add Items 6/6 and 13/6 for OBEX authentication initiation TSE 1979: Fix table numbers
	1.0.1r1	2006-12-08	Input reviewer's TSE 1804 comments of 11-30 and 12-08
1	1.0.1	2007-01-10	Prepare for publication
	1.0.2r0	2009-04-29	TSE 2699: New row in Table 2 and Table 9
2	1.0.2	2009-08-10	Prepare for publication
	1.0.2a	2009-10-28	Fix radio button for 5/1 and 5/2
	1.1.3r0	2011-11-11	TSE 4113: Table 10; add row 2 TSE 4338: Table 6, Table 7, add row for Security mode 4
	1.1.3r1	2012-02-20	TSE 4685: New ICS table for Supplementary Interoperability Verification/Category-X test case mapping.
3	1.1.3	2012-03-30	Prepare for publication.
	1.3r00	2013-04-26	Initial updates for PBAPII features
	1.3r01	2013-04-30	Minor Editorial Updates
	1.3r02	2013-05-03	Updated features following an update to the TCMT in the TS
	1.3r03	2013-05-05	Addressed editorial issues
	1.2r07	2013-08-09	Changed the version number since PBAPII is now targeted as PBAP 1.2.
	1.2r08	2013-09-26	TSE 5311: Table 6. Change row 4 to O Addressed comments by BTI
	1.2r09	2013-10-03	Fixed Minor Typos and text inconsistencies and incorrect table references
4	1.2.0	2013-11-05	Adopted by the BoD
	1.2.1r00	2014-10-25	TSE 5665: Updated Table 0 and Table 0a to "No Longer Used". Added Table 2a, 2b, 9a, 9b. Updated conditional references to reflect removal of 0 and 0a and addition of the new tables, Table 2, C.2 and C.4; Table 6, C.2; Table 7, C.2 and C.2; Table 9, C.1, C.2 and C.4; Table 13, C.1; Table 14 C.1 and C.2; Table 25, prerequisite; Table 26, prerequisite.
	1.2.1r01	2014-11-10	BTI Review
	1.2.1r02	2014-11-25	Corrected Stephen's company name.
5	1.2.1	2014-12-08	Prepared for TCRL 2014-2 publication

Publication Number	Revision Number	Date	Comments
	1.2.2r00	2015-04-29	TSE 5864: Added items 14 and 14a to Table 2 for Search Behavior
	1.2.2r01	2015-06-05	Deleted Section 1.2 (Global Statement of Conformance) per current template standards.
6	1.2.2	2015-07-14	Prepared for TCRL 2015-1 publication
	1.2.1.0r00	2015-11-23	Updated version numbering to align with Specification version change from 1.2 to 1.2.1 for ESR09. With the specification taking a third identifying number, the ICS version identifier moves to the fourth number and starts again at 0. Added items 2b/2 and 9b/2 for minor version support.
7	1.2.1.0	2015-12-22	Prepared for TCRL 2015-2 publication.
	1.2.1.1r00	2018-05-09	TSE 10587 (rating 2): Template Conversion. Removed IXIT items to separate IXIT spreadsheet format.
8	1.2.1.1	2018-07-01	Approved by BTI. Prepared for TCRL 2018-1 publication.
	1.2.1.2r00–r01	2018-08-20 – 2018-09-24	Drafted 2019 Deprecation & Withdrawal changes. Deprecation & Withdrawal changes following BTI review: Updated tables 2a, 2b, 9a, 9b with deprecation dates for PBAP 1.0 and 1.1. Updated conditionals accordingly to enforce selection of a single version.
9	1.2.3.0	2018-11-09	Updated version number from 1.2.1.2 to 1.2.3.0 to align with adoption of the specification 1.2.3. Added items 2b/3 and 9b/3 for the new version.
	1.2.3.1r00	2019-04-29	TSE 11972 (rating 2): Aligned PBAP ICS with the conventions discussed at the BTI Face to Face for deprecation and withdrawal impact. GAP Tables 18–19 are no longer needed. Version Tables reference SDP versions. PBAP 1.1 (which was removed in Launch Studio) comes back but has a clear dependency on PBAP 1.1.1.
10	1.2.3.1	2020-01-07	Approved by BTI on 2019-11-17. Prepared for TCRL 2019-2 publication.
	1.2.3.1ed2 r00	2021-01-16	TSE 15986 (rating 1): Updates for Deprecation.
	1.2.3.1 edition 2	2021-02-01	Approved by BTI on 2021-01-18. Prepared for edition 2 publication.
	1.2.3.1ed3 r00–r01	2021-04-05	TSE 16037 (rating 1): Updated incorrect item numbers in Table 9. Made template-related editorials, including assigning publication number 10 to previous v1.2.3.1. Added consistency checker fixes. TSE 16792 (rating 1): Updated the References section and refreshed cross-references within the tables to keep everything aligned, and updated several items, conditionals, and ILD entries per consistency checker findings.

Publication Number	Revision Number	Date	Comments
	1.2.3.1 edition 3	2021-05-21	Approved by BTI on 2021-05-06. Prepared for edition 3 publication.
	1.2.3.1ed4 r00–r01	2021-08-30 – 2021-09-24	TSE 17431 (rating 1): Editorial corrections to table titles for Tables 2a, 2b, 9a, and 9b. Consistency checker editorials to align with the wording in the latest ICS template.
	1.2.3.1 edition 4	2021-09-28	Approved by BTI on 2021-09-27. Prepared for edition 4 publication.
	1.2.3.1ed5 r00–r03	2023-02-08 – 2023-02-20	TSE 22627 (rating 1): Adjusted the current Withdrawal date from February 2023 to February 2024 for PBAP 1.2 and 1.2.1. Moved Versions tables to the beginning of the document. Editorials to align the document with the latest ICS template.
	1.2.3.1 edition 5	2023-02-27	Approved by BTI on 2023-02-23. Prepared for edition 5 publication.
	p11r00	2023-10-18	TSE 23945 (rating 2): Added missing GAP inter-layer dependencies in Tables 21–23. Updated the Reference value for Item 2 in Table 21. Deleted unnecessary introductory text in the OBEX sections and Section 2. Updated to align with the latest ICS template, including updates to the section and table titles.
11	p11	2024-07-01	Approved by BTI on 2024-05-22. Prepared for TCRL 2024-1 publication.
	p12r00	2025-02-27	TSE 27013 (rating 2): Added “Core Configuration” section and Table 0b. Updated Tables 2a and 9a conditionals C.2 and C.3. Editorial updates to titles for Tables 0, 0a, 18, 19, and 20 and “GOEP requirements” heading. Applied the current ICS template.
12	p12	2025-07-08	Approved by BTI on 2025-05-30. Prepared for TCRL pkg100 publication.

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