File Transfer Profile (FTP)

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

- ▪ **Revision:** FTP.ICS.p9
- ▪ **Revision Date:** 2024-07-01
- ▪ **Prepared By:** BTI
- ▪ **Published during TCRL:** TCRL.2024-1

Contents

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   Roles

Table 1: Role Requirements

Item	Role	Reference	Status
1	File Transfer Server	[3] 2.2	C.1
2	File Transfer Client	[3] 2.2	C.1

C.1:   Mandatory to support at least one.

1.3   File Transfer Server Role

1.3.1   Server Profile Version

Table 1b: Server – X.Y Versions

Prerequisite: FTP 1/1 "File Transfer Server"

Item	Version	Reference	Status
1	FTP v1.1**	[1] FTP v1.1	Deprecated 2022-02-01. Withdrawn 2023-02-01.
2	FTP v1.2**	[2] FTP v1.2	Deprecated 2013-07-24. Withdrawn 2022-02-01.
3	FTP v1.3	[3] FTP v1.3	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 Withdrawn 2022-02-01.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 1c: Server – X.Y.Z Versions

Prerequisite: FTP 1/1 "File Transfer Server"

Item	Version	Reference	Status
1	FTP v1.3.1	[3] FTP v1.3.1	C.1

C.1:   Mandatory IF FTP 1b/3 "FTP v1.3", otherwise Excluded.

1.3.2   Server Application Features

Table 2: Server Application Features

Prerequisite: FTP 1/1 "File Transfer Server"

Item	Capability	Reference	Status
	Select Server		
1	Put Server in File Transfer mode	[3] 4.2	M

** 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
2	Accept/Respond to List Server requests	[3] 4.2	M
3	Perform PIN check	[3] 4.2	O
	Folder Browsing		
4	Accept/Respond to Browse folder requests	[3] 4.2	M
4a	Accept/ Respond to browse folder and sub folder requests	[3] 2.3	O
5	Accept Set folder requests	[3] 4.2	M
6	Support Sub Folders	[3] 4.2	O
7	Support read-only files	[3] 2.3	O
8	Support read-only folders	[3] 2.3	O
9	Support non-browsable folders	[3] 2.3	O
	Object Transfer		
10	Accept Push file requests	[3] 4.3	C.1
11	Accept Push folder requests	[3] 4.3	O
12	Accept Pull folder requests	[3] 4.3	O
13	Accept Pull file requests	[3] 4.3	C.1
	Object Manipulation		
14	Accept Create folder requests	[3] 4.4	O
15	Accept Delete file requests	[3] 4.4	O
16	Accept Delete folder requests	[3] 4.4	O
17	Accept Delete non-empty folder requests	[3] 4.4	O
	FTP v1.2 or later Object Manipulation		
18	Rename File	[3] 5.9.2	O
19	Rename Folder	[3] 5.9.2	O
20	Move File	[3] 5.9.2	O
21	Move Folder	[3] 5.9.2	O
22	Copy File	[3] 5.9.3	O
23	Copy Folder	[3] 5.9.3	O
24	Set Permissions on File	[3] 5.9.4	O
25	Set Permissions on Folder	[3] 5.9.4	O
	FTP v1.2 or later Features		
26	GOEP v2.0 or later	[3]	M
27	GOEP v2.0 or later Backwards Compatibility	[3] 5.2	M
28	OBEX over L2CAP	[4]	M
29	OBEX Reliable Session	[3] 4.7	O
30	OBEX SRM	[3] 4.6	O
31	Send OBEX SRMP header	[3] 4.6	O
32	Receive OBEX SRMP header	[3] 4.6	C.4

C.1:   Mandatory to support at least one.

C.2–C.3:   No longer used.

C.4:   Mandatory IF FTP 2/30 "OBEX SRM", otherwise Excluded.

1.4 File Transfer Client Role

1.4.1 Client Profile Version

Table 2b: Client – X.Y Versions

Prerequisite: FTP 1/2 "File Transfer Client"

Item	Version	Reference	Status
1	FTP v1.1**	[1] FTP v1.1	Deprecated 2022-02-01. Withdrawn 2023-02-01.
2	FTP v1.2**	[2] FTP v1.2	Deprecated 2013-07-24. Withdrawn 2022-02-01.
3	FTP v1.3	[3] FTP v1.3	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 2c: Client – X.Y.Z Versions

Prerequisite: FTP 1/2 "File Transfer Client"

Item	Version	Reference	Status
1	FTP v1.3.1	[3] FTP v1.3.1	C.1

C.1:   Mandatory IF FTP 2b/3 "FTP v1.3", otherwise Excluded.

1.4.2 Client Application Features

Table 3: Client Application Features

Prerequisite: FTP 1/2 "File Transfer Client"

Item	Capability	Reference	Status
	Select Server		
1	List	[3] 4.2	M
2	Select Server	[3] 4.2	M
3	PIN check	[3] 4.2	O
	Folder Browsing		
4	Browse Folder	[3] 4.2	M
5	Set Folder	[3] 4.2	M
	Object Transfer		
6	Push File	[3] 4.3	C.1
7	Push folder	[3] 4.3	O
8	Pull folder	[3] 4.3	O
9	Pull file	[3] 4.3	C.1
	Object Manipulation		
10	Create Folder	[3] 4.4	O

Item	Capability	Reference	Status
11	Delete file	[3] 4.4	O
12a	Delete folder (without first deleting contained files)	[3] 4.4	O
12b	Delete folder (by first deleting contained files)	[3] 4.4	O
	FTP v1.2 or later Object Manipulation		
13	Rename File	[2] 5.9.2	O
14	Rename Folder	[2] 5.9.2	O
15	Move File	[2] 5.9.2	O
16	Move Folder	[2] 5.9.2	O
17	Copy File	[2] 5.9.3	O
18	Copy Folder	[2] 5.9.3	O
19	Set Permissions on File	[2] 5.9.4	O
20	Set Permissions on Folder	[2] 5.9.4	O
	FTP v1.2 or later Features		
21	GOEP v2.0 or later	[4]	M
22	GOEP v2.0 or later Backwards Compatibility	[4] 5.2	M
23	OBEX over L2CAP	[5]	M
24	OBEX Reliable Session	[4] 4.7	O
25	OBEX SRM	[4] 4.6	O
26	Send OBEX SRMP header	[4] 4.6	O
27	Receive OBEX SRMP header	[4] 4.6	C.4

C.1:   Mandatory to support at least one.

C.2–C.3:   No longer used.

C.4:   Mandatory IF FTP 3/25 "OBEX SRM", otherwise Excluded.

1.5   GAP requirements

Table 4: GAP Requirements – FTP Server

Prerequisite: FTP 1/1 "File Transfer Server"

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Bondable mode	[3] 2.4	M	[6] GAP 1/7

Table 5: GAP Requirements – FTP Client

Prerequisite: FTP 1/2 "File Transfer Client"

Item	Capability	Reference	Status	Inter-Layer Dependency
1	Bondable mode	[3] 2.4	M	[6] GAP 1/7

2 References

[1] File Transfer Profile (FTP) Specification, Version 1.1

[2] File Transfer Profile (FTP) Specification, Version 1.2

[3] File Transfer Profile (FTP) Specification, Version 1.3 or later

[4] Generic Object Exchange Profile (GOEP) Specification, Version 2.0 or later

[5] IrDA Interoperability Specification, Version 2.0 or later

[6] ICS Proforma of Generic Access Profile (GAP)

3 Revision history and acknowledgments

Revision History

Publication Number	Revision Number	Date	Comments
0	1.1.1	2004-12-17	Incorporate September 2002 Addendum: TSE 593 for Table FTP 2 and Table FTP 3 TSE 675 for Table FTP 2. Format and editorial changes.
	1.1.2r0	2005-08-26	TSE 806: Edit Revision History TMCT 2/10 and 2/13
1	1.1.2	2005-10-16	Prepare for publication.
	1.1.3r0	2006-11-16	TSE #1874: Table 3: Split 12 into 12a and 12b
2	1.1.3	2007-01-08	Prepare for publication.
	1.1.4	2010-04-01	Updated for FTP version 1.2
	1.1.5	2010-04-09	Corrected item numbering
	1.1.6	2010-04-16	Fixed incorrect table item references in comments
	1.2.0r0-2	2010-07-08 – 2010-08-10	Update version number to match spec version number, editorial update, and corrections to Tables 2 and 3, correct disclaimer
3	1.2.0	2010-08-10	Publication version
	1.3.0r0	2012-06-13	Add versioning updates to Table 1b and 2b to accommodate FTP_SPEC_v1.3
4	1.3.0	2012-07-24	Prepare for publication.
	1.3.1.0r00	2015-10-28	Updated version numbering to align with Specification version change to 1.3.1 for ESR09.
	1.3.1.0r01	2015-11-02	Added item 1b/4 and 2b/4 for new Specification version 1.3.1 (ESR09).
	1.3.1.0r02	2015-11-20	Converted to current document template.
	1.3.1.0r03	2015-11-24	Added Tables 1b and 2b for minor profile versions.
5	1.3.1.0	2015-12-22	Prepared for TCRL 2015-2 publication.
	1.3.1.1r00	2018-04-04	TSE 10572 (rating 1): Template Conversion.
6	1.3.1.1	2018-07-01	Approved by BTI. Prepared for TCRL 2018-1 publication.
	1.3.1.2r00	2018-09-21	Updated Tables 1b and 2b with deprecation information for FTP v1.2.
7	1.3.1.2	2018-11-21	Approved by BTI. Prepared for TCRL 2018-2 publication.
	p8r00–r04	2021-03-31 – 2021-05-24	TSE 15979 (rating 1): Added deprecation and withdrawal information and made miscellaneous fixes to items and conditionals noted by the consistency checker. TSE 16972 (rating 1): Updated 1b C.1 and 2b C.1 to align with appropriate versions. Updated the status of 2/10 to the correct conditional. Template-related and consistency checker editorials, including setting previous v1.3.1.2 as p7.

Publication Number	Revision Number	Date	Comments
8	p8	2021-07-13	Approved by BTI on 2021-06-03. Prepared for TCRL 2021-1 publication.
	p8ed2 r00–r01	2021-07-22 – 2021-09-24	TSE 17167 (rating 1): Corrected the deprecation dates for FTP v1.2 in Tables 1b and 2b. Consistency checker editorials to align with the wording from the latest ICS template.
	p8 edition 2	2021-09-28	Approved by BTI on 2021-09-27. Prepared for edition 2 publication.
	p9r00–02	2023-10-12 – 2023-11-27	TSE 23940 (rating 2): Resolved GAP inter-layer dependencies. In Table 1, updated C.1. In Tables 1b and 2b, marked Items 1 and 2 as deprecated, updated C.1 and C.2, and deleted C.3. In Tables 2 and 3, updated Reference values, updated C.1 and C.4, and marked C.2 and C.3 as no longer used. Added Tables 4 and 5 (GAP requirements). Updated the references list. Updated to align with the latest ICS template, including updates to the IUT identification section. Updated references, and updated the copyright page to the latest standard.
9	p9	2024-07-01	Approved by BTI on 2024-05-22. Prepared for TCRL 2024-1 publication.