



INTERNATIONAL STANDARD ISO 8571-3 : 1988
TECHNICAL CORRIGENDUM 1

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Information processing systems — Open Systems Interconnection — File Transfer, Access and Management —

Part 3: File Service Definition

TECHNICAL CORRIGENDUM 1

*Systèmes de traitement de l'information — Interconnexion de systèmes ouverts — Gestion, accès et transfert de fichier —
Partie 3: Définition du service de transfert de fichier*

RECTIFICATIF TECHNIQUE 1

Technical corrigendum 1 to International Standard ISO 8571-3 : 1988 was prepared by ISO/IEC JTC 1, *Information technology*.

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Clause 2

Delete reference to ISO 9804, ISO 9805, and the footnote and insert the following:

"ISO/IEC 9804, Information technology — Open Systems Interconnection — Service definition for the Commitment, Concurrency and Recovery service element.

ISO/IEC 9805, Information technology — Open Systems Interconnection — Protocol specification for the Commitment, Concurrency and Recovery service element."

UDC 681.3.621.39

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Subclause 8.2.1

Second paragraph, line 4, delete "is a sequence of:" and insert "requested by the initiator is a series of requests consisting of:"

Subparagraphs 1) and 3), lines 1, delete "grouped sequence" and insert "grouped series of requests"

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Subclause 8.2.3

Second paragraph, line 4, delete "is a sequence of:" and insert "requested by the initiator is a series of requests consisting of:"

Subclause 8.2.4

Second paragraph, line 4, delete "is either;" and insert "requested by the initiator is either:"

Subparagraph 1), line 1, delete "grouped sequence" and insert "grouped series of requests" and line 2, delete "sequence" and insert "series"

Subparagraph 3), line 1, delete "grouped sequence" and insert "grouped series of requests" and line 9, delete "or a single grouped sequence to effect file management" and insert "or a single grouped series of requests to effect file management"

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Subclause 12.2

Line 4, delete "primitive sequences" and insert "series of requests requested by the initiator"

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Subclause 13.8

Delete the text of 13.8 and insert the following:

"The concurrency control parameter provides a mechanism for the initiator to ensure that an initiator has a consistent view of the file by restricting shared access. The value is a vector whose elements indicate, for each of the actions specified in the requested access parameter, independent control of the possible set of actions on the selected or newly created file for duration of the select regime. Those actions specified in the concurrency control parameter, and not requested by the initiator in the requested access parameter, fall outside of the possible actions on the file and hence are not controllable by the initiator. Thus, the only locks useable for the available actions (those specified by the initiator in the requested access parameter) are *not required*, *shared*, *exclusive* and *no access*.

"For every file section or file open regime, each lock is either defaulted or specified in one of the following categories:

- a) not required — I will not perform the operation — others may;
- b) shared — I may perform the operation — so can others;
- c) exclusive — I can perform the operation — others cannot;
- d) no access; no one may perform the action.

"Independent control is available on the following actions: read, insert, replace, extend, erase, read attribute, change attribute and delete file.

"If the FADU locking functional unit has not been negotiated or the *Enable FADU locking* parameter on the F-OPEN request was set off the scope of the concurrency lock remains in place for the duration of the regime that the lock was requested (SELECT or OPEN).

"If the FADU locking is requested, the *FADU locking* functional unit is negotiated and the *Enable FADU locking* parameter on the F-OPEN request was set on, concurrency controls specified at the time the file is opened are not applied immediately (although any concurrency control requested at file selection remains in force). Instead the control requested is applied for the duration of each file access requested. In addition, individual file access data units (FADUs) can have a lock applied for some period within the file open regime, bounded by a pair of file access actions which are marked by the *Enable FADU locking* parameter.

"This parameter is used to set the current concurrency control activity attribute."

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Subclause 13.9

Delete the text of 13.9 and insert the following:

“The lock on a file access data unit can have two states — on or off. While the lock is off, the actions specified as shared for the file as a whole can be performed concurrently with other similar accesses. However when the lock is on as a result of setting the *Enable FADU locking* parameter, that user takes *exclusive* control (or *no access* in place of actions requested as *not required*) of the whole file access data unit concerned.

“Locks may be turned on or off in association with the F-LOCATE, F-READ, or F-WRITE actions; requests to turn a lock on are honoured before the associated action is performed, while requests to turn them off are honoured afterwards.

“This parameter is not used to set any activity attribute.”

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Subclause 14.1.2.4

Line 2, after “entity.” add “This parameter could form part of the access control mechanism and if it is not supplied, certain accesses could fail.”

Subclause 14.1.2.5

Line 3, after “failure.” add “This parameter is mandatory if the recovery functional unit is available on the association.”

Page 24

Table 11

Change the entries as follows:

Parameter	F-INITIALIZE request	F-INITIALIZE indication	F-INITIALIZE response	F-INITIALIZE confirm
.
.
.
Calling Application Title	Optional	Optional (=)		
Responding Application Title			Conditional	Conditional (=)
Called Presentation Address	Optional	Optional (=)		
Calling Presentation Address	Optional	Optional (=)		
Responding Presentation Address			Optional	Optional (=)
.
.
.
Functional Units	Mandatory	Mandatory	Mandatory	Mandatory (=)
.
.
.

Add the following note:

“NOTE — Based on the availability of a directory service facility within the Application Process on the local system, the three presentation address parameters are optional as they are derived from their corresponding Application Title parameters by the directory function within the Application Process.”

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Table 17

Change parameter “Concurrency Control” as follows:

Parameter	F-CREATE request	F-CREATE indication	F-CREATE response	F-CREATE confirm
.
.
.
Concurrency Control	Optional	Optional (=)		
.
.
.

Subclause 15.3.2.4

Line 12, delete “attributes.” and insert “attributes, and also to any attributes that have their values reduced to “no value available”.”

Add the following note:

“NOTE — When the *override* parameter is used with values *b* (select old file) or *c* (delete old file and create with old attributes) and the named file already exists, the *initial attributes* parameter is ignored as no new attributes are required.”

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Subclause 17.1.2.5

Delete the last paragraph and insert the following:

“If the FADU locking is requested, the *FADU locking* functional unit is negotiated and the *Enable FADU locking* parameter on the F-OPEN request was set on, concurrency controls specified at the time the file is opened are not applied immediately (although any concurrency control requested at file selection remains in force). Instead, the control requested is applied for the duration of each file access requested.”

Subclause 17.1.2.7

Delete the second and third paragraphs and insert the following:

“If FADU locking is available, concurrency controls not available may not fail until the specific action is requested within the OPEN regime. As these locks are not applied until the specific file access action is requested. This parameter is not used to set any activity attribute.”

Subclause 17.1.2.10

Line 5 and b), delete “at start of file” and insert “at start of transfer”

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Clause 18

Delete the third paragraph and insert the following:

“If the threshold number of primitives is not processed before failure effecting regime creation is detected, a negative response is made for the first primitive in the group which has a state result parameter. The state result parameter of this primitive will indicate a failure. The diagnostic on the response of this primitive is set to indicate “transient error” or “permanent error”, as appropriate, with an error identifier of “subsequent error” as the first component of its diagnostic, and subsequent diagnostic components, in the sequence of diagnostics, carrying the actual detailed diagnostic information for the failure.”

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Annex A, table 43

Change the “Identifiers” as follows:

Identifier	Observer	Source
0	1,2,4,5	0-5
2	1,2,4,5	0-5
8	1,2,4,5	0-5
9	1,2,4,5	0-5

Annex A, table 44

Change the “Identifiers” as follows:

Identifier	Observer	Source
1011	2,4	3
1012	2,4	2
1013	1,2,4,5	0-5
1014	1,2,4,5	0-5

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Annex A, table 45

Change the “Identifiers” as follows:

Identifier	Observer	Source
2000	5	1
2014	2,4	2
2019	5	1

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Annex A, table 48

Change the “Identifiers” as follows:

Identifier	Observer	Source
5014	5	1
“	2,4	2,4

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Annex B, table 50

Change the Attribute Name "permitted actions" as follows:

Attribute Name	F-SELECT	F-CREATE
permitted actions	compare	set & return

Change the Attribute Name "identity of creator" as follows:

Attribute Name	F-SELECT	F-CREATE
identity of creator		implicit

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Annex C

Delete annex C and insert the following:

**"Annex C
(informative)**

File transfer with commitment control

NOTE — ISO/IEC 9804 and ISO/IEC 9805 (CCR) have recently been published but do not correspond to the text on which annex C was originally based. A normative revision of this annex is in the course of preparation and will describe the relationship between corresponding CCR and FTAM services based on ISO/IEC 9804 and ISO/IEC 9805."

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Annex E

Fifth paragraph, delete lines 1 and 2 beginning "The valid grouped sequences..." and insert the following:

"The valid grouped sequences for the initiator, the *positive* valid grouped sequences for the responder, and the notation used in figures 14 and 16, are the following:"