



**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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**Descriptors:** data processing, information interchange, network interconnection, open systems interconnection, files, communication procedure, management.

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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.”

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**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 (=)
.	.	.	.	.
.	.	.	.	.
.	.	.	.	.