



INTERNATIONAL STANDARD ISO/IEC 9579-1:1993
TECHNICAL CORRIGENDUM 1

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION
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Information technology — Open Systems Interconnection — Remote Database Access —

Part 1: **Generic Model, Service and Protocol**

TECHNICAL CORRIGENDUM 1

Technologies de l'information — Interconnexion de systèmes ouverts (OSI) — Accès aux bases de données à distance —

Partie 1: Modèle, service et protocole

RECTIFICATIF TECHNIQUE 1

Technical corrigendum 1 to International Standard ISO/IEC 9579-1:1993 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*.

Contents

In the table of contents, replace the entries for 1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10, and 1.3.11 with the following:

- “1.3.1 Basic Reference Model (ISO 7498)
- 1.3.2 Reference Model - Part 3: Naming and Addressing (ISO 7498-3)
- 1.3.3 Service Conventions (ISO TR 8509)
- 1.3.4 Service Definition for the Association Control Service Element (ISO 8649)
- 1.3.5 Connection Oriented Presentation Service Definition (ISO 8822)
- 1.3.6 Specification of Abstract Syntax Notation One (ASN.1) (ISO/IEC 8824)
- 1.3.7 Application Layer Structure (ISO/IEC 9545)
- 1.3.8 Remote Database Access - Part 1: Generic Model, Service, and Protocol (ISO/IEC 9579-1)
- 1.3.9 Commitment, Concurrency, and Recovery (ISO/IEC 9804)
- 1.3.10 Distributed Transaction Processing (ISO/IEC 10026-1)
- 1.3.11 Reference Model of Data Management (ISO/IEC 10032)”

Renumber 1.3.11.1 through 1.3.11.16 as 1.3.8.1 through 1.3.8.16 and position under 1.3.8 in the contents list.

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1.3 Definitions

Reorder the subclauses of 1.3 and modify the titles of these subclauses as follows:

- “1.3.1 Basic Reference Model (ISO 7498)
- 1.3.2 Reference Model - Part 3: Naming and Addressing (ISO 7498-3)
- 1.3.3 Service Conventions (ISO TR 8509)
- 1.3.4 Service Definition for the Association Control Service Element (ISO 8649)
- 1.3.5 Connection Oriented Presentation Service Definition (ISO 8822)
- 1.3.6 Specification of Abstract Syntax Notation One (ASN.1) (ISO/IEC 8824)
- 1.3.7 Application Layer Structure (ISO/IEC 9545)
- 1.3.8 Remote Database Access - Part 1: Generic Model, Service, and Protocol (ISO/IEC 9579-1)
- 1.3.9 Commitment, Concurrency, and Recovery (ISO/IEC 9804)
- 1.3.10 Distributed Transaction Processing (ISO/IEC 10026-1)
- 1.3.11 Reference Model of Data Management (ISO/IEC 10032)”

Renumber 1.3.11.1 through 1.3.11.16 as 1.3.8.1 through 1.3.8.16.

1.3.1 Basic Reference Model

In the first paragraph of 1.3.1 on page 4, delete item f) and reletter the remaining item as necessary.

1.5.2 Service parameter description

In the definition of “S” on page 10, change “two” to “one”

3.1.1.1.1 R-Initialize service

Modify the description of the `dialogueIDSuffix` parameter to read:

“An identifier that is unique within the scope of the application-entity-invocation (identified by the `dialogueIDClientInvocation` parameter) of the RDA client that is requesting initialization of the RDA dialogue.”

On page 21, move note 3 so that it follows the description of the “`controlAuthenticationData`” Result parameter, delete the first sentence of the relocated note, and modify the second sentence to read:

“The mechanism for passing authentication data between RDA clients is beyond the scope of RDA.”

Renumber the notes in 3.1.1.1.1 accordingly.

3.1.5.1.1 R-ExecuteDBL service

In the definition of `dataResourceHandle` on page 42, modify the second sentence to read:

“This parameter identifies a particular data resource among the set of open data resources.”

3.1.5.2.1 R-DefineDBL service

In the definition of `dataResourceHandle` on page 45, modify the second sentence to read:

“This parameter identifies a particular data resource among the set of open data resources.”

3.2.1 RDA client sequencing rules

In the last paragraph on page 52, modify the definition of state CN to read:

“CN - Either an R-ExecuteDBL error confirm or an R-InvokeDBL error confirm primitive reporting a transactionRolledBack error parameter was received.”

In table 15 on page 53:

- 1) add the note reference “1)” to the cells formed by events R-Commit cnf in state CC and R-Rollback cnf in state CR.
- 2) add the note reference “2)” to the cells formed by events R-ExecuteDBL cnf in state CT and R-InvokeDBL cnf in state CT.
- 3) add the following within the scope of table 15:

“NOTES

- 1) The resulting state is CN if an R-ExecuteDBL error confirm or an R-InvokeDBL error confirm reported a transactionRolledBack error parameter in states CT, CC or CR. Otherwise, the resulting state is CT.
- 2) The resulting state is CN if an R-ExecuteDBL error confirm or an R-InvokeDBL error confirm reported a transactionRolledBack error parameter. Otherwise, the resulting state is CT.”

3.2.2 RDA server sequencing rules

On page 54, modify the first paragraph to read:

“The RDA Service is asynchronous; that is, the RDA server may receive other indications before it issues the response to a previous indication.”

In the last paragraph on page 54, modify the definition of state SN to read:

“SN - Either an R-ExecuteDBL error response or an R-InvokeDBL error response primitive reporting a transactionRolledBack error parameter was issued.”

In table 16 on page 55:

- 1) add the note reference “1)” to the cells formed by events R-Commit rsp in state SC and R-Rollback rsp in state SR.
- 2) add the note reference “2)” to the cells formed by events R-ExecuteDBL rsp in state ST and R-InvokeDBL rsp in state ST.
- 3) add the following within the scope of table 16:

“NOTES

- 1) The resulting state is SN if an R-ExecuteDBL error response or an R-InvokeDBL error response reported a transactionRolledBack error parameter in states ST, SC or SR. Otherwise, the resulting state is ST.
- 2) The resulting state is SN if an R-ExecuteDBL error response or an R-InvokeDBL error response reported a transactionRolledBack error parameter. Otherwise, the resulting state is ST.”

4.1.1.2 RDA dialogue entity

In the first paragraph of 4.1.1.2 on page 60, modify the first sentence to read:

“An RDA dialogue entity is created upon issuance of an R-Initialize result response, and exists until the RDA dialogue is terminated.”

4.1.1.3 Opened data resource entity

In the first paragraph of 4.1.1.3 on page 61, modify the first two sentences to read:

“An opened data resource entity is created upon issuance of an R-Open result response. An opened data resource entity is deleted by an R-Close result response.”

4.1.1.4 Defined DBL entity

In the first paragraph of 4.1.1.4 on page 61, modify the first two sentences to read:

“A defined DBL entity is created upon issuance of an R-DefineDBL result response. A defined DBL entity is deleted independently of opened data resource entities upon issuance of an R-DropDBL result response.”

4.1.2.8 Failure of the RDA dialogue

In the first paragraph of 4.1.2.8 on page 65, modify the first bullet to read:

“Recovery actions are performed as appropriate for the application context (see 5.1.2.2, RDA dialogue failure, for the RDA Basic application-context; see 10.5.17, A(-P)-ABORT indication or A-RELEASE (Result = affirmative) response, of ISO/IEC 10026-3 for the RDA TP application-context); and”

4.1.3.1.1 R-Initialize service

Under “Entity manipulation rules”, replace “If an error is not returned” with “If an error response is not returned”.

Under “Result rules”, replace “If a result is returned” with “If a result response is returned”.

Under “Error rules”, replace “An error shall be returned” with “An error response shall be returned”.

4.1.3.2.1 R-Terminate service

Under “Entity manipulation rules”, replace “If an error is not returned” with “If an error response is not returned”.

Under “Error rules” in 4.1.3.2.1, modify the first paragraph to read:

“This part of ISO/IEC 9579 does not specify any error rules for this service.”

4.1.4.1.1 R-BeginTransaction service

Under “Result rules” in 4.1.4.1.1, modify the first paragraph to read:

“This part of ISO/IEC 9579 does not specify any result rules for this service.”

Under “Error rules” in 4.1.4.1.1, modify the first paragraph to read:

“This part of ISO/IEC 9579 does not specify any error rules for this service.”