



Information technology — Text Communication — Message-Oriented Text Interchange Systems (MOTIS) —

Part 4: Message Transfer System: Abstract Service Definition and Procedures

TECHNICAL CORRIGENDUM 4

Technologies de l'information — Communication de texte — Systèmes d'échange de texte en mode message —

Partie 4: Système de transfert de message: Procédures et définition de service abstrait

RECTIFICATIF TECHNIQUE 4

Technical corrigendum 4 to International Standard ISO/IEC 10021-4 : 1990 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*.

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Subclause 8.1.1.1.2

Insert a new paragraph six:

"Symmetric algorithms may be used within the above **asymmetric-token** (see clause 8.5.8)."

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Subclause 8.1.1.2.2

Insert a new last paragraph:

"Symmetric algorithms may be used within the above **asymmetric-token** (see clause 8.5.8)."

UDC 681.3 : 621.39

Ref. No. ISO/IEC 10021-4 : 1990/Cor.4 : 1992 (E)

Descriptors: data processing, information interchange, network interconnection, open systems interconnection, data transmission, text communication, messages, definitions, procedure.

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Subclause 8.2.1.1.1.11

Delete the following values from Explicit-conversion:

"teletex-to-telex, telex-to-ia5-text, telex-to-teletex, telex-to-g4-class-1, telex-to-videotex, ia5-text-to-telex, telex-to-g3-facsimile, videotex-to-telex,"

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Subclause 8.2.1.1.1.14

In the first sentence of the last paragraph replace "mhs-preferred-delivery-method" with "preferredDeliveryMethod".

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Subclause 8.2.1.1.1.17

Replace the second paragraph with the following:

"This argument's value is the combination of two independent components. If present, the first component shall have one of the following values: **ordinary-mail**, **special-delivery**, **express-mail**, **counter-collection**, **counter-collection-with-telephone-advice**, **counter-collection-with-telex-advice**, or **counter-collection-with-teletex-advice**. If present, the second component shall have the value **bureau-fax-delivery**."

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Subclause 8.2.1.1.1.25

Add to the end of the sentence in the third paragraph:

"with an asymmetric algorithm (see clause 8.5.8)."

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Subclause 8.2.1.1.1.26

Insert a new last paragraph:

"Symmetric algorithms may be used within the above **asymmetric-token** (see clause 8.5.8). If symmetric algorithms are used for both the **message-token** and the **content-integrity-check** then the **message-token** can only support Non Repudiation of Origin elements-of-service if the security policy in force provides for the involvement of a third party acting as a notary."

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Subclause 8.2.1.1.1.34

In the bullet identified by "external:" after "1984 systems" insert:

"; it shall only be used with **mts-transfer-protocol-1984**"

After this bullet insert a new note:

"NOTE - The interworking rules ensure that the **external content-type** is never used in conjunction with **mts-transfer** or **mts-transfer-protocol**. Although the **external content-type** is designed to allow interworking between 1988 systems through intermediate 1984 systems, a 1984 system may deliver (or submit) a **content** of the **external content-type** provided that the MTS-user (or the MTA itself) performs the equivalent of the upgrading (or downgrading) rules given in ISO/IEC 10021-6."

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Subclause 8.2.1.1.1.34

In the description of **inner-envelope**, replace:

", for forwarding by the recipient named on the outer-envelope to those named on the inner-envelope."

with:

". When delivered to the recipient named on the outer-envelope, the outer-envelope is removed and the content is deciphered, if needed, resulting in an inner-envelope and its content. The information contained in the inner-envelope is used to transfer the content of the inner-envelope to the recipients named on the inner-envelope."

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Subclause 8.2.1.1.1.37

The word content in the second paragraph should be in bold face.

Add at the end of the subclause:

"NOTE - The value of the octet string containing the encoded **content** does not change as the message crosses the MTS."

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Subclause 8.2.1.1.2.4

In the third paragraph replace "the arguments of the submitted message (see clause 8.2.1.1.1)" with "the Message-submission arguments (see clause 8.2.1.1.1) of the subject message".

Delete the last sentence of the third paragraph.

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Subclause 8.3.1.1.1.4

In the first paragraph, replace the last sentence with "An additional value of this argument shall be present for each occasion the message was redirected."

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Subclause 8.3.1.1.1.5

In the first paragraph, replace the last sentence with "An additional value of this argument shall be present for each occasion the message was redirected."

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Subclause 8.3.1.1.1.6

Replace the first paragraph with the following:

"If the originator of the message requested disclosure of other recipients, this argument contains the **OR-names** of the originally-specified recipients other than the one (if any) identified by either the **originally-intended-recipient-name** argument, if present, or else by the **this-recipient-name** argument. This argument shall be generated by the MTS if, and only if, the message-submission abstract-operation had the **disclosure-of-other-recipients** argument set to **disclosure-of-other-recipients-requested** and there is at least one such other recipient."

Add at the end of the subclause:

"NOTE - If DL expansion has been performed, the **OR-names** of the DL's members are not disclosed. The **OR-name** of the DL is disclosed if, and only if, it is that of an originally-specified recipient."

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Subclause 8.3.1.2.1.11

Add new **non-delivery-diagnostic-codes** to the end of the list, replacing the full stop at the end of "**unable-to-downgrade**" by a semi-colon:

"unable-to-complete-transfer: receiving system has indicated that it is permanently unable to complete transfer of the subject; for example, when the transfer is of such a size that it could never be accepted;

transfer-attempts-limit-reached: the maximum number or time duration of repeat attempts to transfer the subject was reached."

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Subclause 8.3.1.2.1.13

To improve its clarity, replace the fourth paragraph by:

"The **report-origin-authentication-check** contains the **report-origin-authentication-algorithm-identifier** and an asymmetrically-encrypted hashed version of:

the **report-origin-authentication-algorithm-identifier**;

the **content-identifier** of the subject;

the **message-security-label** of the subject;

and all values of the following (per-recipient) arguments:

the **actual-recipient-name**,

the **originally-intended-recipient-name**, and:

for a delivery-report:

the **message-delivery-time**,

the **type-of-MTS-user**,

the **recipient-certificate** if requested by the originator of the message for recipients to which the report relates,

the **proof-of-delivery** if requested by the originator of the message for recipients to which the report relates and if the report is on a message; or

for a non-delivery-report:

the **non-delivery-reason-code**, and

the **non-delivery-diagnostic-code**."

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Subclause 8.5.2

Add a new sentence at the end of the third paragraph "If the identification is relative to the associated ADMD then that **administration-domain-name** shall be present." and delete Note 2.

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Subclause 8.5.5

In the fourth paragraph replace ", optionally a number of **extension-attributes**" with " selected from those defined in ISO/IEC 10021-2"