



INTERNATIONAL STANDARD ISO/IEC 10021-7:1997

TECHNICAL CORRIGENDUM 2

TECHNICAL CORRIGENDUM 3

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Information technology — Message Handling Systems (MHS): Interpersonal messaging system

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Technologies de l'information — Systèmes de messagerie (MHS): Système de messagerie entre personnes

RECTIFICATIF TECHNIQUE 2

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ITU-T RECOMMENDATION

INFORMATION TECHNOLOGY – MESSAGE HANDLING SYSTEMS (MHS):
INTERPERSONAL MESSAGING SYSTEM

TECHNICAL CORRIGENDUM 2 AND CORRIGENDUM 3

1 Subclause 7.2.6

In 7.2.6 delete "heading" in the first sentence, and append to the first paragraph: "It may be present as a Heading field, or alternatively as an equivalent MTS extension that may be present in the per-recipient-message-submission-extensions field of a message-submission envelope and in the message-delivery-extensions field of a message-delivery envelope.". Insert after the existing ASN.1 productions:

```
blind-copy-recipients EXTENSION ::= {
    BlindCopyRecipientsField,
    IDENTIFIED BY standard-extension:41 }
```

Insert at the end of 7.2.6:

NOTE – When submitting through an MS which provides Storage on Submission, the use of the alternative envelope encoding will result in a single submitted-message entry instead of an additional submitted-message entry for each blind copy recipient, which gives greater efficiency of submission, better correspondence between the user's perception of submitting one IPM and the resultant stored entry, and improved correlation of reports and notifications for blind copy recipients with the submitted-message entry. However, if the blind copy recipient's MS or UA conforms to an earlier version of this specification, then use of the alternative envelope encoding will result in the absence of requested notifications and the recipient being aware only implicitly rather than explicitly that he was a blind copy recipient.

2 Subclause 7.2.13

Replace the ASN.1 production for ReplyRecipientsSubfield in 7.2.13 by:

```
ReplyRecipientsSubfield ::= ORDescriptor (WITH COMPONENTS{...,
formal-name PRESENT})
```

3 Subclause 7.4.7

In 7.4.7 bullet b) second sentence "The presence ... is discouraged", replace "The presence" by "For a delivered message, the presence".

Add a new final paragraph to 7.4.7 (before the Notes):

If the forwarded IPM represents a previously submitted IPM (rather than a delivered IPM) then a simulated delivery-envelope may be constructed to contain message-submission-time; the originator-name and this-recipient-name components of this envelope each contain the OR-address of the IPM's originator.

4 Subclause 7.4.11

In 7.4.11 number the existing Example as Example 1 and insert after it:

EXAMPLE 2 – The extended EITs for the Basic Multilingual Plane of ISO/IEC 10646-1 (16-bit encoding without restrictions on combining characters) are {id-cs-eit-authority 176} for the G0 set, {id-cs-eit-authority 1} for the basic C0 set, and (if required) {id-cs-eit-authority 77} for the C1 set of ISO 6429.

5 Subclause 7.4.12

Delete the last 4 lines of the ASN.1 comment against FileTransferData in 7.4.12.

6 Subclause 7.4.12.7

In 7.4.12.7 second paragraph, second sentence: delete the words "a sequence of Externals to convey".

Delete the 3rd sentence of the 2nd paragraph of clause 7.4.12.7 ("The encoding of each data value in the external is described in 7.4.12"), and replace by: "Where the file content comprises more than one data value, each value is placed in a separate External in the FileTransferData".

Delete the last paragraph of clause 7.4.12.7 ("The encoding shall be based...") and replace by:

For the purposes of FileTransferData, this Specification places additional restrictions on the encoding of the External ASN.1 type, excluding some of the implementation options permitted by the ASN.1 Basic Encoding Rules in 8.18 of ITU-T Rec. X.690 | ISO/IEC 8825-1:

- a) If the data value is a single ASN.1 type, the single-ASN1-type choice shall be used; the options to place a BER-encoding of the data value in the octet-aligned or arbitrary choices are excluded.
- b) If the data value comprises an integral number of octets, but is not a single ASN.1 type, the octet-aligned choice shall be used; the option to place octet-aligned data in the arbitrary choice is excluded.

A data value comprising a single ASN.1 Octet String and a data value comprising octets which are not specified as any ASN.1 type are considered equivalent, and either of the applicable encodings may be used (i.e. the single-ASN1-type choice containing an explicitly tagged Octet String, or the octet-aligned choice containing just the data octets without additional Octet String encoding).

7 Subclause 7.4.16

*In 7.4.16 replace the last line of the ASN.1 production for **ForwardedContentParameters** by:*

```
mts-identifier    [2] MessageDeliveryIdentifier OPTIONAL,
submission-proof  [3] SubmissionProof OPTIONAL}
```

In 7.4.16 insert new bullet d):

- d) **Submission-proof (C):** The proof-of-submission of the original message together with the associated certificate of the public key of the MTA which generated that proof and the message-submission-envelope, if the content represents a message previously submitted to the MTS.

```
SubmissionProof ::= SET {
    proof-of-submission           [0] ProofOfSubmission,
    originating-MTA-certificate  [1] OriginatingMTACertificate,
    message-submission-envelope  MessageSubmissionEnvelope}
```

In 7.4.16, insert a new penultimate paragraph (after the Notes):

If the original message's delivery envelope contains a message-token which contains encrypted-data then it may be necessary to create a *Forwarded Content Token* (see B.6.2) for each recipient of the forwarding IPM. This is required, for example, when an asymmetric algorithm is used for encrypted-data that contains a content-confidentiality-key.

8 Clause 8

In clause 8, fifth paragraph (starting "The subject recipient specifier"), append to the first sentence ", and Blind Copy Recipients envelope field".

9 Subclause 18.2.2

In 18.2.2 first bullet a) insert new bullet iv):

- iv) *Blind-copy-recipients* and *Disclosure-of-other-recipients*: If blind copy recipients are specified in the envelope then *Disclosure-of-other-recipients* shall have the value *disclosure-of-other-recipients-prohibited* (either explicitly or by default), and the Blind Copy Recipients heading field shall be absent within the Content.

In 18.2.2, add a new sentence to the end of the second paragraph of first bullet b):

The This IPM heading field of the IPM shall contain the same value for each instance of such a multiple submission.

In 18.2.2 first bullet b) insert a Note after the second paragraph):

NOTE – An alternative to the multiple submissions required by the Blind Copy Recipients heading field is a single submission with the blind copy recipients encoded in the Blind-copy-recipients per-recipient field in the envelope.

10 Subclause 19.2.1

In 19.2.1, insert the following paragraph before the last paragraph ("Figure 5 illustrates..."):

If the Message-log entry-class is supported, a Message-log entry is created for each Stored-message main-entry. Message-log child-entries are not created.

11 Subclause 19.2.3

In 19.2.3 third set of bullets insert new bullet e):

- e) if Submission-proof is present in Parameters then the proof-of-submission, originating-MTA-certificate, and message-submission-envelope general-attribute-types shall be present.

12 Subclause 19.5.2.2

In 19.5.2.2 replace the last paragraph (before Notes) by:

In a Message body part constructed from a stored IPM that represents a delivered-message entry, the Parameters component shall contain delivery-time and delivery-envelope.