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

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

AMENDMENT 1: Minor enhancements: Notification-type and directory substitution

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

AMENDEMENT 1: Améliorations mineures: Substitution de type de notification et de répertoire

Foreword

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In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Amendment 1 to International Standard ISO/IEC 10021-4:1990 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee 18, *Document processing and related communication.*

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Part 4:

Message Transfer System: Abstract Service Definition and Procedures

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Table 3 (Part 2 of 2)

Append to Content Arguments:

Notification-type	O	8.2.1.1.1.38
Service-message	O	8.2.1.1.1.39

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Add new subclauses 8.2.1.1.1.38 and 8.2.1.1.1.39:

8.2.1.1.1.38 Notification-type

This argument indicates that the **content** is a notification, and indicates that it is one of three types of notification (type-1, type-2 or type-3); *the use of these values is defined in the relevant* **content** *specification.* It may be generated by the originator of the message, but shall be generated only if the **content** is a notification as defined in the relevant **content** specification.

The **notification-type** indication is not delivered to the recipient(s) of the message and is not returned to the originator with any report(s). Depending upon policy, this argument may be verified by the MTS.

8.2.1.1.1.39 Service-message

This argument indicates that the message is for service purposes. It may be generated by the originator of the message, but shall be used only by bilateral agreement.

The **service-message** indication is not delivered to the recipient(s) of the message and is not returned to the originator with any report(s). Depending upon policy, this argument may be verified by the MTS.

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Table 7 (Part 2 of 2)

Append to Content Arguments:

Notification-type	O	8.2.1.1.1.38
Service-message	O	8.2.1.1.1.39

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Subclause 8.3.1.1.1.5

Append an additional value for **redirection-reason***:*

> **directory-substitution:** the **OR-address** of the intended-recipient did not identify a recipient MTS-user; the **OR-name** of that intended-recipient also contained a **directory-name** which was used to obtain from the Directory a different **OR-address** for that intended-recipient; the MTS redirected the message to the replacement **OR-address** for that intended-recipient.

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Subclause 8.3.1.2.1.11

Append an additional value for **non-delivery-diagnostic-code***:*

> **incorrect-notification-type:** the subject-message contained a **notification-type** argument which did not correspond to its **content**.

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Figure 2 (Part 10 of 26)

Replace the production for PerMessageIndicators by:

```
PerMessageIndicators ::= [APPLICATION 8] BIT STRING {
        disclosure-of-other-recipients (0),    -- disclosure-of-other-recipients-allowed 'one',
                                               -- disclosure-of-recipient-prohibited 'zero';
                                               -- ignored for Probe-submission
        implicit-conversion-prohibited (1),    -- implicit-conversion-prohibited 'one',
                                               -- implicit-conversion-allowed 'zero'
        alternate-recipient-allowed (2),       -- alternate-recipient-allowed 'one',
                                               -- alternate-recipient-prohibited 'zero'
        content-return-request (3),            -- content-return-requested 'one',
                                               -- content-return-not-requested 'zero';
                                               -- ignored for Probe-submission
        reserved (4),                          -- bit reserved by MOTIS 1986
        bit-5 (5),
        bit-6 (6),                             -- notification type-1 : bit 5 'zero' and bit 6 'one'
                                               -- notification type-2 : bit 5 'one' and bit 6 'zero'
                                               -- notification type-3 : bit 5 'one' and bit 6 'one'
                                               -- the mapping between notification type 1, 2, 3
                                               -- and the content specific notification types is defined
                                               -- in relevant content specifications
        service-message (7)                    -- the message content is for service purposes;
                                               -- it may be a notification related to a service-message;
                                               -- used only by bilateral agreement  -- }
        (SIZE (0..ub-bit-options))
```

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Figure 2 (Part 12 of 26) (as modified by Technical Corrigendum 4)

In the production for NonDeliveryDiagnosticCode, replace:

```
transfer-attempts-limit-reached (49) } (0..ub-diagnostic-codes)
```

by:

```
transfer-attempts-limit-reached (49),
incorrect-notification-type (50) } (0..ub-diagnostic-codes)
```

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Table 29 (Part 3 of 3)

Append to Content Arguments:

Notification-type	C	8.2.1.1.1.38
Service-message	C	8.2.1.1.1.39

3

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Table 30 (Part 2 of 2)

Append to Content Arguments:

Notification-type		C	8.2.1.1.1.38
Service-message		C	8.2.1.1.1.39

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Subclause 14.3.2.4

Insert after bullet 5) :

6)   Depending upon its policy, the MTA may verify that the value of **notification-type** corresponds to the **content**. If the MTA does not verify **notification-type**, or if it corresponds to the **content**, then the procedure terminates successfully. If the MTA verifies **notification-type** and it does not correspond to the **content** then one of the following is performed depending upon policy:

a)   the non-correspondence is ignored and the procedure terminates successfully;

b)   if the **notification-type** is not set to one of the values type-1, type-2, or type-3, **notification-type** is set to the correct value and the procedure terminates;

c)   if the **notification-type** is set incorrectly to one of the values type-1, type-2, or type-3, the procedure returns a report generation instruction with a **non-delivery-reason-code** of **unable-to-transfer** and a **non-delivery-diagnostic-code** of **incorrect-notification-type**. The procedure then terminates.

The MTA may verify **service-message** with similar procedures.

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Subclause 14.3.6.4

Replace bullet 1) and the NOTE *by:*

1)   The arguments are checked for the inclusion of a **directory-name**. If one is present, the procedure performs a Directory look-up to determine a new **OR-address**. The **requested-delivery-method** argument is used to select appropriate information from that provided by the Directory to construct an **OR-address**. If this is different from the original **OR-address**, it is combined with the **directory-name** to form the **OR-name** of an alternate recipient. The Redirection procedure is then called to redirect the message to this alternate recipient, with redirection-reason **directory-substitution**.

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