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

Part 5:
Message Store: Abstract Service Definition

TECHNICAL CORRIGENDUM 4

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

Partie 5: Dépôt de message: Définition de service abstrait

RECTIFICATIF TECHNIQUE 4

Technical corrigendum 4 to International Standard ISO/IEC 10021-5 : 1990 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*.

Page 6

Subclause 3.2.33

Remove the comma from "3.,2.33" and replace the last sentence with: "Each such assertion is either true, false or undefined".

Page 9

Clause 4

Insert after "**P:** present" the following line "**ROS:** Remote Operations".

Page 18

Subclause 6.3.3.4

In bullet e) iii), replace "less than equal to, or greater than a target value" with "less than or equal to, or greater than or equal to a target value".

Page 19

Subclause 6.4

In the first sentence after the Note, change "stored-messages" to "stored-messages information-base".

Add the following paragraph to the end of the subclause:

"The **entry-status** of a child-entry is maintained according to the same rules as apply to a main-entry. A change in the **entry-status** of an entry may result from operations performed on the entry's parent or child-entry. If a child-entry is logically present in an attribute of its parent-entry, the retrieval of the attribute is regarded as equivalent to retrieval of all attributes of the child-entry. If an attribute of an entry is logically present in one or more child-entries, then retrieval of all those child-entries is equivalent to retrieval of the attribute.".

Page 19

Subclause 6.5.1

In the first paragraph, extend the end of the sentence as follows:

" or controlled by subscription.".

In the second paragraph replace the first sentence with:

"An **auto-action** is an action that will occur automatically whenever the associated criteria have been satisfied. The criteria may be conveyed to the MS by means of registration or subscription.".

Insert new paragraph at end of subclause:

"Even if an auto-action has a defined **auto-action-registration-parameter**, any criteria and other parameters needed for its performance may be conveyed to the MS by means of subscription. However, some **auto-actions** may require that the MS supports registration of its **registration-parameter** by means of the Register-MS abstract-operation (see 8.6).".

Page 22

Subclause 7.1

Add the following after the second sentence of the first paragraph:

"Information exchanged in the argument and result of MS-Bind shall apply for the duration of the abstract-association.".

Page 22

Subclause 7.1.1

At the end of the second sentence replace "supported by the MS" with "to which the MS-user has subscribed"

Replace the first paragraph of bullet (5) with the following:

"5)   **MS-configuration-request** (C): This parameter specifies whether the MS is requested to return information which identifies the auto-action-types, attribute-types, and content-types to which the MS-user has subscribed, and which consequently are available in the course of the abstract-association."

Page 24

Subclause 7.1.2

Replace bullets 2, 3 and 5 with the following:

"2)   **Available-auto-actions** (C): This identifies the set of auto-action-types to which the MS-user has subscribed. It is present if requested in the abstract-bind-argument and at least one auto-action-type is available; it is absent otherwise."

"3)   **Available-attribute-types** (C): This identifies the set of attribute-types to which the MS-user has subscribed. It is present if requested in the abstract-bind-argument and at least one attribute-type is available; it is absent otherwise."

"5)   **Content-types-supported** (C): This identifies the set of content-types to which the MS-user has subscribed and for which the MS offers specific support, as defined in the relevant content-specific International Standard. A message whose content-type is absent from this set may still be submitted, or may be delivered and subsequently retrieved. In the latter case, none of the content-specific attribute-types or auto-action-types defined for that content-type will be available to the MS-user.

This parameter is present if requested in the abstract-bind-argument and at least one content-type is supported; it is absent otherwise."

Page 24

Subclause 7.1.3

Replace the first sentence with "An **MS-Bind-error** reports a problem in attempting to establish an abstract-association.".

Page 30

Subclause 8.1.3

In bullet 5) a), replace both occurrences of "**content-types-restriction**" with "**fetch-restrictions** on content-types".

In bullet 5) b), replace both occurrences of "**EITs-restriction**" with "**fetch-restrictions** on encoded-information-types".

In bullet 5) c), replace both occurrences of "**content-length-restriction**" with "**fetch-restrictions** on content-length".

3

Page 36

Subclause 8.5

Add the following to the end of the second paragraph:

"The entry-status of any child-entry associated with a main-entry shall not be considered when performing the **Delete abstract-operation.**"

Page 40

Subclause 8.7.1

In bullet 1), change "6.4" to "6.5".

Replace the last sentence in bullet 2 with "It is absent when the MS abstract-service-user did not specify **requested-attributes** in the **auto-alert-registration-parameter**".

Page 43

Subclause 9.5

In bullet b), change "**Eit-problem**" to "**EIT-problem**".

Page 44

Subclause 9.7

In the first sentence, replace "limit" with "**range**".

Page 47

Table 1 (Part 1 of 3)

In Table 1 (Part 1 of 3), for the Attribute-type "Converted-EITs", in the column headed "Presence in delivered-report entry" change "C" (introduced in Technical Corrigendum 2) back to "-".

Page 49

Subclause 11.2.2

After the first sentence, insert a new sentence: "In the latter case, the content general-attribute is created in the returned-content child-entry and not in the delivered-report entry itself.".

Page 51

Subclause 11.2.11

In the first sentence replace "by Message Delivery or ReportDelivery" with "by Message Delivery"

Page 54

Subclause 11.2.21

In the last sentence of the note, replace "report-information" with "per-recipient-report-delivery-fields".

Page 56

Subclause 11.2.34

In the first sentence, delete "or Report Delivery".

Replace "WITH ATTRIBUTE-SYNTAX RedirectionHistory" by "WITH ATTRIBUTE-SYNTAX Redirection".

Page 59

Table 2 (Part 1 of 4)

Replace the entry for "**Content**" with:

| "Content | S | content | MD | The attribute-value in the delivered message entry is the value of the source parameter |
| | | returned-content | RD | The attribute-value in the returned-content child-entry of the delivered report entry is the value of the source parameter" |

Page 63

Clause 12

Append to second paragraph:

"Alternatively, registration information may be conveyed to the MS by means of subscription.".

Page 64

Subclause 12.1

In the ASN.1 definition of **PerMessageAutoForwardFields** replace:

```
"priority        Priority DEFAULT normal,"
```

with:

```
"priority        Priority OPTIONAL,"
```

and replace:

```
"per-message-indicators  PerMessageIndicators DEFAULT { },"
```

with:

```
"per-message-indicators  PerMessageIndicators OPTIONAL,"
```

In bullet 2), replace the second paragraph with the following two paragraphs:

"If **conversion-with-loss-prohibited** is registered with the value **conversion-with-loss-allowed**, either by explicit registration of the value, or if it is not registered and thus assumes this value by default, the value used for each Message-submission abstract-operation shall be the value of the corresponding Message-delivery argument. If it is registered with the value **conversion-with-loss-prohibited**, this value shall be used for each Message-submission abstract-operation.

If **implicit-conversion-prohibited** is registered with the value 'zero', indicating that implicit-conversion is allowed, or if no value is registered, the value used for each Message-submission abstract-operation shall be the value of the corresponding Message-delivery argument. If it is registered with the value 'one', indicating that implicit-conversion is prohibited, this value shall be used for each Message-submission abstract-operation."

In the third paragraph of bullet 2), replace "are either not registered, or are registered with their default values," with "are not registered".

At the end of the third paragraph of bullet 2), replace "and **message-security-label**" with "**message-security-label**, and **priority**".

In the last paragraph of bullet 2), replace "may not" with "shall not".

Add a new paragraph to the end of the subclause (after the NOTE):

"Support of the **auto-forward auto-action** by an MS, or UA accessing an MS, requires that it supports registration of the **auto-forward-registration-parameter** via the Register-MS abstract-operation."

Page 65

Subclause 12.2

Change "delivered message" to "delivered-message or delivered-report" in the second paragraph and change "delivered-message" to "delivered-message or delivered-report" in each paragraph in bullet 1).

Page 68

Subclause 14.1.1

In step 4) (as renumbered by Technical Corrigendum 2), replace "step 2)" with "step 1)" and delete the last sentence.

Page 68

Subclause 14.1.1.1

Delete subclause 14.1.1.1.

Page 68

Subclause 14.1.2

In step 3) (as renumbered by Technical Corrigendum 2), replace "content-specific and" with "either general or content-specific, the latter being".

Page 69

Subclause 14.1.2.1

Delete subclause 14.1.2.1.

Page 69

Subclause 14.1.3

After this subclause insert a new subclause as follows:

"14.1.4   Generation rules for general-attributes

Attributes shall be generated when a message or report is delivered, and may be generated when an auto-action is performed.

All mandatory attributes are generated, see Table 1. Optional attributes are generated only if implemented by the MS and subscribed to by the user. The generated attributes form a new entry, or in some cases a parent-entry and one or more child-entries, see 6.3.4. The following kinds of general-attributes may be generated:

a)   general-attributes generated by the MS itself (e.g. sequence number);

b)   general-attributes generated from components of the message-delivery-envelope and report-delivery-envelope. For components which are not present, but for which default values are defined, a general-attribute containing the default value is generated.

See Table 2 and 11.3 for the rules on how the general-attributes are generated. The generation rules for content-specific attributes are described in the respective content-specific Specifications, e.g. the IPMS-specific attributes are described in Annex C of ISO/IEC 10021-7."

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Subclause 14.2.3

Delete the last sentence in the third bullet.

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