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AMENDMENT 1
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Information technology — Message Handling Systems (MHS): Interpersonal messaging system

**AMENDMENT 1: Security error diagnostic
codes**

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

AMENDEMENT 1: Codes de diagnostic d'erreur de sécurité

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Foreword

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INTERNATIONAL STANDARD

ITU-T RECOMMENDATION

INFORMATION TECHNOLOGY – MESSAGE HANDLING SYSTEMS (MHS):
INTERPERSONAL MESSAGING SYSTEMAMENDMENT 1
Security error diagnostic codes

1) Annex B

In B.3, modify the **SecurityDiagnosticCode ASN.1** definition as follows:

```
SecurityDiagnosticCode::= INTEGER {
  integrity-failure-on-subject-message (0),
  integrity-failure-on-forwarded-message (1),
  moac-failure-on-subject-message (2),
  unsupported-security-policy (3),
  unsupported-algorithm-identifier (4),
  decryption-failed (5),
  token-error (6),
  unable-to-sign-notification (7),
  unable-to-sign-message-receipt (8),
  authentication-failure-on-subject-message (9),
  security-context-failure-message (10),
  message-sequence-failure (11),
  message-security-labelling-failure (12),
  repudiation-failure-of-message (13),
  failure-of-proof-of-message (14),
  signature-key-unobtainable (15),
  decryption-key-unobtainable (16),
  key-failure (17),
  unsupported-request-for-security-service (18),
  inconsistent-request-for-security-service (19),
  ipm-non-repudiation-instead-of-content-proof (20),
  token-decryption-failed (21),
  double-enveloping-message-restoring-failure (22),
  unauthorised-dl-member (23),
  reception-security-failure (24),
  unsuitable-alternate-recipient (25),
  security-services-refusal (26),
  unauthorised-recipient (27),
  unknown-certification-authority-name (28),
  unknown-dl-name (29),
  unknown-originator-name (30),
  unknown-recipient-name (31),
  security-policy-violation (32) }
```

In B.3, modify the item f) as follows:

f) *decryption-failed*: The recipient could not decrypt the message content.

In B.3, add the following text at the end:

- 1) *token-decryption-failed*: The recipient could not decrypt the message token.
- 2) *double-enveloping-message-restoring-failure*: The message contained an inner envelope, but failure of security services on the outer envelope prevented the UA from extracting the inner message for subsequent processing.
- 3) *unauthorised-dl-member*: The UA has detected that the message has been received via a DL, yet this recipient was prohibited by the security policy from being a member of that DL.

- 4) *recipient-security-failure*: The message could not be received due to the failure of one of the message security services.
- 5) *unsuitable-alternate-recipient*: The message was not able to be processed as it has been delivered to an alternate recipient and this recipient is unable to process the security functions.
- 6) *security-services-refusal*: The security services cannot be supported.
- 7) *unauthorised-recipient*: The recipient is not allowed to get the required decryption keys for content confidentiality. The recipient is not authorised to read the message content.
- 8) *unknown-certification-authority-name*: The message cannot be processed because the certification authority named in a certificate contained within one of the security arguments is not known to the UA, or is not trusted by the UA.
- 9) *unknown-dl-name*: The security policy requires the UA to perform checks on messages that have been received via DLs, and in this case one of the DLs named in the DL-expansion-history was unknown to the UA.
- 10) *unknown-originator-name*: The originator MTS-user **O/R name** identifies a user who is not known to the receiving UA, hence the security arguments cannot be validated.
- 11) *unknown-recipient-name*: The recipient MTS-user **O/R name** identifies a user who is not known to the receiving UA, hence the security arguments cannot be validated.
- 12) *security-policy-violation*: The security policy is violated.

2) Annex K

Same modification as for 1) (Annex B).