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AMENDMENT 1
1995-12-15

Information technology — Text and office systems — Document Filing and Retrieval (DFR) —

Part 1:
Abstract service definition and procedures

AMENDMENT 1: Minor enhancements

Technologies de l'information — Bureautique — Classement et récupération de documents —

Partie 1: Procédures et définition de service abstrait

AMENDEMENT 1: Améliorations mineures

Reference number
ISO/IEC 10166-1:1991/Amd.1:1995(E)

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Foreword

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Amendment 1 to International Standard ISO/IEC 10166-1:1991 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee 18, *Document processing and related communication*.

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Part 1:
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AMENDMENT 1: Minor enhancements

Page 3
Clause 2

Add the following text to the end of clause 2:

ITU-T T.435(1994), *Document Transfer and Manipulation (DTAM) - Services and Protocols - Abstract Service Definitions and Procedures for Document Manipulation.*

Page 25
Subclause 7.1.1

Change the ASN.1 definition of "**DfrBindArgument**" *as follows*:

```
DfrBindArgument ::= SEQUENCE {
        initiator-name              [0]   DistinguishedName,
        credentials                 [1]   Credentials,
        retrieve-restrictions       [2]   Restrictions OPTIONAL,
                                              -- default is none --
        dfr-configuration-request   [3]   BOOLEAN DEFAULT FALSE,
        bind-security               [4]   BindSecurity OPTIONAL,
        priority                    [5]   Priority DEFAULT medium,
        dor-for-produce-operations  [6]   BOOLEAN DEFAULT TRUE,
        dor-for-consume-operations  [7]   BOOLEAN DEFAULT TRUE,
        protocol-version            [8]   INTEGER {
                version-1       (1),
                version-2       (2) } DEFAULT {1},
        bilateralInformation        [9]   SEQUENCE OF
                                          BilateralInformationEntry OPTIONAL }
```

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*Add the following new paragraph after paragraph **h)***:

i) **protocol-version (O):** This parameter indicates the DFR protocol version which the DFR-User requests. If the DFR-Server can honor this request, DFR Abstract-Bind continues normally. Otherwise, the DFR-Server will issue error.

1) **version-1** is defined by ISO/IEC 10166-1:1991.

2) **version-2** is defined by ISO/IEC 10166-1:1991 together with ISO/IEC 10166-1:1991/Amd 1:1995.

Note - Since a server that knows only the DFR protocol version 1 will not understand a version request, such a request will lead to an (implementation dependent) error. A server that knows the DFR protocol version 2 may accept the bind from a version 1 client, or may return an appropriate error which DFR protocol version 1 client understands. One example of such error code is the **unclassified-server-error**.

Add the following new paragraph and ASN.1 definition of "**BilateralInformationEntry**" *and* "**ServerName**" *after the (new) paragraph **i)***:

j) **bilateralInformation (O):** This parameter includes bilateral information between the DFR-Server and the DFR-User. Format of this bilateral information is as follows.

```
BilateralInformationEntry ::= SEQUENCE {
        serverName   [0]     ServerName,
        information  [1]     EXTERNAL }

ServerName ::= DistinguishedName
```

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Subclause 7.1.2

Change the ASN.1 definition of "**DfrBindResult**" *as follows*:

```
DfrBindResult ::= SET {
        authentication-attributes     [0]   SET OF AuthenticationAttribute,
        constraints-supported         [1]   SET OF ConstraintsType
                                                    OPTIONAL,
        dfr-document-types-supported  [2]   SET OF TypeAndAttribute
                                                    OPTIONAL,
        function-set-supported        [3]   FunctionSetType OPTIONAL,
        maximum-length-supported      [4]   INTEGER OPTIONAL,
        dor-for-produce-operations    [5]   BOOLEAN DEFAULT TRUE,
        dor-for-consume-operations    [6]   BOOLEAN DEFAULT TRUE,
        rOA-protocols-accessee        [7]   ROAProtocols OPTIONAL,
```


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```
        rOA-protocols-accessor          [8]     ROAProtocols OPTIONAL,
        bilateralInformation            [9]     SEQUENCE OF
                                                BilateralInformationEntry OPTIONAL,
        server-selected-protocol-version        [10]    INTEGER {
                        version-1       (1),
                        version-2       (2) } OPTIONAL }
```

Change the ASN.1 definition of "**ConstraintsType**" *in paragraph b) as follows*:

```
ConstraintsType ::= SEQUENCE {
        name-constraint         [0]     NameConstraint,
        version-constraint      [1]     VersionConstraint,
        profile-supported       [2]     SEQUENCE OF OBJECT IDENTIFIER
                                                OPTIONAL }
```

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Change the ASN.1 definition of "**VersionConstraint**" *as follows*:

```
VersionConstraint ::= ENUMERATED {
        no-version-constraint           (0),
        version-unambiguity             (1),
        version-not-supported           (2) }
```

Add the following paragraph at the end of the description of 2) Version-constraint in paragraph b):

iii) Version not supported (conceptual document is not supported).

Add the following paragraph to the bottom of paragraph b):

3) **profile-supported** specifies the function subsets (for example, function profiles) which are supported by the DFR-Server.

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*Add the following two paragraphs after paragraph **i)***:

j) **bilateralInformation (O):** This parameter includes bilateral information between the DFR-Server and the DFR-User.

k) **server-selected-protocol-version (O):** This parameter indicates the DFR protocol version which the DFR-Server selected. This parameter is only present if **protocol-version** is specified in the bind argument. If the DFR-Server supports the DFR protocol version specified by the DFR-User, the DFR-Server includes the value corresponding to the specified DFR protocol version in this parameter. If the DFR-Server does not support

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the DFR protocol version specified by the DFR-User, the DFR-Server includes the value corresponding to one of the DFR protocol versions supported by the DFR-Server.

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Subclause 8.1.3.2

Change the ASN.1 definition of "**Reservation**" *as follows*:

```
Reservation ::= SEQUENCE {
        reservation-duration [0]    GeneralizedTime OPTIONAL,
        reservation-level    [1]    ReservationLevel,
        reservation-status   [2]    ReservationStatus DEFAULT uncommitted,
        reservation-referent [3]    BOOLEAN DEFAULT FALSE }
```

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Subclause 8.1.5.6

Change the ASN.1 definition of "**EntryInformationSelection**" *as follows*:

```
EntryInformationSelection ::= SEQUENCE {
        read-selector           [0]     ENUMERATED {
                attributes-only                         (0),
                attributes-and-content                  (1),
                content-only                            (2),
                dor-to-attr-only                        (3),
                attr-and-dor-to-content                 (4),
                dor-to-content-only                     (5),
                dor-to-entire-object                    (6),
                attr-and-dor-to-entire-object           (7),
                attributes-and-part-of-content          (8),
                part-of-content-only                    (9) }
                                        DEFAULT     attributes-only,
        attribute-selection     [1]     AttributeSelection    OPTIONAL,
        content-selection       [2]     SEQUENCE {
                content-server-id               DistinguishedName,
                content-selection-parameter     EXTERNAL } OPTIONAL }
```

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Subclause 8.1.5.6

Change the ASN.1 definition of "**EntryInformation**" *as follows*:

```
EntryInformation ::= CHOICE {
        attributes-only                 [0]     DfrEntryAttributes,
        attributes-and-content          [1]     DfrObject,
```


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