INTERNATIONAL STANDARD ISO/IEC 9541-2:1991
TECHNICAL CORRIGENDUM 2

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INTERNATIONAL ELECTROTECHNICAL COMMISSION • МЕЖДУНАРОДНАЯ ЭЛЕКТРОТЕХНИЧЕСКАЯ КОМИССИЯ • COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

Information technology — Font information interchange —

Part 2:
Interchange format

TECHNICAL CORRIGENDUM 2

Technologies de l'information — Échange d'informations sur les fontes —

Partie 2: Format d'échange

RECTIFICATIF TECHNIQUE 2

Technical corrigendum 2 to International Standard ISO/IEC 9541-2:1991 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 18, *Document processing and related communication.*

1 Introduction

This technical corrigendum corrects technical errors and provides editorial clarification to the interchange formats of ISO/IEC 9541-2. The following defect reports are resolved by this technical corrigendum:

- 9541/007 : Discrepancies found in ISO/IEC 9541-2 while translating the text for JIS
- 9541/008 : Clarification of what constitutes a valid structured name
- 9541/009 : Add reference to ISO 8825 as the ASN.1 encoding method
- 9541/010 : Add an EXPORT statement for Font-Attribute-Set
- 9541/011 : Add definition of "defnmpre" to the SGML format.
- 9541/012 : Replace ASN.1 Attribute name "Font-Global Name" with "Global-Name"

2 Changes to ISO/IEC 9541-2:1991 (E)

Changes are listed in order by page number and clause or sub-clause number. Page numbers are prefixed by the word 'Page'; clause and sub-clause numbers are not prefixed. All notes are part of the corrected text, not part of the instructions for correction. Text appearing after a colon (:) is unquoted literal text to be inserted or deleted, as indicated.

UDC 681.3.655.24 **Ref. No. ISO/IEC 9541-2:1991/Cor.2:1995(E)**

Descriptors: data processing, text processing, information interchange, character sets, alphanumeric character sets, character subsets, representation of characters, formats.

Page 4

6.1 As an Opening First Paragraph, Add:

The concrete syntax for representing the ASN.1 of this clause shall be as defined by ISO 8825.

Page 6

6.1 Replace:

```
iso-standard-9541-nomalign      [20] IMPLICIT Font-Global-Name      OPTIONAL
```

With:

```
iso-standard-9541-nomalign      [20] IMPLICIT Global-Name           OPTIONAL
```

Page 7

6.1 Replace:

```
iso-standard-9541-ncpeaforwd     [0]  IMPLICIT Cardinal             OPTIONAL,
iso-standard-9541-ncpeabackwd    [1]  IMPLICIT Cardinal             OPTIONAL,
```

With:

```
iso-standard-9541-ncpeaforwd     [0]  IMPLICIT Cardinal,
iso-standard-9541-ncpeabackwd    [1]  IMPLICIT Cardinal,
```

Page 7

6.1 Replace:

```
iso-standard-9541-secx       [0]  SEQUENCE OF {
                                  -- at least one required
                                  [0]  IMPLICIT Rational,
                                  [1]  IMPLICIT Rel-Rational }     OPTIONAL,
iso-standard-9541-secy       [1]  SEQUENCE OF {
                                  -- at least one required
                                  [0]  IMPLICIT Rational,
                                  [1]  IMPLICIT Rel-Rational }     OPTIONAL,
```

With:

```
iso-standard-9541-secx       [0]  SEQUENCE OF { SEQUENCE {
                                  -- at least one required
                                  [0]  IMPLICIT Rational,
                                  [1]  IMPLICIT Rel-Rational } }   OPTIONAL,
iso-standard-9541-secy       [1]  SEQUENCE OF { SEQUENCE {
                                  -- at least one required
                                  [0]  IMPLICIT Rational,
                                  [1]  IMPLICIT Rel-Rational } }   OPTIONAL,
```

Page 9

6.1 Replace:

```
iso-standard-9541-peax       [0]  SEQUENCE OF {
                                  -- at least one required
                                  [0]  IMPLICIT Global-Name,
                                  [1]  IMPLICIT Rel-Rational }     OPTIONAL,
iso-standard-9541-peay       [1]  SEQUENCE OF {
                                  -- at least one required
                                  [0]  IMPLICIT Global-Name,
                                  [1]  IMPLICIT Rel-Rational }     OPTIONAL,
```

With:

```
iso-standard-9541-peax      [0]  SEQUENCE OF { SEQUENCE {
                                 -- at least one required
                                 [0]  IMPLICIT Global-Name,
                                 [1]  IMPLICIT Rel-Rational } }   OPTIONAL,
iso-standard-9541-peay      [1]  SEQUENCE OF { SEQUENCE {
                                 -- at least one required
                                 [0]  IMPLICIT Global-Name,
                                 [1]  IMPLICIT Rel-Rational } }   OPTIONAL,
```

Page 10

6.1 Replace:

```
numerator                   [0]  IMPLICIT Integer,
denominator                 [1]  IMPLICIT INTEGER
                                 {first (1), last (2147483647)    OPTIONAL  }
```

With:

```
numerator                   [0]  IMPLICIT INTEGER,
denominator                 [1]  IMPLICIT INTEGER
                                 {first (1), last (2147483647) }  OPTIONAL  }
```

Page 10

6.1 Note 3, Second Sentence, Replace:

The Name-Prefixes property is an indexed list of Structured-Name values (see annex B for the definition of Structured-Names) that are to be pre-pended to the Structured-Name value of any Global-Name containing a corresponding prefix-index value.

With:

The Name-Prefixes property is an indexed list of fully rooted Structured-Name values (containing some number of name components) that are to be paired with the unrooted Structured-Name value (containing the remaining number of name components) of any Global-Name containing the corresponding prefix-index value. For example, if a glyph has a fully qualified Structured-Name value of "ISO/IEC 10036/RA//Glyphs::1234", then a fully rooted Structured-Name Name-Prefix value would be a Structured-Name value beginning with "ISO/IEC 10036", not including the smallest unrooted Structured-Name value of "1234".

Page 13

6.2 Replace:

```
<!ELEMENT (plist | oplist)   - o  (defnmpre? , niprop)+   -- property lists -->
<!ELEMENT (vlist | ovlist)   - o  ((%simval;)+)              -- value lists -->
```

With:

```
<!ELEMENT (plist | oplist)   - o  (defnmpre? , niprop)+   -- property lists -->
<!ELEMENT defnmpre           - o  (prefix)          -- default name prefix -->
<!ELEMENT (vlist | ovlist)   - o  ((%simval;)+)              -- value lists -->
```

Page 14

6.2 Note 4, Second Sentence, Replace:

The nametbl element is an indexed list of Structured-Name values (see Annex B for the definition of Structured-Names) that are to be prepended to the Structured-Name value of any glbname element containing a corresponding prefix value.

With:

The nametbl element is an indexed list of fully rooted Structured-Name values (containing some number of name components) that are to be paired with the unrooted Structured-Name value (containing the remaining number of name components) of any glbname element containing the corresponding prefix value. For example, if a glyph has a fully qualified Structured-Name value of "ISO/IEC 10036/RA//Glyphs::1234", then a fully rooted Structured-Name Name-Prefix value would be a Structured-Name value beginning with "ISO/IEC 10036", not including the smallest unrooted Structured-Name value of "1234".

Page 15

A.1 Replace:

```
IMPORTS  Structured-Name  FROM  {1 0 9541 2 3}
```

With:

```
IMPORTS  Structured-Name  FROM  {1 0 9541 2 3}
EXPORTS  Font-Attribute-Set
```

Page 16

A.1 Replace:

```
Name-Prefix              ::=  SEQUENCE {
                         -- see global name note at the end of this clause
```

With:

```
Name-Prefix              ::=  SEQUENCE {
                         -- see NOTE 3 at the end of 6.1
```

Page 17

A.1 Replace:

```
iso-standard-9541-nomalign      [20] IMPLICIT Font-Global-Name     OPTIONAL,
```

With:

```
iso-standard-9541-nomalign      [20] IMPLICIT Global-Name          OPTIONAL,
```

Page 18

A.1 Replace:

```
iso-standard-9541-ncpeaforwd     [0]  IMPLICIT Cardinal         OPTIONAL,
iso-standard-9541-ncpeabackwd    [1]  IMPLICIT Cardinal         OPTIONAL,
```

With:

```
iso-standard-9541-ncpeaforwd     [0]  IMPLICIT Cardinal,
iso-standard-9541-ncpeabackwd    [1]  IMPLICIT Cardinal,
```

Page 18

A.1 Replace:

```
iso-standard-9541-secx       [0]  SEQUENCE OF {
                                  -- at least one required
                                  [0]  IMPLICIT Rational,
                                  [1]  IMPLICIT Rel-Rational }     OPTIONAL,
iso-standard-9541-secy       [1]  SEQUENCE OF {
                                  -- at least one required
                                  [0]  IMPLICIT Rational,
                                  [1]  IMPLICIT Rel-Rational }     OPTIONAL,
```

With:

```
iso-standard-9541-secx      [0]  SEQUENCE OF { SEQUENCE {
                            -- at least one required
                                 [0]  IMPLICIT Rational,
                                 [1]  IMPLICIT Rel-Rational } }   OPTIONAL,
iso-standard-9541-secy      [1]  SEQUENCE OF { SEQUENCE {
                                 -- at least one required
                                 [0]  IMPLICIT Rational,
                                 [1]  IMPLICIT Rel-Rational } }   OPTIONAL,
```

Page 20

A.1 Replace:

```
iso-standard-9541-peax      [0]  SEQUENCE OF {
                                 -- at least one required
                                 [0]  IMPLICIT Rational,
                                 [1]  IMPLICIT Rel-Rational }     OPTIONAL,
iso-standard-9541-peay      [1]  SEQUENCE OF {
                                 -- at least one required
                                 [0]  IMPLICIT Rational,
                                 [1]  IMPLICIT Rel-Rational }     OPTIONAL,
```

With:

```
iso-standard-9541-peax      [0]  SEQUENCE OF { SEQUENCE {
                                 -- at least one required
                                 [0]  IMPLICIT Rational,
                                 [1]  IMPLICIT Rel-Rational } }   OPTIONAL,
iso-standard-9541-peay      [1]  SEQUENCE OF { SEQUENCE {
                                 -- at least one required
                                 [0]  IMPLICIT Rational,
                                 [1]  IMPLICIT Rel-Rational } }   OPTIONAL,
```

Page 21

A.1 Replace:

```
numerator                   [0]  IMPLICIT Integer,
denominator                 [1]  IMPLICIT INTEGER
                                 {first (1), last (2147483647)    OPTIONAL  }
```

With:

```
numerator                   [0]  IMPLICIT INTEGER,
denominator                 [1]  IMPLICIT INTEGER
                                 {first (1), last (2147483647) }  OPTIONAL  }
```

Page 22

A.2 Replace:

```
<!ELEMENT  nametbl      - o  (prefix , strucnm)+-- name prefix table -->
                    -- see global name note at the end of this clause -->
```

With:

```
<!ELEMENT  nametbl      - o  (prefix , strucnm)+-- name prefix table -->
                    -- see NOTE 4 at the end of 6.2 -->
```

Page 24

A.2 Replace:

```
<!ELEMENT (plist | oplist)   - o (defnmpre? , niprop)+  -- property lists -->
<!ELEMENT (vlist | ovlist)   - o ((%simval;)+)           -- value lists -->
```

With:

```
<!ELEMENT (plist | oplist)   - o (defnmpre? , niprop)+  -- property lists -->
<!ELEMENT defnmpre           - o (prefix)          -- default name prefix -->
<!ELEMENT (vlist | ovlist)   - o ((%simval;)+)           -- value lists -->
```

Page 26

B.1 In the Last Sentence, Replace the phrase:

ISO 9070

With:

ISO/IEC 9070

Page 26

B.1 After the Last Sentence, Add:

A valid structured-name is one that is fully rooted, either by explicitly defining the full set of owner-name and object-name components or by implicitly defining the root and some number of name components and explicitly defining the remaining name components.

NOTE 4a The ASN.1 and SGML formats defined in this Annex show all elements of the structured name as being optional. These formats are for coding efficiency, permitting separation of the structured-name components into a separate name prefix and a name suffix. These format conveniences do not imply that a structured name does not need to be fully rooted.

Page 26

B.3 Replace:

ISO 9070

With:

ISO/IEC 9070

Page 27

B.3.1 Replace:

```
Owner-Name-Component        ::=   { [0] VisibleString  }
                                      -- except for "//" and "::"
Object-Name-Component       ::=   { [0] VisibleString  }
```

With:

```
Owner-Name-Component        ::=   [0] VisibleString
                                      -- except for "//" and "::"
Object-Name-Component       ::=   [0] VisibleString
```