**INTERNATIONAL STANDARD ISO/IEC 9541-2:1991**
TECHNICAL CORRIGENDUM 1

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# Information technology – Font information interchange –

# Part 2:
# Interchange format

## TECHNICAL CORRIGENDUM 1

*Technologies de l'information – Échange d'informations sur les fontes –*

*Partie 2: Format d'échange*

*RECTIFICATIF TECHNIQUE 1*

Technical corrigendum 1 to International Standard ISO/IEC 9541-2:1991 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology.*

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**Subclause 5.1**

At the end of the subclause, after the last parameter in the list, add the following:

NOTE – For font resource implementation consistency and for font reference comparison efficiency it is recommended that all font resources specify the Relative Rational Units, and use that specified value as the denominator for all Relative Rational values. For consistency with existing industry practice, it is recommended that a value of 1 000 be used for the Relative Rational Units.

**UDC 681.3 : 655.24** **Ref. No. ISO/IEC 9541-2:1991/Cor.1:1993 (E)**

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

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**Subclause 6.1**

In the definition of the Font-Description constructed type, replace:

```
iso-standard-9541-datacopyright  [3]  IMPLICIT  Message   OPTIONAL,
iso-standard-9541-dsnsource      [4]  IMPLICIT  Global-Name       ,
iso-standard-9541-dsncopyright   [5]  IMPLICIT  Message   OPTIONAL,
iso-standard-9541-relunits       [6]  IMPLICIT  Cardinal  OPTIONAL,
iso-standard-9541-typeface       [7]  IMPLICIT  Message   OPTIONAL,
iso-standard-9541-fontfamily     [8]  IMPLICIT  Match-String      ,
```

with:

```
iso-standard-9541-datacopyright  [3]  Message              OPTIONAL,
iso-standard-9541-dsnsource      [4]  IMPLICIT  Global-Name       ,
iso-standard-9541-dsncopyright   [5]  Message              OPTIONAL,
iso-standard-9541-relunits       [6]  IMPLICIT  Cardinal   DEFAULT 1
                                                           OPTIONAL,
iso-standard-9541-typeface       [7]  Message              OPTIONAL,
iso-standard-9541-fontfamily     [8]  Match-String                 ,
```

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**Subclause 6.1**

In the definition of the Rel-Rational constructed type, replace:

```
                        -- denominator defaults to relunits or 1
```

with:

```
                        -- denominator defaults to relunits
```

In the definition of the Proprietary-Data constructed type, replace:

```
prop-data-message           [0]  IMPLICIT Message   OPTIONAL,
```

with:

```
prop-data-message           [0]  Message            OPTIONAL,
```

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**Subclause 6.2**

In the definition of the "relunits" element, replace:

```
<!ELEMENT relunits - o (card)                    -- RELUNITS -->
```

with:

```
<!ELEMENT relunits - o (card)      -- RELUNITS, defaults to 1 -->
```

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**Subclause 6.2**

In the definition of the "wrmode" element, replace:

```
                glyphs    & niprop*))      -- WRMODE -->
```

with:

```
                gmetrics  & niprop*))      -- WRMODE -->
```

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**Clause A.1**

In the definition of the Font-Description constructed type, replace:

```
iso-standard-9541-datacopyright  [3]  IMPLICIT  Message       OPTIONAL,
iso-standard-9541-dsnsource      [4]  IMPLICIT  Global-Name   OPTIONAL,
iso-standard-9541-dsncopyright   [5]  IMPLICIT  Message       OPTIONAL,
iso-standard-9541-relunits       [6]  IMPLICIT  Cardinal      OPTIONAL,
iso-standard-9541-typeface       [7]  IMPLICIT  Message       OPTIONAL,
iso-standard-9541-fontfamily     [8]  IMPLICIT  Match-String  OPTIONAL,
```

with:

```
iso-standard-9541-datacopyright  [3]  Message                 OPTIONAL,
iso-standard-9541-dsnsource      [4]  IMPLICIT  Global-Name   OPTIONAL,
iso-standard-9541-dsncopyright   [5]  Message                 OPTIONAL,
iso-standard-9541-relunits       [6]  IMPLICIT  Cardinal  DEFAULT 1
                                                             OPTIONAL,
iso-standard-9541-typeface       [7]  Message                 OPTIONAL,
iso-standard-9541-fontfamily     [8]  Match-String            OPTIONAL,
```

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**Clause A.1**

In the definition of the Rel-Rational constructed type, replace:

```
                        -- denominator defaults to relunits or 1
```

with:

```
                        -- denominator defaults to relunits
```

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**Clause A.1**

In the definition of the Proprietary-Data constructed type, replace:

```
prop-data-message           [0]  IMPLICIT  Message   OPTIONAL,
```

with:

```
prop-data-message           [0]  Message             OPTIONAL,
```

**Clause A.2**

In the definition of the "relunits" element, replace:

```
<!ELEMENT relunits - o (card)                    -- RELUNITS -->
```

with:

```
<!ELEMENT relunits - o (card)      -- RELUNITS, defaults to 1 -->
```

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**Clause A.2**

In the definition of the "wrmode" element, replace:

```
                glyphs?  & niprop*))        -- WRMODE -->
```

with:

```
                gmetrics & niprop*))        -- WRMODE -->
```

--`,,```,,,,````-`-`,,`,,`,`,,`---

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**Subclause B.3.1**

In the definition of the Structured-Name constructed type, replace:

```
   owner-description          [1]  IMPLICIT Message       OPTIONAL,
   object-name                [2]  SEQUENCE OF Object-Name-Component
                                                          OPTIONAL,
                              -- length restricted to 100 characters
   object-description         [3]  IMPLICIT Message       OPTIONAL  }
```

with

```
   owner-description          [1]  Message                OPTIONAL,
   object-name                [2]  SEQUENCE OF Object-Name-Component
                                                          OPTIONAL,
                              -- length restricted to 100 characters
   object-description         [3]  Message                OPTIONAL  }
```

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