



# 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.

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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-dsnsourc     [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-dsnsourc     [4] IMPLICIT Global-Name
iso-standard-9541-dsncopyright [5] Message OPTIONAL,
iso-standard-9541-relunits     [6] IMPLICIT Cardinal DEFAULT 1
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 & niproprop*)) -- WRMODE -->
```

with:

```
gmetrics & niproprop*)) -- 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-dsnsourc	[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-dsnsourc	[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 -->
```