



**INTERNATIONAL STANDARD ISO/IEC 9593-4:1991
TECHNICAL CORRIGENDUM 1**

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION · МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ · ORGANISATION INTERNATIONALE DE NORMALISATION
INTERNATIONAL ELECTROTECHNICAL COMMISSION · МЕЖДУНАРОДНАЯ ЭЛЕКТРОТЕХНИЧЕСКАЯ КОМИССИЯ · COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

Information technology — Computer graphics — Programmer's Hierarchical Interactive Graphics System (PHIGS) language bindings —

Part 4:

C

TECHNICAL CORRIGENDUM 1

Technologies de l'information — Infographie — Interfaces langage entre un programme d'application et son support graphique —

Partie 4: C

RECTIFICATIF TECHNIQUE 1

Technical corrigendum 1 to International Standard ISO/IEC 9593-4:1991 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 24, *Computer graphics and image processing*.

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Subclause 5.3

Pcolr_rep data type, change CIE L*u*v* to be CIELUV.

UDC 681.3.01:681.3.04(084):800.92

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Subclause 5.4

Pcieluv data type, replace the existing data type with the following:

Pcieluv **CIELUV**

```
typedef struct {

    Pfloat    u_prime;    /* u_prime coefficient */
    Pfloat    v_prime;    /* v_prime coefficient */
    Pfloat    y;          /* y (luminance) */

} Pcieluv;
```

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Subclause 5.4

Add the following after the TEXT PRECISION data type:

```
Ptrunc_meth TRUNCATION_METHOD

typedef enum {
    PTRUNC_HEAD,           /* returns head of path */
    PTRUNC_TAIL            /* returns tail of path */
} Ptrunc_meth;
```

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Subclause 7.9

RETRIEVE PATHS TO ANCESTORS, change the third parameter from

```
to      Ppath_order    order,          /* path order */
        Ptrunc_meth   trunc_method, /* truncation method */
```

RETRIEVE PATHS TO DESCENDANTS, change the third parameter from

```
to      Ppath_order    order,          /* path order */
        Ptrunc_meth   trunc_method, /* truncation method */
```

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Subclause 7.12.7

INQUIRE PATHS TO ANCESTORS, change the second parameter from

```
to      Ppath_order    order,          /* path order */
        Ptrunc_meth   trunc_method, /* truncation method */
```

INQUIRE PATHS TO DESCENDANTS, change the second parameter from

```
to      Ppath_order    order,          /* path order */
        Ptrunc_meth   trunc_method, /* truncation method */
```

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Clause A.2

Add the following after the TEXT PRECISION data type:

```
typedef enum {
    PTRUNC_HEAD,           /* returns head of path */
    PTRUNC_TAIL            /* returns tail of path */
} Ptrunc_meth;
```

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Clause A.2

Pcieluv data type, replace the existing data type with the following:

```
typedef struct {
    Pfloat     u_prime;      /* u_prime coefficient */
    Pfloat     v_prime;      /* v_prime coefficient */
    Pfloat     y;            /* y(luminance) */
}
```

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Clause A.3

RETRIEVE PATHS TO ANCESTORS, change the third parameter from

```
Ppath_order      order,          /* path order */
to              Ptrunc_meth   trunc_method, /* truncation method */
```

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Clause A.3

RETRIEVE PATHS TO DESCENDANTS, change the third parameter from

```
Ppath_order      order,          /* path order */
to              Ptrunc_meth   trunc_method, /* truncation method */
```

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Clause A.3

INQUIRE PATHS TO ANCESTORS, change the second parameter from

```
Ppath_order      order,          /* path order      */  
to  
Ptrunc_meth    trunc_method,   /* truncation method */
```

INQUIRE PATHS TO DESCENDANTS, change the second parameter from

```
Ppath_order      order,          /* path order      */  
to  
Ptrunc_meth    trunc_method,   /* truncation method */
```