

INTERNATIONAL
STANDARD

ISO/IEC
8632-4

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AMENDMENT 2
1995-08-01

**Information technology — Computer graphics —
Metafile for the storage and transfer of picture
description information —**

Part 4:
Clear text encoding

AMENDMENT 2: Application structuring extensions

*Technologies de l'information — Infographie — Métafichier de stockage et de
transfert des informations de description d'images —*

Partie 4: Codage en clair des textes

AMENDEMENT 2: Extensions de structure d'application



Reference number
ISO/IEC 8632-4:1992/Amd.2:1995(E)

Foreword

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Amendment 2 to International Standard ISO/IEC 8632-4 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 24, *Computer graphics and image processing*.

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Information technology - Computer graphics - Metafile for the storage and transfer of picture description information

**Part 4:
Clear text encoding**

AMENDMENT 2: Application structuring extensions

Pages ii-iii

Add the following to Contents:

6.10 Encoding application structure descriptor elements

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WithoutDrawn

6.2 Encoding metafile descriptor elements

Change the production of *METAFILE VERSION*, page 20, to read:

```
"METAFILE VERSION ::= MFVERSION
                        <SOFTSEP>
                        <I:VERSION>
                        { 1=Version 1, 2=Version 2,
                          3=Version 3, 4=Version 4 }
                        <TERM>"
```

Change the 2nd sentence of the paragraph following the production of *METAFILE ELEMENT LIST*, page 23, to read:

"In addition, the words *DRAWINGPLUS*, *DRAWINGSET*, *VERSION2*, *EXTPRIM*, *VERSION2GKSM*, *VERSION3*, and *VERSION4* may be used in this string."

Add the following encodings and notes at the end of the list, page 27:

```
"PICTURE DIRECTORY ::= PICDIR
                        <SOFTSEP>
                        <UI8 | UI16 | UI32>
                        <<SEP><PICDIRTRIPLE>>+
                        <TERM>
```

```
PICDIRTRIPLE ::= <SF:PICID>
                <SEP>
                <I:PICLOCATION>
                <SEP>
                <I:APSDIRLOCATION>
```

NOTES

7 The first (enumerated) parameter selects the location data type ([ldt]) for the subsequent *PICLOCATION* and *APSDIRLOCATION* parameters. These are integer-bound parameters, and the [ldt] selects one of three unsigned integer precisions. The values of *PICLOCATION* are the offsets measured in characters from the first character of the metafile to the first character of the associated *BEGIN PICTURE* element. The values of *APSDIRLOCATION* are the offsets measured in characters from the start of the metafile to the first character of the *APPLICATION STRUCTURE DIRECTORY* element of the associated picture. For the purpose of measuring offsets, a character is a generic unit as defined in Subclause 4.1. For string parameters, a character represents a single byte, regardless of the ISO 2022 coding environment in effect for the string parameter (See 4.7.3.2 ISO/IEC 8632-1:1992).

8 Editing of clear-text encoded Version 4 metafiles may invalidate *PICLOCATION* and *APSDIRLOCATION* values. If so, these values must be recomputed. Also, translation of clear text metafiles between computing environments may invalidate *PICLOCATION* and *APSDIRLOCATION* values as different environments represent line endings differently."

6.3 Encoding picture descriptor elements

Add the following encodings at the end of list, page 31:

```
"APPLICATION STRUCTURE DIRECTORY ::= APSDIR
                                    <SOFTSEP>
                                    <UI8 | UI16 | UI32>
                                    <<SEP><APSDIRPAIR>>+
```