

INTERNATIONAL STANDARD

ISO/IEC
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AMENDMENT 1
1992-09-01

Information processing systems — Computer graphics — Programmer's Hierarchical Interactive Graphics System (PHIGS) —

Part 3 : Clear-text encoding of archive file

AMENDMENT 1

*Systèmes de traitement de l'information — Infographie — Interface de
programmation du système graphique hiérarchisé (PHIGS) —*

Partie 3 : Codage mode texte en clair du fichier d'archive

AMENDEMENT 1



Reference number
ISO/IEC 9592-3 : 1989 (Amendment 1)



Document Sharing Hub

Foreword

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Amendment 1 to International Standard ISO/IEC 9592-3 : 1989 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*.

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Introduction

This amendment specifies the additions and changes to ISO/IEC 9592-3 to support the structure elements specified in ISO/IEC 9592-4. A clear text encoding is specified for each of the structure element types specified in ISO/IEC 9592-4.

Unless otherwise specified, all references in this amendment refer to ISO/IEC 9592-3.

Withdrawal

Withdrawn

Information processing systems—Computer graphics— Programmer's Hierarchical Interactive Graphics System (PHIGS)— Part 3: Clear-text encoding of archive file Amendment 1

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4.2.4.5 Derived types

Add the following:

COLRCURVE ::= <LEFT PAREN><OPTSEP>
<I:ORDER> <SEP>
<RLIST:KNOTS> <SEP>
<RATIONAL | NONRATIONAL> <SEP>
<I:COLOUR TYPE> <SEP>
<COLRVLIST:CONTROL_POINTS>
<OPTSEP> <RIGHT PAREN>

COLRSURF ::= <LEFT PAREN><OPTSEP>
<I:U_ORDER> <SEP>
<I:V_ORDER> <SEP>
<RLIST:U_KNOTS> <SEP>
<RLIST:V_KNOTS> <SEP>
<RATIONAL | NONRATIONAL> <SEP>
<I:COLOUR_TYPE> <SEP>
<COLRVLISTS:CONTROL_POINTS>
<OPTSEP> <RIGHT PAREN>

NOTE: Each COLRVLIST contains control points along the u dimension.

COLRV ::= <I:COLOUR_INDEX>
| <COORDLIST:COLOUR_COORDINATES>
>

COLRVLIST ::= <LEFT PAREN> <OPTSEP>
< <COLRV> <<SEP> <COLRV>>* >0
<OPTSEP> <RIGHT PAREN>

COLRVLISTS ::= <LEFT PAREN> <OPTSEP>
< <COLRVLIST> <<SEP> <COLRVLIST>>* >0
<OPTSEP> <RIGHT PAREN>

COLRVROWS ::= COLRVLISTS

COORDLIST ::= <LEFT PAREN> <OPTSEP>
<COORD> << SEP> <COORD>>*<OPTSEP> <RIGHT PAREN>

CURVEAPPROXDATAREC ::= <LEFT PAREN> <OPTSEP>
<<I:COUNT>
| <R:APPROXIMATION_VALUE>
| <S:TYPE_DEPENDENT_DATA>>0
<OPTSEP> <RIGHT PAREN>>

DATAMAPPINGDATAREC ::= <LEFT PAREN> <OPTSEP>
<
<DATAMAPPINGDATAREC1>
| <DATAMAPPINGDATAREC2>
| <DATAMAPPINGDATAREC3>
| <DATAMAPPINGDATAREC4>
| <DATAMAPPINGDATAREC5>
| <S:METHOD_DEPENDENT_DATA>
>0
<OPTSEP> <RIGHT PAREN>

DATAMAPPINGDATAREC1 ::= <SOURCESELECTORLIST:SELECTOR>

DATAMAPPINGDATAREC2 ::= <SOURCESELECTORLIST:SELECTOR> <SEP>
<I:INDEX> <SEP>
<R:LOWER_LIMIT> <SEP>
<R:UPPER_LIMIT> <SEP>
<I:COLOUR_TYPE> <SEP>
<CORLVLIST:COLOUR_LIST>

DATAMAPPINGDATAREC3 ::= <SOURCESELECTORLIST:SELECTOR> <SEP>
<I:INDEX> <SEP>
<RLIST:RANGE_BOUNDARIES> <SEP>
<I:COLOUR_TYPE> <SEP>
<CORLVLIST:COLOUR_LIST>

DATAMAPPINGDATAREC4 ::= <SOURCESELECTORLIST:SELECTOR> <SEP>
<I:INDEX_1> <SEP>
<I:INDEX_2> <SEP>
<R:Ra_LOWER_LIMIT> <SEP>
<R:Ra_UPPER_LIMIT> <SEP>
<R:Rb_LOWER_LIMIT> <SEP>
<R:Rb_UPPER_LIMIT> <SEP>
<I:COLOUR_TYPE> <SEP>
<CORLVLISTS:COLOUR_LISTS>

DATAMAPPINGDATAEC5	<pre> ::= <SOURCESELECTORLIST:SELECTOR> <SEP> <I:INDEX_1> <SEP> <I:INDEX_2> <SEP> <RLISTS:Ra_RANGE_BOUNDARIES> <SEP> <RLISTS:Rb_RANGE_BOUNDARIES> <SEP> <I:COLOUR_TYPE> <SEP> <CORLVLISTS:COLOUR_LISTS> </pre>
DATASURF	<pre> ::= <LEFT PAREN> <OPTSEP> <I:U_ORDER> <SEP> <I:V_ORDER> <SEP> <RLIST:U_KNOTS> <SEP> <RLIST:V_KNOTS> <SEP> <RATIONAL NONRATIONAL> <SEP> <RLISTS:CONTROL_POINTS> <OPTSEP> <RIGHT PAREN> </pre>
NOTE: Each RLIST is a single control point. Each RLISTS contains control points along the u dimension.	
DATASURFLIST	<pre> ::= <LEFT PAREN> <OPTSEP> <DATASURF> <<SEP> <DATASURF>>* <OPTSEP> <RIGHT PAREN> </pre>
EDGEDATAFLAG	<pre> ::= < NONE EDGE_VISIBILITY_FLAGS > </pre>
EDGEFLAG	<pre> ::= < OFF ON > </pre>
EDGEFLAG2	<pre> ::= <LEFT PAREN> <OPTSEP> <EDGEFLAG> <SEP> <EDGEFLAG> <OPTSEP> <RIGHT PAREN> </pre>
EDGEFLAG2ROW	<pre> ::= <LEFT PAREN> <OPTSEP> <<EDGEFLAG2> <<SEP> <EDGEFLAG2>>* >0 <OPTSEP> <RIGHT PAREN> </pre>
EDGEFLAG3	<pre> ::= <LEFT PAREN> <OPTSEP> <EDGEFLAG> <SEP> <EDGEFLAG> <SEP> <EDGEFLAG> <OPTSEP> <RIGHT PAREN> </pre>
EDGEFLAG3LIST	<pre> ::= <LEFT PAREN> <OPTSEP> <<EDGEFLAG3> <<SEP> <EDGEFLAG3>>* >0 <OPTSEP> <RIGHT PAREN> </pre>
EDGEFLAGLIST	<pre> ::= <LEFT PAREN> <OPTSEP> <<EDGEFLAG> <<SEP> <EDGEFLAG>>* >0 <OPTSEP> <RIGHT PAREN> </pre>
EDGEFLAGLISTS	<pre> ::= <LEFT PAREN> <OPTSEP> <<EDGEFLAGLIST> <<SEP> <EDGEFLAGLIST>>* >0 <OPTSEP> <RIGHT PAREN> </pre>

EDGEFLAGLISTSLIST ::= <LEFT PAREN> <OPTSEP>
<<EDGEFLAGLISTS> <<SEP> <EDGEFLAGLISTS>>* >0
<OPTSEP> <RIGHT PAREN>

EDGEFLAGROW ::= <EDGEFLAGLIST>

FACETDATA ::= <LEFT PAREN> <OPTSEP>
<COLRV>0
<<SEP> <V3:UNIT_NORMAL>>0
<<SEP> <RLIST:DATA_MAPPING_DATA>>0
<OPTSEP> <RIGHT PAREN>

FACETDATAFLAG ::= <
NONE
| FACET_COLR
| FACET_NORMAL
| FACET_DATA
| FACET_COLR_NORMAL
| FACET_COLR_DATA
| FACET_NORMAL_DATA
| FACET_COLR_NORMAL_DATA
>

FACETDATALIST ::= <LEFT PAREN> <OPTSEP>
<<FACETDATA> <<SEP> <FACETDATA>>* >0
<OPTSEP> <RIGHT PAREN>

FACETDATALISTS ::= <LEFT PAREN> <OPTSEP>
<<FACETDATALIST> <<SEP> <FACETDATALIST>>* >0
<OPTSEP> <RIGHT PAREN>

FACETDAROW ::= <FACETDATALIST>

GCOLR ::= <I:COLOUR_TYPE> <SEP> <COLRV>

INT3 ::= <LEFT PAREN> <OPTSEP>
<I> <SEP> <I> <SEP> <I>
<OPTSEP> <RIGHT PAREN>

INT3LIST ::= <LEFT PAREN> <OPTSEP>
<<INT3> <<SEP> <INT3>>* >0
<OPTSEP> <RIGHT PAREN>>

INT3LISTS ::= <LEFT PAREN> <OPTSEP>
<<INT3LIST> <<SEP> <INT3LIST>>* >0
<OPTSEP> <RIGHT PAREN>>

INTLIST ::= <LEFT PAREN> <OPTSEP>
<<I> <<SEP> <I>>* >0
<OPTSEP> <RIGHT PAREN>>