

INTERNATIONAL STANDARD

ISO/IEC 9592-3

First edition
1989-04-01

AMENDMENT 1
1992-09-01

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

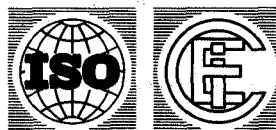
Part 3 :
Clear-text encoding of archive file

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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In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

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.



**Information processing systems—Computer graphics—
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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>

DATAMAPPINGDATA REC5	::= <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>
DATASURF	::= <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>
NOTE: Each RLIST is a single control point. Each RLISTS contains control points along the <i>u</i> dimension.	
DATASURFLIST	::= <LEFT PAREN> <OPTSEP> <DATASURF> <<SEP> <DATASURF>>* <OPTSEP> <RIGHT PAREN>
EDGEDATAFLAG	::= < NONE EDGE_VISIBILITY_FLAGS >
EDGEFLAG	::= < OFF ON >
EDGEFLAG2	::= <LEFT PAREN> <OPTSEP> <EDGEFLAG> <SEP> <EDGEFLAG> <OPTSEP> <RIGHT PAREN>
EDGEFLAG2ROW	::= <LEFT PAREN> <OPTSEP> <<EDGEFLAG2> <<SEP> <EDGEFLAG2>>* >0 <OPTSEP> <RIGHT PAREN>
EDGEFLAG3	::= <LEFT PAREN> <OPTSEP> <EDGEFLAG> <SEP> <EDGEFLAG> <SEP> <EDGEFLAG> <OPTSEP> <RIGHT PAREN>
EDGEFLAG3LIST	::= <LEFT PAREN> <OPTSEP> <<EDGEFLAG3> <<SEP> <EDGEFLAG3>>* >0 <OPTSEP> <RIGHT PAREN>
EDGEFLAGLIST	::= <LEFT PAREN> <OPTSEP> <<EDGEFLAG> <<SEP> <EDGEFLAG>>* >0 <OPTSEP> <RIGHT PAREN>
EDGEFLAGLISTS	::= <LEFT PAREN> <OPTSEP> <<EDGEFLAGLIST> <<SEP> <EDGEFLAGLIST>>* >0 <OPTSEP> <RIGHT PAREN>

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>
FACETDATAROW	::= <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>>