INTERNATIONAL STANDARD

ISO/IEC 10179

First edition
1996-04-01
AMENDMENT 1
2003-10-01

Information technology — Processing languages — Document Style Semantics and Specification Language (DSSSL)

AMENDMENT 1: Extensions to DSSSL

Technologies de l'information — Langages de traitement — Sémantique de présentation de documents et langage de spécifications (DSSSL)

AMENDEMENT 1: Extensions de DSSSL

Contents

Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

Amendment 1 to ISO/IEC 10179:1996 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 34, *Document description and processing languages*.

Introduction

This Amendment specifies additional flow object classes and additional formatting areas, and clarifies some existing definitions in ISO/IEC 10179:1996, as follows.

a) Additional flow object classes are defined to specify on flow object classes for online display. Additional formatting areas are defined to clarify formatting areas for inline-display area and inter-line attachment area.

b) Annex B (informative) summarizes and clarifies the existing types and symbols. This annex will be a key to considering future extensions to DSSSL.

c) Annex C (informative) specifies formal public identifiers and their associated characteristics for various line breaking and line composition methods.

d) Annex D (informative) summarizes and clarifies the grove plan and SGML property set.

e) Annex E (informative) summarizes and clarifies the flow object classes and characteristics.

f) Annex F (informative) summarizes and clarifies the values of characteristics.

Information technology — Processing languages — Document Style Semantics and Specification Language (DSSSL)

AMENDMENT 1: Extensions to DSSSL

Abstract Application Program Interface to DSSSL Flow Object Tree

Add the following subclause after subclause 12.2.

12.2.1 API to Flow Object Tree

A DSSSL processor generates a flow object tree. The flow object tree contains information about the results of applying formatting specifications. DSSSL style editors operate on the flow object tree through an abstract application program interface. This API reports the following information:

— character, glyph and glyph-annotations

— line composition

— paragraph composition

— column-set composition

— page composition

— document composition

— documents' volume composition

The abstract API will include dynamic information relating to the document under construction. DSSSL will define a core interface for page composition. The API architecture is system independent.

Formatting Areas

Add the following subclauses after subclause 12.3.4.

12.3.5 Inline-display areas

DSSSL has the following conceptualized formatting areas:

— Display area

— Inline area

— Attachment area

Display areas may include other display areas as well as inline areas. Inline areas may also include conceptualized display areas known as inline-display areas. DSSSL defines an inline-display area as a "display area included within an inline area".

— display-area := (display-area* | inline-area*)

— inline-area := (inline-display-area* | contents*)

— inline-display-area := (inline-display-area* | contents*)

For examples, DSSSL has the following formatting areas for composition:

— (Main) Display area

   — (Sub) Display area

      — (Subsub) Display area ...

      — Inline area ...

         — Inline-display area ...

   — Inline area ...

      — Inline-display area ...

12.3.6 Inter-line attachment areas

The concept of an attachment creates a link between one of display area or inline area and an attachment area. The attachment area for a display area shall be outside the display area. The attachment area for an inline area shall be within the inter-line area between the current line and the immediately following line, or the border adjacent to the next display area. This amendment, therefore, extends the set of DSSSL formatting areas to the following set:

— Display area

— Inline area

— Inline-display area

— Inter-line area

— Attachment area (for display area)

— Inter-line attachment area

Flow Object Classes

Add the following subclauses after subclause 12.6.28.4.

12.6.28.5 Display-window Flow Object Class

This clause defines an extended-online feature. The display-window flow object class specifies an abstract size for the display frame of an online display. The display-window flow object class may get the top position of current scroll flow object classes as its root class. The display-window flow object class may be a recursive flow object class. It has a single principal port, which accepts any displayed flow objects. This flow object has the following characteristics:

— frame-type: one of the symbols window, dialogue, note, caution, alarm or warning. It specifies the type of window to be displayed. The default value is window.

— frame-size: one of the symbols maximum-size, optimum-size or minimum-size. It specifies the relative size of window to be used for an online display. The default value is optimum-size. This actual values used to represent this characteristic will depend on frame-type characteristics and display devices.

12.6.28.6 Pop-up Flow Object Class

This clause defines an extended-online feature. The pop-up flow object class provides information relating to a pop-up area, or the edge area of the current window frame. It has a single principal port, which accepts any displayed flow objects. This flow object has the following characteristics:

— information-type: one of the symbols anything, warning, error, additional-information, note, origin-of-link, voice-annotation or semantic-annotation. It specifies the type of information to be placed into the pop-up window or the edge area of the current window on online display. The default value is anything.

NOTE   This flow object can be used to display any information, including position data relating to the grove structure.

12.6.28.7 Dialogue Flow Object Class

This clause defines an extended-online feature. The dialogue flow object class is used to specify interactive dialogues for online display. The dialogue flow object class shall be placed at the front top of the screen display within a display-window flow object class. Dialogue flow object classes may be treated as an interactive flow object class. It has a single principal port, which accepts any displayed flow objects. This dialogue flow object has the following characteristics:

— dialogue-type: one of the symbols request, acknowledgement, select-objects, select-from-list or interaction. The initial value is acknowledgement.

— dialogue-return-type: one of the symbols yes-no-cancel, yes-no, OK-NO, OK, tokens or phrase. The initial value is OK.

12.6.29 Sound-Voice and Animation Flow Object Classes

This clause defines the sound-voice-and-animation feature. The sound-voice and animation flow object classes is used for sounds, voices and animations stored within an external entity. Flow objects of these classes may be inlined or displayed as an online display. This flow object is atomic.

12.6.29.1 Sound-voice Flow Object Class

This clause defines the sound-voice feature. The sound-voice flow object class is used to specify sound and voice data to be used in conjunction with an online display. The sound-voice flow object class may be an atomic object on the other flow object classes, and it may be recursive on itself, depending on the sound-voice system being used. It has a single principal port, which accepts any flow objects. This flow object has the following characteristics:

— output?: boolean specifying whether the flow object shall be output or not. This characteristics is not inherited. The default value is #t.

Other specifications are system independent.

12.6.29.2 Animation Flow Object Class

This clause defines the animation feature. The animation flow object class is used to specify animation on an online display. Animation flow object class may be an atomic object on other flow object classes. It has a single principal port, which accepts any flow objects. This flow object has the following characteristics:

— output?:boolean specifying whether the flow object shall be output rather than displayed and inlined. This characteristics is not inherited. The default value is #t.

Other specifications are system independent.

Annexes

Add the following annexes after Annex A:

— *Annex B (informative) Types and Symbols*

— *Annex C (informative) Formal public identifiers and their associated characteristics*

— *Annex D (informative) Grove plan and SGML property set*

— *Annex E (informative) Flow object classes and characteristics*

— *Annex F (informative) Values of Characteristics*

Annex B
(informative)

Types and Symbols

This annex clarifies the existing data types of specification for DSSSL.

B.1 Expression Language

DSSSL expressions have the following data types:

boolean: logic-type

This type specifies true or false. The value can be defined whether #t or #f. This type is used in conditional expressions. #f means false, #t means true, other objects except #t and #f mean true. (See 8.2.2 True and False, and 8.5.1 Booleans.)

e.g., ((if equal wordflag #*t*) *x y*)

symbol: symbol-type

The symbol identifies strings for optional semantics. The value is used for specification of DSSSL scripts as parameters. In an expression, the symbol requires a single quotation (') before the string of symbol. (See 8.5.4 Symbols.)

e.g., (font-weight: **'***bold*)

keyword: keyword-type

The keyword specifies names of keyword strings. This type is used for specification of a DSSSL script as constant and invariable parameters. In an expression, the keyword requires a single colon (:) after the strings of keywords and some keyword arguments. (See 8.5.5 Keywords.)

e.g., (font-weight: **'***bold*)

char: character-type

The char specifies characters and names of characters. In an expression, the char requires a single sharp (#) and backslash (\) before the character or the name of character. (See 8.5.8 Characters.)

e.g.,

   #**A**: character 'A'

   #**space**: spacing 'empty character'

   #**(**: open circle parentheses '('

pair: pair-type

The pair is constructed with two arguments. A list is constructed from a head part and other part of a pair; the head part is called **car**, other part is called **cdr**.

A pair is converted from a list. When a list is converted from a pair, DSSSL processor should generate an empty list as a tail of the list. The empty list is known as ().

e.g., (glyph-subset-table (list (cons *glyph1 glyph2*)))

DSSSL expressions have the following numerical types:

quantity: quantity-type

number: number-type

real: real-number-type

integer: integer-number-type

A quantity-type is represented as the product of a number and the base unit raised to the power of an integer-type. A number-type is the quantity-type without dimension. A real-number-type is a subtype of the number-type. An integer-type is a subtype of the real-number-type and integer-number-type. The quantity-type has both concepts of exactness and inexactness. An inexactness of the quantity-type allows a large size of numerical object to be printed or displayed.

e.g., (even? *tapesize*)

string: string-type

A string-type is similar to a string-type of other programming languages. The string-type is enclosed with double quotation (").

e.g., (string=? headstr "*Contents*")

procedure: procedure-type

A procedure-type is a name of procedure treated as an object in DSSSL.

e.g., (apply (**format-number** *stringsizes*))

language: language-type

e.g., (with-language **french** (spellcheck-french))

B.2 SDQL

node-list: node-list-type

A node-list is the most basic type of SDQL that is used to specify node lists of a grove. A single node should be specified by node-list with a single node list. In DSSSL transformations, this data type with flag specifies and discriminates the result node-list. (See 10 Standard Document Query Language and 10.1.2 Node Lists.)

e.g., (node-list-first **firstpage**)

named-node-list: node-list-with-name-type

A named-node-list specifies node lists with name in a grove tree. (See 10 Standard Document Query Language and 10.1.3 Named Node Lists.)

e.g., (named-node *column1* **page-top**)

B.3 Transformation Language

subgrove-spec: sub-grove-specification-type

A subgrove-spec specifies a sub-grove. All the sub-grove can be specified by specifying the root of the sub-grove.

e.g., (subgrove-spec node | subgrove | class | add | null | remove | children | sublabel sort-children)

create-spec: create-specification-type

e.g.,

>   (**create-root** *obj sg*)

>   (**create-sub** *snl sg property label unique*)

>   (**create-proc** *snl sg label result-path optional unique*)

>   (**create-follow** *snl sg label result-path optional unique*)

result-node-list: result-node-list-type

e.g., (**select-by-relation** *rnl i proc*)

transform-grove-spec: transform-grove-specification-type

Transform-grove-spec specifies information of a grove transformation.

e.g., (**transform-grove** *snl obj ...*) (**select-grove** *nl obj*)

transliteration-map: transliteration-map-type

e.g., (**define-transliteration-map** *variable transliteration-entry*)

B.4 Style Language

sosofo: sosofo-type

A flow object class of DSSSL generates a specification of sequence of flow object(sosofo) as the result of execution.

e.g., (element p (**make** *paragraph*))

style: style type

e.g., (make paragraph style: *emphasizing-style*)

generated-object: generated object type

e.g., (asis-indirect-sosofo (*column-number*))

length: length type

e.g., page-height: *15in*

decoration-area: decoration area type

e.g.,

```
(make external-graphic entity-system-id: "sample.gif"
(decoration-area "graphics sample"
placement-point-x: 50
placement-point-y: 250))
```

display-space: display space type

e.g., space-before: (display-space *15pt max: 45pt priority: 1*)

inline-space: inline space type

e.g., escapement-space-before: (inline-space *15pt max:45pt*)

glyph-id: glyph identifier type

e.g., (glyph-subst *gst-eng* **glyph-aacute**)

glyph-subst-table: glyph substitution table type

e.g., (make character glyph-id: *eacute* glyph-subst-table: **gst-eng**)

address: address type

e.g., (make *link* destination: **chapter-2**)

color-space: color space type

(color-space string arg ...)

e.g., (color-space **"ISO/IEC 10179:1996//Color-Space Family::Device RGB"**)

color: color type

(color color-space arg ...)

e.g.,

```
(define *rgb-color-space*
(color-space
"ISO/IEC 10179:1996//Color-Space Family::Device RGB"))
(define *midnight-blue* (color *rgb-color-space* 0.0 0.0 0.5))
...
(make paragraph color: *midnight-blue*)
```

page-model: page-model type

(define-page-model **page-model-name** [[region+ | width | height | filling | decoration]])

e.g., (region [[x | y | width | height | decoration* | filling | header | footer | flow-map?]])

column-set-model: column-set-model type

(define-column-set-model **variable** [[column-subset* | fill-out? | tied-column-subset* | filling-direction? | width? | height? | decoration*]]) (column-subset [[column+ | flow-map | top-float-space-below? | bottom-float-space-above? | balance? |justify? | justify-limit? | justify-last-limit? | length-deviation? | length-decrease-order? | align-lines?]]) (column [[width? | height? | x-origin? | y-origin? | footnote-separator? | header? | footer?]])

Annex C
(informative)

Formal public identifiers and their associated characteristics

DSSSL should support to register the formal public identifiers (fpi) for values without description of characteristics. The characteristics are;

— line-breaking-method:

— line-composition-method: .

The characteristics' values should be registered according to ISO/IEC 9070, e.g.,

— "ISO/IEC 10179:1996//LINE COMPOSITION METHOD::KYOTO"

— "ISO/IEC 10179:1996//LINE COMPOSITION METHOD::OXFORD"

— "ISO/IEC 10179:1996//LINE COMPOSITION METHOD::CHICAGO"

— "ISO/IEC 10179:1996//LINE BREAKING METHOD::TRADITIONAL VERTICAL BREAK".

Annex D
(informative)

Grove plan and SGML property set

This annex clarifies the relationship among modules of grove plan, and property set. A result tree which was parsed is called a "grove". The grove becomes a source tree for the input of a DSSSL processor for translation and style specification. A property set consists of elements, attributes, and values of information structure of the grove.

NOTE   See Annex A "SGML Extended Facilities" in ISO/IEC 10744:1997.

D.1 Grove plan

A grove plan defines the level of pre-processing for information structure given by parsing an SGML instance. The number of modules is 18 in the existing grove plan. A base abstract(baseabs) module is the top of module structure.
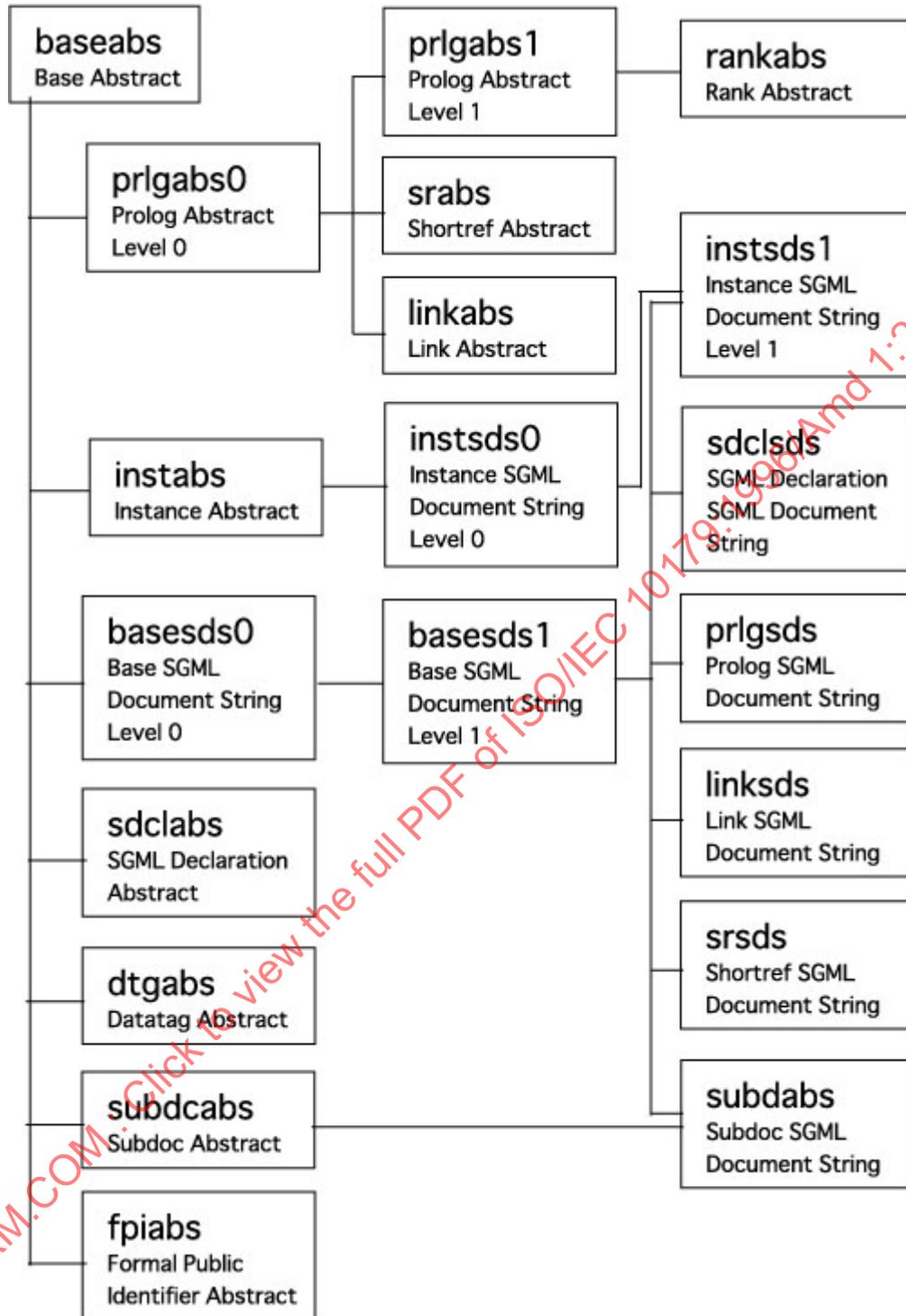
Figure D.1 — Relationship between modules of grove plan

D.2 SGML property set

The property set is an information structure of the grove. It includes elements, structures, and values of the information structure. Table D.1 shows the contents of the property set.

The elements consists of property set modules (psmodule), class definitions (classdef), and property definitions (propdef). Each of elements has some attributes.

Table D.1 — Contents of SGML property set

Element No.	ps module	element classdef	profdef	Node related specification	fullnm	appnm	clause	data type	attribute ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acmprop	mayadd
1	baseabs	-	-	-	"base abstract"	-	-	-										
2		sgmldoc	-	-	-	"sgml document"	"62001"	-										
3			sgmlcsts	subnode	-	"sgml constants"	"41170 41180"	node	sgmlcsts									
4			appinfo	-	"application information"	"application info"	"d6001"	string		min data								
5			prolog	subnode	-	-	"71001"	nodelist	"doctpdcl lktpdcl comdcl pi ssep"		sgml doc							
6			epilog	subnode	-	-	"71002"	nodelist	"comdcl pi ssep"		sgml doc							
7		sgmlcsts	-	-	-	"sgml constants"	"b6004 c2101"	-										
8		attasgn	-	-	-	"attribute assignment"	"79002"	-				value	tokensep					
9			value	subnode	-	-	"79401"	nodelist	"att valtk data chars data intignch entstart entend"									
10			name	-	-	-	"93001"	string		name				general				
11			implied	-	-	-	"b3407"	boolean										

Table D.1 (*continued*)

Element No.	ps module	classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
12			token sep	-	"token separator"	"token sep"	"79400"	char										
13		attvaltk	-	-	-	"attribute value token"	"79305											
14			token	-	-	-	"93003"	string		nm token								
15		datachar	-	-	"data character"	"data char"	"92002"	-				char						
16			char	-	character	-	"92003"	char										
17		sdata	-	-	"internal specific character data entity reference result"	-	"92101"	-				char						
18			sysdata	-	-	"system data"	"43041"	string										
19			char	-	character	-	-	char							DSSSL			
20		pi	-	-	"processing instruction"	-	"80000"	-										
21			sysdata	-	-	"system data"	"80002"	string										
22	prlg abs()	-	-	-	"prolog abstract level 0"	-	-	-								baseabs		
23		-	govdt	irefnode	-	"governing doctype"	"71004"	node	doctype		sgml doc							

Table D.1 (*continued*)

Element No.	ps module	element classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
24		-	dtlts	subnode	"document types and link types"	"doctypes and linktypes"	"71001"	nmnd list	"doctype linktype"		sgml doc						"name name"	
25		doctype	-	-	-	"document type"	"b1000"											
26			name	-	-	-	"b1002"	string		name				general				
27			governing	-	-	governing	"71005"	boolean										
28			genents	subnode	-	"general entities"	"b1004"	nmnd list	entity								name	
29			nots	subnode	-	notations	"b1005"	nmnd list	notation								name	
30		entity	-	-	-	-	"60000"	-										
31			name	-	-	-	"93001"	string		name				entity				
32			enttype	-	-	"entity type"	"a5502"	enum										
33			text	-	"replacement text"	-	"92101"	string										
34			extid	subnode	"external identifier"	"external id"	"a1601"	node	extid									
35			atts	subnode	-	attributes	"b4120"	nmnd list	attasgn									
36			notname	-	-	"notation name"	"79408"	string		name				general			name	
37			notation	irefnode	-	-	"b4001"	node	notation									

Table D.1 (*continued*)

Element No.	element			attribute														
	ps module	classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
38		notation	-	-	"data content notation"	-	"b4000"	-										
39			name	-	-	-	"79441"	string		name				general				
40			extid	subnode	"external identifier"	"external id"	"a1601"	node	extid									
41		extid	-	-	"external identifier"	"external id"	"a1600"											
42			pubid	-	"public identifier"	"public id"	"a1602"	string		min data								
43			sysid	-	"system identifier"	"system id"	"a1603"	string										
44			gen sysid	optional	"generated system identifier"	"generated system id"	-	string										
45	instabs	-	-	-	"instance abstract"	-	-	-								baseabs		
46		-	docelem	subnode	"document element"	-	"72003"	node	element		sgml doc							
47		-	elements	irefnode	-	-	"73001"	nmnd list	element		sgml doc						id	
48		-	entities	irefnode	-	-	"94410"	nmnd list	entity		sgml doc						name	
49		-	entities	irefnode	-	-	"94410"	nmnd list	entity		sgml doc						name	
50		-	dftents	subnode	-	"defaulted entities"	"94412"	nmnd list	entity		sgml doc						name	
51		-	entity	irefnode	-	-	"79401"	node	entity		att valtk							

Table D.1 (*continued*)

Element No.	ps module	element — classdef	element — profdef	Node related specification	fullnm	appnm	clause	data type	attribute — ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
52		-	referent	irefnode	-	-	"79403"	node	element		att valtk							
53		element	-	-	-	-	"73000"	-				content						
54			gi	-	"generic identifier"		"78001"	string		name				general				
55			id	derived	"unique identifier"	-	"79403"	string	name					general			name	
56			atts	subnode	-	attributes	"79301"	nmnd list	attasgn									
57			content	subnode	-	-	"76001"	node list	"data chars data element extdata subdocpi msignch ignrs ignre repos usemap uselink entstart entend ssep comdcl msstart msend ignmrkup"									
58		extdata	-	-	"reference to external data"	"external data"	"a5500"	-										
59			entname	-	-	"entity name"	"a5101"	string		name				entity				

Table D.1 (*continued*)

Element No.	ps module	classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
60			entity	irefnode	-		"94410"	node	entity									
61	basesds ()	-	-	-	"base SGML document string level 0"	-		-								baseabs		
62		-	entname	optional	-	"entity name"	"a5101"	string		name	sdata			entity				
63		-	entity	irefnode	-	-	"94410"	node	entity		sdata							
64		-	entname	-	-	"entity name"	"a5101"	string		name	pi			entity				
65		-	entity	irefnode	-	-	"94410"	node	entity		pi							
66		-	dflted	-	-	defaulted	"94412"	boolean										
67	basesds 1	-	-	-	"base SGML document string level 1"	-	-	-			entity					basesds0		
68		-	entref	subnode optional	"entity reference"	"entity ref"	"94401"	node list	"gendelm name ssep entstart entend refendre shortref"		pi							
69		-	open	subnode optional	"open delimiter"	"open delim"	"80001"	node	gendelm		pi							

Table D.1 (*continued*)

Element No.	element: ps module	classdef	profdef	Node related specification	fullnm	appnm	clause	data type	attribute: ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
70		-	close	subnode optional	"close delimiter"	"close delim"	"80001"	node	gendelm		pi							
71		-	attspec	irefnode	"attribute specification"	"attribute spec"	"79002"	node list	"name ssep gendelm literal attvalue"		att asgn							
72		-	attvalsp	irefnode	"attribute value specification"	"attribute value spec"	"79301"	node	"attvalue literal"		att asgn							
73		-	intrplch		"interpretation on replaced character"	"interp replaced char"	"a1704"	char			data char							
74		-	name cref	subnode optional	"named character reference"	"named char ref"	"95001"	node list	"gendelm name refendre"		data char							
75		-	numcref	subnode optional	"numeric character reference"	"numeric char ref"	"95001"	node list	"gendelm name crefnum refendre"		data char							
76		-	markup	subnode optional	-	-	"94401"	node list	"gendelm name ssep entstart entend refendre shortref"		sdata							
77		ssep	-	-	"s separator"	"s sep"	"62100"											+
78			char	-	character	-	"92003"	char										

Table D.1 (continued)

Table D.1 (*continued*)

Element No.	ps module	element classdef	element profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
79			name cref	subnode optional	"named character reference"	"named char ref"	"95001"	node list	"gendelm name refendre"									
80		comment	-	-	-	-	"a3002"	-										
81			open	subnode optional	"open delimiter"	"open delim"	"a3002"	node	gendelm									
82			chars		characters	-	"92101"	string										
83			close	subnode optional	"close delimiter"	"close delim"	"a3002"	node	gendelm									
84		comdcl	-	-	"comment declaration"	"comment decl"	"a3001"	-	"comment ssep"			markup						+
85			markup	subnode	-	-	"a3001"	node list										
86		ignmrkup	-	-	-	"ignored markup"	"77002 94405 c3007"	-				markup						
87			markup	subnode	-	-	"74001 75001 94401 c3001"	node list	"gendelm name ssep attvalue literal entstart entend refendre"									
88		entstart	-	-	-	"entity start"	-	-				markup						

ISO/IEC 10179:1996/Amd.1:2003(E)

© ISO/IEC 2003 – All rights reserved

19

Table D.1 (*continued*)

Element No.	ps module	classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
89			markup	subnode optional	-	-	-	node list	"gendelm name ssep entstart entend refendre shortref"									
90			entname	optional	-	"entity name"		string		name				entity				
91			entity	irefnode	-	-	"a5201"	node	entity									
92		entend	-	-	-	"entity end"	"94500"	-										
93		msignch	-	-	"marked section ignored character"	"marked section ignored char"	"a4204"	-										
94			char	-	character	-	"92101"	char										
95		intignch	-	-	"interpretation ignored char"	"interp ignored char"	"79303 a1704"	-										
96			name cref	subnode optional	"named character reference"	"named char ref"	"95001"	node list	"gendelm name refendre"									
97			char	-	character	-	"92101"	char										
98		gendelm	-	-	"general delimiter"	"general delim"	"FIG30"	-										
99			name cref	subnode optional	"named character reference"	"named char ref"	"95001"	node list	"gendelm name refendre"									

Table D.1 (*continued*)

Element No.	ps module	element: classdef	element: profdef	Node related specification	fullnm	appnm	clause	data type	attribute: ac	attribute: strlex	attribute: cn	attribute: conprop	attribute: dsepprop	attribute: strmnorm	attribute: sd	attribute: dependon	attribute: acnmprop	attribute: mayadd
100			role	-	-		"96001 FIG30"	string						rcsgener				
101			origdelm	optional	"original delimiter"	"original delim"	"92102 FIG22"	string										
102		name	-	-	-	-	"93001"	-										
103			orig name	-	-	"original name"	"93005"	string										
104		rname	-	-	-	"reserved name"	"d4701"	-										
105			refname	-	"reference name"	"ref name"	"93005"	string						rcsgener				
106			orig name	optional	-	"original name"	"93005"	string										
107		literal	-	-	-	-	"a1201 79302 a1701 a1603"	-				value						
108			open	subnode optional	"open delimiter"	"open delim"	"96100 FIG30"	node	gendelm									
109			value	subnode	-	-	"a1202 91001 a1702 80002"	node list	"entstart entend datachar sdata intignch"									
110			close	subnode optional	"close delimiter"	"close delim"	"96100 FIG30"	node	gendelm									
111		number	-	-	-	-	"93002"	-										
112			digits	-	-		"93002"	string		number								

Table D.1 (*continued*)

Element No.	ps module	element — classdef	profdef	Node related specification	fullnm	appnm	clause	attribute — data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
113		crefcnum	-	-	"character reference character number"	"char ref char number"	"95001"	-										
114			ndigits	optional	"number of digits"	"ndigits"	"95003 93002"	integer										
115		refendre	-	-	"reference end RE"	"ref end re"	"94502"	-										
116		attvalue	value	-	-	"attribute value"	"79400"	-										
117				-	-		"93005"	string										
118		nmtoken	-	-	-	"name token"	"93003"	-										
119			orig name	-	-	"original name token"	"93005"	string										
120		msstart	-	-	"marked section declaration start"	"marked section start"	"a4002"	-				markup						
121			markup	subnode optional	-	-	"a4002"	node list	"gendelm rname ssep entstart entend comment ignmrkup"									
122			status	-	-	-	"a4201"	enum										
123		msend	-	-	-	"marked section end"	"a4003"	-				markup						

Table D.1 (*continued*)

	element					attribute												
Element No.	ps module	classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
124			markup	subnode optional	-	-	"FIG3e FIG3h"	node list	gendelm									
125	sdclabs	-	-	-	"sgml declaration abstract"	-	-	-								baseabs		
126		-	sgmlver	-	-	"sgml version"	"d0002"	string		min data	sgml doc							
127		-	doc chset	subnode	"document character set"	"document char set"	"d1001"	node	charset		sgml doc							
128		-	capset	subnode		"capacity set"	"d2001"	node	capset		sgml doc							
129		-	syn scope		"concrete syntax scope"	"syntax scope"	"d3002"	enum			sgml doc							
130		-	dclsyn	subnode	"declared concrete syntax"	"decl syntax"	"d4001"	node	syntax		sgml doc							
131		-	refsyn	subnode	"reference concrete syntax"	"ref syntax"	"d4002 e0001 FIG70"	node	syntax		sgml doc							
132		-	prosyn	irefnode	"prolog concrete syntax"	"prolog syntax"	"d4001"	node	syntax		sgml doc							
133		-	features	subnode	"feature use"	-	"d5001"	node	features		sgml doc							
134		charset	-	-	"character set"	"char set"	"d1000"	-				chdescs						
135			chdescs	subnode	"character descriptions"	"char descs"	"d1101"	node list	chardesc									

Table D.1 (*continued*)

Element No.	ps module	classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acmprop	mayadd
136		chardesc	-	-	"character description"	"char desc"	"d1122"	-										
137			desc num	-	"described set character number"	"desc set number"	"d1123"	integer										
138			nchars	-	"number of characters"	"n chars"	"d1125"	integer										
139			base num	-	"base set character number"	"base set number"	"d1124"	integer										
140			baseset	-	"base character set"	"base char set"	"d1111"	string		min data								
141			desclit	-	"description literal"	"desc literal"	"a1701"	string		min data								
142		syntax	-	-	"concrete syntax"		"d4000"	-										
143			shunctrl	-	-	"shunchar controls"	"d4204"	boolean										
144			shun char	-	"shunned character numbers"	-	"d4201"	intlist										
145			syn chset	subnode	"syntax-reference character set"	"syntax ref char set"	"d4301"	node	charset									
146			re	-	"record end"	-	"d4401"	char										
147			rs	-	"record start"	-	"d4401"	char										

Table D.1 (*continued*)

Element No.	ps module	classdef	profdef	Node related specifi-cation	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
148			space	-	-	-	"d4401"	char										
149			addfuns	subnode	"added function characters"	"added function chars"	"d4401"	nmnd list	addfun								name	
150			lcnmstrt	-	-	-	"d4503"	string										
151			ucnmstrt	-	-	-	"d4504"	string										
152			lcnm char	-	-	-	"d4505"	string										
153			ucnm char	-	-	-	"d4506"	string										
154			subst gen	-	"substitute general names"	"subst general names"	"d4507"	boolean										
155			substent	-	"substitute entity names"	"subst entity names"	"d4507"	boolean										
156			gdasns	subnode	"general delimiter role associations"	"general delim assocs"	"d4611"	nmnd list	dlmrlas								role	
157			srdelms	-	"short reference delimiters"	"shortref delims"	"d4621"	strlist										
158			slitasns	subnode	"syntax literal associations"	"syntax literal assocs"	"d4701"	nmnd list	synlitas								resname	
159			attcnt	-	-	-	"FIG41"	integer										

Table D.1 (*continued*)

Element No.	ps module	element classdef	element profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
160			attsplen	-	-	-	"FIG42"	integer										
161			bseqlen	-	-	-	"FIG43"	integer										
162			dtaglen	-	-	-	"FIG44"	integer										
163			dtemplen	-	-	-	"FIG45"	integer										
164			entlvl	-	-	-	"FIG46"	integer										
165			grpcnt	-	-	-	"FIG47"	integer										
166			grpgtcnt	-	-	-	"FIG48"	integer										
167			grplvl	-	-	-	"FIG49"	integer										
168			litlen	-	-	-	"FIG4a"	integer										
169			namelen	-	-	-	"FIG4b"	integer										
170			normsep	-	-	-	"FIG4c"	integer										
171			pilen	-	-	-	"FIG4d"	integer										
172			taglen	-	-	-	"FIG4e"	integer										
173			taglvl	-	"added function character"	"added function char"	"FIG4f"	integer										
174		addfun	-	-			"d4400"	-										

Table D.1 (*continued*)

Element No.	element — ps module	element — classdef	element — profdef	element — Node related specification	element — fullnm	element — appnm	element — clause	attribute — data type	attribute — ac	attribute — strlex	attribute — cn	attribute — conprop	attribute — dsepprop	attribute — strmnorm	attribute — sd	attribute — dependon	attribute — acnmprop	attribute — mayadd
175			name	-	-	-	"d4402"	string		name				general				
176			class	-	"function class"	-	"d4403"	enum										
177			char	-	character	-	"95003"	char										
178		dlmrlas	-	-	"delimiter role association"	"delim role assoc"	"d4610"	-										
179			role	-	-	-	"d4612"	string						rcsgener				
180			delm	-	delimiter	delim	"d4611"	string						general				
181		synlitas	-	-	"syntactic literal association"	"syntactic literal assoc"	"d4700"	-										
182			synlit	-	-	"syntactic literal"	"d4702"	string						rcsgener				
183			resname	-	-	"reserved name"	"d4702"	string		name				general				
184		capset	-	-	-	"capacity set"	"d2000"	-										
185			totalcap	-	-	-	"FIG51"	integer										
186			entcap	-	-	-	"FIG52"	integer										
187			entchcap	-	-	-	"FIG53"	integer										
188			elemcap	-	-	-	"FIG54"	integer										

Table D.1 (*continued*)

Element No.	element							attribute										
	ps module	classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
189			grpcap	-	-	-	"FIG55"	integer										
190			exgrpcap	-	-	-	"FIG56"	integer										
191			exnmcap	-	-	-	"FIG57"	integer										
192			attcap	-	-	-	"FIG58"	integer										
193			attchcap	-	-	-	"FIG59"	integer										
194			avgrpcap	-	-	-	"FIG5a"	integer										
195			notcap	-	-	-	"FIG5b"	integer										
196			notchcap	-	-	-	"FIG5c"	integer										
197			idcap	-	-	-	"FIG5d"	integer										
198			idrefcap	-	-	-	"FIG5e"	integer										
199			mapcap	-	-	-	"FIG5f"	integer										
200			lksetcap	-	-	-	"FIG5g"	integer										
201			lknmcap	-	-	-	"FIG5h"	integer										
202		features	-	-	"feature use"	-	"d5000"	-										
203			-	-	"feature use"	-	"d5000"	-										

Table D.1 (*continued*)

Element No.	ps module	element classdef	profdef	Node related specification	fullnm	appnm	clause	data type	attribute ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
204			omittag	-	-	-	"d5101"	boolean										
205			rank	-	-	-	"d5101"	boolean										
206			shorttag	-	-	-	"d5101"	boolean										
207			simple	-	-	-	"d5201"	integer										
208			implicit	-	-	-	"d5201"	boolean										
209			explicit	-	-	-	"d5201"	integer										
210			concur	-	-	-	"d5301"	integer										
211			subdoc	-	-	-	"d5301"	integer										
212			formal	-	-	-	"d5301"	boolean										
213	sdclsds	-	-	-	"SGML declaration SGML document string"	-	-	-								basesds1		
214		-	sgmldcl	subnode optional	"SGML declaration"	"sgml decl"	"d0001"	node	sgmldcl		sgml doc							
215		-	sdcltype	-	"SGML declaration type"	"sgml decl type"	"62300"	enum			sgml doc							
216		sgmldcl	-	-	"SGML declaration"	"sgml decl"	"d0000"	-				markup						

Table D.1 (*continued*)

Element No.	ps module	element classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	attribute cn	conprop	dsepprop	strmnorm	sd	dependon	acmprop	mayadd
217			markup	subnode	-	-	"d0001"	node list	"ssep comment name number name literal gendelm"									
218	prlgabs1	-		-	"prolog abstract level 1"	-		-								prlgabs0		
219		-	attdefs	subnode	"attribute definitions"	"attribute defs"	"b3002"	nmnd list	attdef		nota tion						name	
220		-	attdef	irefnode	"attribute definition"	"attribute def"	"b3003"	node	attdef		att asgn							
221		-	elem type	irefnode	-	"element type"	"b2101"	node	elemtype		element							
222		-	dfltent	subnode	-	"default entity"	"a5105"	node	dfltent		doc type							
223		-	elemtps	subnode	-	"element types"	"b2101"	nmnd list	"elemtype rankstem"		doc type						"gi stem"	
224		-	par ments	subnode	-	"para meter entities"	"b1004"	nmnd list	entity		doc type						name	
225		elemtype	-	-	"element type definition"	"element type"	"b2000"	-						general				
226			gi	-	"generic identifier"	-	"78002"	string		name								
227			omitstrt	-	-	"omit start tag"	"b2202"	boolean										
228			omitend	-	-	"omit end tag"	"b2203"	boolean										

Table D.1 (*continued*)

Element No.	ps module	classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
229			contype	-	-	"content type"	"b2300"	enum										
230			modelgrp	subnode	-	"model group"	"b2402"	node	modelgrp									
231			excls	-	-	exclusions	"b2521"	strlist										
232			incls	-	-	inclusions	"b2511"	strlist										
233			attdefs	subnode	"attribute definitions"	"attribute defs"	"b3003"	nmndlist	"attdef"								name	
234		modelgrp	-	-	-	"model group"	"b2402"	node				tokens						
235			connect	-	-	connector	"b2410"	enum										
236			occur	-	"occurrence indicator"	"occur indicator"	"b2420"	enum										
237			tokens	subnode	-	"content tokens"	"b2403"	node list	"modelgrp pcdatatk elemtk"									
238		pcdatatk	-	-	-	"pcdata token"	"b2404"	-										
239		elemtk	-	-	-	"element token"	"b2405"	-										
240			gi	-	"generic identifier"	-	"b2405"	string		name				general				
241			occur	-	"occurrence indicator"	"occur indicator"	"b2405"	enum										
242		attdef	-	-	"attribute definition"	"attribute def"	"b3003"	-				dftval						
243			name	-	-	-	"b3201"	string		name				general				

Table D.1 (*continued*)

Element No.	ps module	classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
244			dcltype	-	"declared value prescription type"	"decl value type"	"b3301"	enum										
245			tokens	-	-		"b3301"	strlist										
246			dflttype	-	-	"default value type"	"b3401"	enum										
247			dfltval	subnode	-	"default value"	"b3409"	node list	"att valtkdata chars data intignch entstart entend"									
248			curgrp	irefnode	-	"current group"	"b3001"	node list	attdef									
249			curattix	-	-	"current attribute index"	"b3001"	integer										
250		dfltent	-	-	-	"default entity"		-										
251			enttype	-	-	"entity type"	"a5502"	enum										
252			text	-	"replacement text"	-	"92101"	string										
253			extid	subnode	"external identifier"	"external id"	"a1601"	node	extid									
254			atts	subnode	-	attributes	"b4120"	nmnd list	attasgn									
255			notname	-	-	"notation name"	"79408"	string		name				general			name	

Table D.1 (*continued*)

Element No.	ps module	element: classdef	element: profdef	Node related specification	fullnm	appnm	clause	attribute: data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
256			notation	irefnode	-		"b4001"	node	notation									
257	prlgsds	-	-	-	"prolog SGML document string"	-		-								basesds1		
258		-	entdcl	irefnode	"entity declaration"	"entity decl"	"a5001"	node	entdcl		dflttent							
259		-	notdcl	irefnode	"notation declaration"	"notation decl"	"b4001"	node	notdcl		nota tion							
260		-	attdldcl	irefnode	"attribute definition list declaration"	"attribute def list decl"	"b4111"	node	attdldcl		nota tion							
261		-	eltpdcl	irefnode	"element type declaration"	"element type decl"	"b2001"	node	eltpdcl		elem type							
262		-	attdldcl	irefnode	"attribute definition list declaration"	"attribute def list decl"	"b3001"	node	attdldcl		elem type							
263		-	doctpdcl	irefnode	"document type declaration"	-	"b1001"	node	doctpdcl		doc type							
264		-	attvalsp	irefnode	"attribute value specification"	"attribute value spec"	"79002"	node	"attvalue literal"		attdef							
265		doctpdcl	-	-	"document type declaration"	-	"b1000"	-										+

Table D.1 (*continued*)

Element No.	element ps module	element classdef	element profdef	element Node related specification	element fullnm	element appnm	clause	data type	attribute ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
266			markup	subnode	-	-	"b1001"	node list	"ssep comment name rname literal msstart msend msignch entstart entend comdcl pi eltpdcl entdcl notdcl attdldcl usemap srmapdcl"									
267			doctype	irefnode	-	"document type"	"b1008"	node	doctype									
268			entity	subnode	-		"b1008"	node	entity									
269		attdldcl	-	-	"attribute definition list declaration"	"attribute def list decl"	"b3000"	-										
270			markup	subnode	-	-	"b3001"	node list	"ssep comment entstart entend gendelm name nmtoken attvalue literal"									
271			asseltps	irefnode	"associated element types"	"assoc element types"	"b3001"	node list	elemtype									

Table D.1 (*continued*)

Element No.	ps module	classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
272			assnots	irefnode	"associated notations"	"assoc notations"	"b3001"	node list	notation									
273		eltpdcl	-	-	"element type declaration"	"element type decl"	"b2000"	-										+
274			markup	subnode	-	-	"b2001"	node list	"ssep comment entstart entend gendelm name number"									
275			elem type	irefnode	"element type"	"element type"	"b2101"	node	elemtype									
276		entdcl	-	-	"entity declaration"	"entity decl"	"a5000"	-										+
277			markup	subnode	-	-	"a5001"	node list	"entstart entend ssep comment gendelm name rname literal attvalue"									
278			entity	subnode	-	-	"a5201"	node	entity									
279		notdcl	-	-	"notation declaration"	"notation decl"	"b4000"	-										+

Table D.1 (*continued*)

Element No.	ps module	classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
280			markup	subnode	-	-	"b4001"	node list	"entstart entend ssep comment literal name rname"									
281			notation	irefnode	-	-	"b4001"	node	notation									
282	instsds0	-	-	-	"instance SGML document string level 0"	-	-	-										
283		-	included	derived	-	-	-	boolean			element							
284		-	momit end	derived	-	"must omit end tag"	"b2209"	boolean			element							
285	instsds1	-	-	-	"instance SGML document string level 1"	-	-	-										
286		-	starttag	subnode optional	-	"start tag"	"74001"	node list	"gendelm name ssep entstart entend literal attvalue"		element					"instsds0 basesds1"		

Table D.1 (*continued*)

Element No.	element ps module	classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
287		-	endtag	subnode optional	-	"end tag"	"75001"	node list	"gendelm name ssep entstart entend ignmrkup"		element							
288		-	movedre		-	"moved re"	"7610a"	boolean			data char							
289		-	repos	irefnode	-	"re position"	"7610a"	node	repos		data char							
290		-	markup	subnode optional	-	-	"94401 94402"	node list	"gendelm name ssep entstart entend refendre shortref"		ext data							
291		ignrs	-	-	-	"ignored rs"	"76101"	-										
292			name cref	subnode optional	"named character reference"	"named char ref"	"95001"	node list	"gendelm name"									
293		ignre	-	-	-	"ignored re"	"76100"	-										
294			name cref	subnode optional	"named character reference"	"named char ref"	"95001"	node list	"gendelm name refendre"									
295		repos	-	-	-	"re position"	"7610a"	-										
296			re	irefnode	-	"record end"	"7610a"	node	datachar									
297	dtgabs	-	-	-	"datatag abstract"	-	-	-								baseabs		

Table D.1 (*continued*)

Element No.	ps module	classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
											element							
298		-	datatag	derived		-	"73201"	boolean										
299		-	dtg temps	-	-	"data tag templates"	"b2444"	strlist			elem type							
300		-	dtgp temp	-	-	"data tag padding template"	"b2445"	string			elem type							
301	rankabs	-	-	-	"rank abstract"	-	-	-								prlgabs1		
302		-	ranksuff	derived	-	"rank suffix"	"b2114"	string			elem type							
303		-	rank stem	-	-	"rank stem"	"b2113"	string			elem type							
304		-	rankgrp	-	-	"rank group"	"b2112"	strlist			elem type							
305		rankstem	-	-	-	"rank stem"	"b2113"	-										
306			stem	-	-	-	"b2113"	string		name				general				
307			elemtps	irefnode	-	"element types"	"b2112"	node list	elemtype									
308	srabs	-	-	-	"shortref abstract"	-	-	-								prlgabs0		
309		-	-	-	"shortref abstract"	-	-	-								prlgabs0		

Table D.1 (*continued*)

Element No.	ps module	classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
310		-	srmaps	subnode	"short reference maps"	"short ref maps"	"b1006"	nmnd list	srmap		doc type						name	
311		-	srmap nm	-	"short reference map name"	"short ref map name"	"b6004"	string		rni name	elem type			general				
312		-	srmap	irefnode	"short reference map"	"short ref map"	"b6101"	node	srmap		elem type							
313		srmap	-	-	"short reference map"	"short ref map"	"b5000"	-										
314			name	-	-	-	"b5002"	string		name				general				
315			map	subnode	-	-	"b5004"	nmnd list	srassoc									
316		srassoc	-	-	"short reference association"	"short ref assoc"	"b5004"	-										
317			shortref	-	"short reference delimiter"	"short ref"	"b5004"	string						general			shortref	
318			entname	-	-	"entity name"	"b5004"	string		name				entity				
319			entity	irefnode	-	-	"b5001"	node	entity									

Table D.1 (*continued*)

Element No.	ps module	element								attribute									
		classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd	
320	srsds	-	-	-	"shortref SGML document string"	-	-	-								basesds1			
321		usemap	-	-	"short reference use declaration"	"short ref use decl"	"b6000"	-											
322			markup	subnode	-	-	"b6001"	node list	"entstart entend ssep comment gendelm name name ignmrkup"			markup							
323			asseltps	irefnode	"associated element types"	"assoc element types"	"a1501"	node list	elemtype										
324			srmap	irefnode	-	-	"b6002"	node	srmap										
325		shortref	-	-	"short reference delimiter"	"short ref"	"e4620"	-											
326			origdelm		"original delimiter"	"original delim"	"96601"	string											
327			name c ref	subnode optional	"named character reference"	"named char ref"	"95001"	node list	"gendelm name refendre"										
328		srmapdcl	-	-	"short reference mapping declaration"	"short ref map decl"	"b5000"	-										+

Table D.1 (*continued*)

Element No.	ps module	classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
329			markup	subnode	-	-	"b5001"	node list	"entstart entend ssep comment gendelm name rname literal"									
330			map	irefnode	-	-	"b5001"	node	srmap									
331	linkabs	-	-	-	"link abstract"	-	-	-								prlgabs0		
332		-	empty lks	subnode	-	"empty link set"	"c3004"	node	linkset		sgml csts							
333		-	simplelk	subnode optional	"simple link information"	"simple link info"	"c1431"	nmnd list	simplelk		element						linktype	
334		-	linkatts	irefnode	-	"link attributes"	"c1402"	nmnd list	attasgn		element						name	
335		-	rsltgi	derived	"result element generic identifier"	"result gi"	"c2202"	string		name	element			general				
336		-	rsltelem	irefnode	-	"result element type"	"c2202"	node	elemtype		element							
337		-	rsltatts	irefnode	-	"result attributes"	"c2203"	nmnd list	attasgn		element						name	
338		-	lksetinf	irefnode	"link set information"	"link set info"	"c2205"	node list	linkrule		element							
339		simplelk	-	-	"simple link information"	"simple link info"	"c1430"	-										

41

Table D.1 (*continued*)

Element No.	ps module	classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
340			linktype	-	-	"link type"	"c1001"	string		name				general				
341			atts	subnode	-	attributes	"c1402"	nmnd list	attasgn								name	
342		linktype	-	-	-	"linktype"	-	-										
343			name	-	-	-	"c1002"	string		name				general				
344			active	-	-	-	-	boolean										
345			ltkind	-	"kind of link type"	"link type kind"	"c1001"	enum										
346			srcname	-	-	"source document type name"	"c1302"	string		name				general				
347			source	irefnode	-	"source document type"	"c1305 c1306"	node	doctype									
348			rsltname	-	-	"result document type name"	"c1303"	string		name				general				
349			result	irefnode	-	"result document type"	"c1306"	node	doctype									
350			inilkset	subnode	-	"initial link set"	"c2004"	node	linkset									
351			idlkset	subnode	-	"id link set"	"c2300"	node	linkset									
352			linksets	subnode	-	"link sets"	"c1401"	nmnd list	linkset								name	

Table D.1 (*continued*)

Element No.	element			Node related specification	fullnm	appnm	clause	data type	attribute									
	ps module	classdef	profdef						ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
353		linkset	-	-	-	"link set"	"c2000"	-				lkrules						
354			name	-	-	-	"c2003"	string		name				general				
355			lkrules	subnode	-	"link rules"	"c2002"	node list	linkrule									
356		linkrule	-	-	-	"link rule"	"c2002"											
357			assgis	-	"associated generic identifiers"	"assoc gis"	"c2101"	strlist		name								
358			asseltps	irefnode	"associated element types"	"assoc element types"	"c2101"	node list	elemtype									
359			id	-	"unique identifier"	-	"c2301"	string		name				general				
360			uselink	irefnode	-	-	"c2104"	node	linkset									
361			uselknm	-	-	"uselink name"	"c2104"	string		rni name				general				
362			postlkrs	derived	-	"postlink restore"	"c2101"	boolean										
363			postlkst	irefnode	-	"postlink set"	"c2101"	node	linkset									
364			post lknm	-	-	-	"c2101"	string		rni name				general				
365			linkatts	subnode	-	"link attributes"	"c2102"	nmnd list	attasgn								name	

Table D.1 (*continued*)

Element No.	ps module	element classdef	element profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
366			rsltgi	-	"result element generic identifier"	"result gi"	"c2202"	string		name				general				
367			rsltelem	irefnode	-	"result element type"	"c2202"	node	elemtype									
368			rsltatts	subnode	-	"result attributes"	"c2203"	nmnd list	attasgn									
369	linksds	-	-	-	"link SGML document string"	-	-									basesds1	name	
370		-	lksetdcl	irefnode	"link set declaration"	"link set decl"	"c2001"	node	"lksetdcl idlkdcl"		link set							
371		-	lktpdcl	irefnode	"link type declaration"	"link type decl"	"c1001"	node	lktpdcl		link type							
372		lktpdcl	-	-	"link type declaration"	"link type decl"	"c1000"	-										+
373			markup	subnode	-	-	"c1001"	node list	"ssep comment name rname literal msstart msignch msend entstart entend pi comdcl entdcl attdldcl lksetdcl idlkdcl"									

Table D.1 (*continued*)

Element No.	ps module	element classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
374			linktype	irefnode	-	"link type"	-	node	linktype									
375			entity	subnode	-	-	"c1004"	node	entity									
376		lksetdcl	-	-	"link set declaration"	"link set decl"	"c2000"	-										+
377			markup	subnode	-	-	"c2001"	node list	"entstart entend ssep comment gendelm name rname literal attvalue"									
378			linkset	irefnode	-	"link set"	"c2001"	node	linkset									
379		idlkdcl	-	-	"ID link set declaration"	"id link set decl"	"c2300"	-										+
380			markup	subnode	-	-	"c2301"	node list	"entstart entend ssep comment gendelm name rname literal attvalue"									
381			linkset	irefnode	-	"link set"	"c2301"	node	linkset									
382		uselink	-	-	"link set use declaration"	"link set use decl"	"c3000"	-				markup						

Table D.1 (*continued*)

Element No.	ps module	classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
383			markup	subnode	-	-	"c3001"	node list	"entstart entend ssep comment gendelm name rname ignmrkup"									
384			restore	derived	-	-	"c3002"	boolean										
385			linkset	irefnode	-	-	"c3002"	node	linkset									
386			lksetnm	-	-	-	"c3002"	string		rni name				general				
387			linktpnm	-	-	"link type name"	"c3001"	string		name				general				
388			linktype	irefnode	-	"link type"	"c3001"	node	linktype									
389	subdcabs	-	-	-	"subdoc abstract"			-								baseabs		
390		subdoc	-	-	"reference to subdocument"	subdocument		-										
391			entname	-	-	"entity name"	"a5101"	string		name				entity				
392			entity	irefnode	-	-	"c5501"	node	entity									
393	subdcsds	-	-	-	"subdoc SGML document string"	-	-	-								basesds1 subdcabs		

Table D.1 (*continued*)

Element No.	ps module	classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
394	fpiabs	-	markup	subnode optional	-	-	"94401"	node list	"gendelm name ssep entstart entend refendre shortref"									
395		-	-	-	"formal public identifier abstract"	-	-									baseabs		
396		-	fpi	subnode optional	"formal public identifier"	"formal public id"	"a2001"	node	fpi		extid							
397		fpi	-	-	"formal public identifier"	"formal public id"	"a2000"	-										
398			ownertp	-	-	"owner type"	"a2100"	d										
399			ownerid	-	"owner identifier"	"owner id"	"a2100"	string		min data								
400			textclas	-	"public text class"	"text class"	"a2210"	enum										
401			unavail	-	-	unavailable	"a2202"	boolean										
402			textdesc	-	"public text description"	"text description"	"a2221"	string		min data								
403			textlang	-	"public text language"	"text language"	"a2231"	string										

Table D.1 (*continued*)

element						attribute												
Element No.	ps module	classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
404			textdseq	-	"public text designating sequence"	"text designating sequence"	"a2241"	string										
405			textdver	-	"public text display version"	"text display version"	"a2251"	string										

Annex E
(informative)

Flow object classes and characteristics

Annex E clarifies the relationship between flow object classes and characteristics. The Tables E.1 and E.2 show all the flow object classes and characteristics of DSSSL style specifications. For composition the flow object classes have display areas, inline areas, and attachment areas. The characteristics are inherited and/or non-inherited.

A flow object class is employed in the following areas:

— display area

— inline area

— display and inline areas

In Tables E.1 and E.2, the following abbreviations are used:

— e: exist

— i: inherited or inline

— n: not-inherited

— d: display

— c: technical corrigendum

— (empty cell): not exit

Table E.1 — Common characteristics of flow object classes

	display / inline	inherited / not-inherited	0100 sequence	0200 display-group	0300 simple-page-sequence	0400 page-sequence	0500 column-set-sequence	0600 paragraph	0700 paragraph-break	0800 line-field	0900 sideline	1000 anchor	1100 character	1200 leader	1300 embedded-text	1400 rule
display area			e	e	e	e	e	e				e				e
inline area										e		e	e	e	e	e
attachment area											e					
0001 keep-with-previous?:	d	n		e			e	e								c
0002 keep-with-next?:	d	n		e			e	e								c
0003 keep:	d	n		e			e	e								c
0004 may-violate-keep-before?:	d	n		e			e	e								c
0005 may-violate-keep-after?:	d	n		e			e	e								c
0006 break-before:	d	n		e			e	e								c
0007 break-after:	d	n		e			e	e								e
0008 space-after:	d	n		e			e	e								c
0009 space-before:	d	n		e			e	e								c
0010 position-preference:	d	n		e			e	e								e
0011 writing-mode:	d	i			e			e					e			c
0012 span:	d	i					e	e				e				c
0013 span-weak?:		i					e	e				e				e
0014 font-family-name:		i						e					e			
0015 font-weight:		i						e					e			

Table E.1 (*continued*)

		display / inline	inherited / not-inherited	0100 sequence	0200 display-group	0300 simple-page-sequence	0400 page-sequence	0500 column-set-sequence	0600 paragraph	0700 paragraph-break	0800 line-field	0900 sideline	1000 anchor	1100 character	1200 leader	1300 embedded-text	1400 rule
0016	font-posture:		i						e					e			
0017	font-structure:		i						e					e			
0018	font-proportionate-width:		i						e					e			
0019	font-name:		i						e					e			
0020	font-size:		i						e					e			
0021	language:		i						e					e		e	
0022	country:		i						e					e		e	
0023	start-indent:	d	i						e								c
0024	start-indent:	d	i						e								c
0025	inhibit-line-breaks?:	d	i								e		e	e	e	e	e
0026	break-before-priority:	i	n								e		e	e	e		c
0027	break-after-priority:	i	n								e		e	e	e		c
0028	color:		i									e		e			e
0029	layer:		i									e		e			e
0030	line-cap:		i														e
0031	line-dash:		i														e
0032	line-thickness:		i									e					e
0033	line-repeat:		i									e					e
0034	line-sep:		i									e					e

Table E.1 (*continued*)

		display / inline	inherited / not-inherited	0100 sequence	0200 display-group	0300 simple-page-sequence	0400 page-sequence	0500 column-set-sequence	0600 paragraph	0700 paragraph-break	0800 line-field	0900 sideline	1000 anchor	1100 character	1200 leader	1300 embedded-text	1400 rule
0035	length:		n												e		e
0036	display?:		n										e				
0037	position-point-shift:	d	n											e			c
0038	display-alignment:	i	i														
0039	position-point-x:	d	n														c
0040	position-point-y:	d	n														
0041	escapement-direction:	d	n														

		1500 external-graphic	1600 included-container-area	1700 score	1800 box	1900 side-by-side	2000 side-by-side-item	2100 glyph-annotation	2200 alignment-point	2300 aligned-column	2400 multi-line-inline-note	2500 emphasizing-mark	2600 math-sequence	2601 unmath	2602 subscript	2603 super-script	2604 script
	display area	e	e		e	e	e		e	e			e				
	inline area	e	e	e	e				e		e		e				
	attachment area																
0001	keep-with-previous?:	c	c		c	e				e							
0002	keep-with-next?:	c	c		c	e				e							
0003	keep:	c	c		c	e				e							
0004	may-violate-keep-before?:	c	c		c	e				e							

Table E.1 (*continued*)

	1500 external-graphic	1600 included-container-area	1700 score	1800 box	1900 side-by-side	2000 side-by-side-item	2100 glyph-annotation	2200 alignment-point	2300 aligned-column	2400 multi-line-inline-note	2500 emphasizing-mark	2600 math-sequence	2601 unmath	2602 subscript	2603 super-script	2604 script
0005 may-violate-keep-after?:	c	c		c	e				e							
0006 break-before:	e	e		e	e				e							
0007 break-after:	e	e		e	e				e							
0008 space-after:	c	c		c	e				e							
0009 space-before:	c	c		c	e				e							
0010 position-preference:	e	e		e	e				e							
0011 writing-mode:	c	c		e					e				e			
0012 span:	c	c		c												
0013 span-weak?:	e	e		e												
0014 font-family-name:			e										e			
0015 font-weight:			e										e			
0016 font-posture:			e										e			
0017 font-structure:			e										e			
0018 font-proportionate-width:			e										e			
0019 font-name:			e										e			
0020 font-size:			e													
0021 language:																
0022 country:																
0023 start-indent:	c	c		c		e			e							

Table E.1 (*continued*)

	1500 external-graphic	1600 included container-area	1700 score	1800 box	1900 side-by-side	2000 side-by-side-item	2100 glyph-annotation	2200 alignment-point	2300 aligned-column	2400 multi-line-inline-note	2500 emphasizi-ng-mark	2600 math-sequence	2601 unmath	2602 subscript	2603 super-script	2604 script
0024 start-indent:	c	c		c		e			e							
0025 inhibit-line-breaks?:	c	c	e	e			e			e	e					
0026 break-before-proprity:	c	c		e			e			e	e					
0027 break-after-proprity:	c	c		e			e			e	e					
0028 color:	e		e	e												
0029 layer:	e		e	e												
0030 line-cap:			e	e												
0031 line-dash:			e	e												
0032 line-thickness:			e	e												
0033 line-repeat:			e	e												
0034 line-sep:			e	e												
0035 length:																
0036 display?:	e	e		e												
0037 position-point-shift:																
0038 display-alignment:	c	c							e							
0039 position-point-x:	c	c														
0040 position-point-y:	c	c														
0041 escapement-direction:	c	c														

Table E.1 (*continued*)

		2605 mark	2606 fence	2607 fraction	2608 radical	2609 math-operator	2610 grid	2611 grid-cell	2700 table	2701 table-part	2702 table-column	2703 table-row	2704 table-cell	2705 table-border	2800 scroll	2801 multi-mode	2802 link	2803 marginalia
display area									e							e		
inline area																e		
attachment area																		e
keep-with-previous?:	0001								e	e								
keep-with-next?:	0002								e	e								
keep:	0003								e	e								
may-violate-keep-before?:	0004								e	e								
may-violate-keep-after?:	0005								e	e								
break-before:	0006								e									
break-after:	0007								e	e								
space-after:	0008								e	e								
space-before:	0009								e	e								
position-preference:	0010								e									
writing-mode:	0011								e						e			
span:	0012								e									
span-weak?:	0013								e									
font-family-name:	0014																	
font-weight:	0015																	
font-posture:	0016																	

ISO/IEC 10179:1996/Amd.1:2003(E)

Table E.1 (*continued*)

		2605 mark	2606 fence	2607 fraction	2608 radical	2609 math-operator	2610 grid	2611 grid-cell	2700 table	2701 table-part	2702 table-column	2703 table-row	2704 table-cell	2705 table-border	2800 scroll	2801 multi-mode	2802 link	2803 margin alia
0017	font-structure:																	
0018	font-proportionate-width:																	
0019	font-name:																	
0020	font-size:																	
0021	language:																	
0022	country:																	
0023	start-indent:								e		e							
0024	start-indent:								e		e							
0025	inhibit-line-breaks?:																	
0026	break-before-proprity:																	
0027	break-after-proprity:																	
0028	color:													e				
0029	layer:													e				
0030	line-cap:												e	e				
0031	line-dash:												e	e				
0032	line-thickness:												e	e				
0033	line-repeat:												e	e				
0034	line-sep:													e				
0035	length:																	
0036	display?:																	

Table E.1 (*continued*)

	2605 mark	2606 fence	2607 fraction	2608 radical	2609 math-operator	2610 grid	2611 grid-cell	2700 table	2701 table-part	2702 table-column	2703 table-row	2704 table-cell	2705 table-border	2800 scroll	2801 multi-mode	2802 link	2803 marginalia
0037 position-point-shift:																	
0038 display-alignment:								e		e							
0039 position-point-x:																	
0040 position-point-y:																	
0041 escapement-direction:																	

Table E.2 — Uncommon characteristics of flow object classes

	display / inline	inherited / not-inherited	0100 sequence	0200 display-group	0300 simple-page-sequence	0400 page-sequence	0500 column-set-sequence	0600 para-graph	0700 para-graph-break	0800 line-field	0900 sideline	1000 anchor	1100 character	1200 leader	1300 embedded-text	1400 rule
display area				e	e	e	e	e				e				e
inline area										e		e	e	e	e	e
attachment area											e					
0042 coalesce-id:		n														
0043 page-width:		i			e											
0044 page-height:		i			e											
0045 left-margin:		i			e											
0046 right-margin:		i			e											
0047 top-margin:		i			e											
0048 bottom-margin:		i			e											
0049 header-margin:		i			e											
0050 footer-margin:		i			e											
0051 left-header:		n			e											
0052 center-header:		n			e											
0053 right-header:		n			e											
0054 left-footer:		n			e											
0055 center-footer:		n			e											
0056 right-footer:		n			e											
0057 initial-page-models:		i				e										
0058 repeat-page-models:		i				e										
0059 force-last-page:		i				e										

Table E.2 (*continued*)

	display / inline	inherited / not-inherited	0100 sequence	0200 display-group	0300 simple-page-sequence	0400 page-sequence	0500 column-set-sequence	0600 paragraph	0700 para-graph-break	0800 line-field	0900 sideline	1000 anchor	1100 character	1200 leader	1300 embedded-text	1400 rule
0060	force-first-page:	i				e										
0061	first-page-type:	i				e										
0062	blank-back-page-model:	i				e										
0063	blank-front-page-model:	i				e										
0064	justify-spread?:	i				e										
0065	page-category:	i				e										
0066	binding-edge:	i				e										
0067	column-set-model-map:	i				e										
0068	column-set-model:	i					e									
0069	lines:	i														
0070	asis-truncate-char:	i						e								
0071	asis-wrap-char:	i						e								
0072	asis-wrap-indent:	i						e								
0073	first-line-align:	i						e								
0074	alignment-point-offset:	i						e								
0075	ignore-record-end?:	i						e								
0076	expand-tabs?:	i						e								
0077	line-spacing:	i						e								
0078	line-spacing-priority:	i						e								
0079	min-pre-line-spacing:	i						e								

Table E.2 (*continued*)

	display / inline	inherited / not inherited	0100 sequence	0200 display-group	0300 simple-page-sequence	0400 page-sequence	0500 column-set-sequence	0600 para-graph	0700 para-graph-break	0800 line-field	0900 sideline	1000 anchor	1100 character	1200 leader	1300 embedded-text	1400 rule
0080	min-post-line-spacing:	i						e								
0081	min-leading:	i						e								
0082	first-line-start-indent:	i						e								
0083	last-line-end-indent:	i						e								
0084	hyphenation-char:	i						e								
0085	hyphenation-ladder-count:	i						e								
0086	hyphenation-remain-char-count:	i						e								
0087	hyphenation-push-char-count:	i						e								
0088	hyphenation-keep:	i						e								
0089	hyphenation-exceptions:	i						e								
0090	line-breaking-method:	i						e								
0091	line-composition-method:	i						e								
0092	implicit-bidi-method:	i						e								
0093	glyph-alignment-mode:	i						e								
0094	numbered-lines?:	i						e								
0095	line-number:	i						e								

Table E.2 (*continued*)

		display / inline	inherited / not-inherited	0100 sequence	0200 display-group	0300 simple-page-sequence	0400 page-sequence	0500 column-set-sequence	0600 para-graph	0700 para-graph-break	0800 line-field	0900 sideline	1000 anchor	1100 character	1200 leader	1300 embedded-text	1400 rule
0096	line-number-side:		i						e								
0097	line-number-sep:		i						e								
0098	quadding:		i						e								
0099	last-line-quadding:		i						e								
0100	last-line-justify-limit:		i						e								
0101	justify-glyph-space-max-add:		i						e								
0102	justify-glyph-space-max-remove:		i						e								
0103	hanging-punct?:		i						e								
0104	widow-count:		i						e								
0105	orphan-count:		i						e								
0106	field-width:		i								e						
0107	field-align:		i								e						
0108	sideline-side:		i									e					
0109	sideline-sep:		i									e					
0110	anchor-keep-with-previous:		i										e				
0111	char:		n											e			
0112	char-map:		i											e			
0113	glyph-id:		n											e			
0114	glyph-subst-table:		i											e			

61

Table E.2 (*continued*)

		display / inline	inherited / not inherited	0100 sequence	0200 display-group	0300 simple-page-sequence	0400 page-sequence	0500 column-set-sequence	0600 para-graph	0700 para-graph-break	0800 line-field	0900 sideline	1000 anchor	1100 character	1200 leader	1300 embedded-text	1400 rule
0115	glyph-subst-method:		i											e			
0116	glyph-reorder-method:		i											e			
0117	math-font-posture:		n											e			
0118	stretch-factor:		n											e			
0119	hyphenate?:		i											e			
0120	hyphenation-method:		i											e			
0121	kern?:		i											e			
0122	kern-mode:		i											e			
0123	ligature?:		i											e			
0124	allowed-ligatures:		i											e			
0125	space?:		n											e			
0126	inline-space-space:		i											e			
0127	escapement-space-before:		i											e			
0128	escapement-space-after:		i											e			
0129	record-end?:		n											e			
0130	input-tab?:		n											e			
0131	input-whitespace-treatment:		i											e			
0132	input-whitespace?:		n											e			

Table E.2 (*continued*)

	display / inline	inherited / not-inherited	0100 sequence	0200 display-group	0300 simple-page-sequence	0400 page-sequence	0500 column-set-sequence	0600 para-graph	0700 para-graph-break	0800 line-field	0900 sideline	1000 anchor	1100 character	1200 leader	1300 embedded-text	1400 rule
0133	punct?:	n											e			
0134	drop-after-line-break?:	n											e			
0135	drop-unless-before-line-break?:	n											e			
0136	math-class:	n											e			
0137	script:	n											e			
0138	truncate-leader?:	i												e		
0139	align-leader?:	i												e		
0140	min-leader-repeat:	i												e		
0141	direction:	n													e	
0142	orientation:	n														e
0143	max-width:	n														
0144	max-height:	n														
0145	entity-system-id:	n														
0146	notation-system-id:	n														
0147	scale:(external-graphic)	n														
0148	filling-direction:(included-container,…)	i														
0149	width:(included-container-area)	n														
0150	height:	n														
0151	contents-alignment:	i														

Table E.2 (*continued*)

		display / inline	inherited / not inherited	0100 sequence	0200 display-group	0300 simple-page-sequence	0400 page-sequence	0500 column-set-sequence	0600 para-graph	0700 para-graph-break	0800 line-field	0900 sideline	1000 anchor	1100 character	1200 leader	1300 embedded-text	1400 rule
0152	overflow-action:		i														
0153	contents-rotation:		n														
0154	scale:(included-container-area)		n														
0155	score-spaces?:		i														
0156	type:		i														
0157	box-type:		i														
0158	box-open-end?:		i														
0159	background-color:(box)		i														
0160	background-layer:(box)		i														
0161	box-corner-rounded:		i														
0162	box-corner-radius:		i														
0163	box-corner-alignment		i														
0164	box-size-before:	d	i														
0165	box-size-after:	d	i														
0166	line-miter-limit:(box)		i														
0167	line-join:(box)		i														
0168	side-by-side-overlap-control:		i														
0169	side-by-side-pre-align:		i														

Table E.2 (*continued*)

	display / inline	inherited / not-inherited	0100 sequence	0200 display-group	0300 simple-page-sequence	0400 page-sequence	0500 column-set-sequence	0600 para-graph	0700 para-graph-break	0800 line-field	0900 sideline	1000 anchor	1100 character	1200 leader	1300 embedded-text	1400 rule
0170	side-by-side-post-align:	i														
0171	annotation-glyph-placement:	i														
0172	annotation-glyph-style:	i														
0173	open:	n														
0174	close:	n														
0175	inline-note-line-count:	i														
0176	inline-note-style:	i														
0177	mark:	n														
0178	mark-distribution:	i														
0179	mark-style:	i														
0180	math-display-mode:	i														
0181	glyph-alignment-mode:	i														
0182	script-pre-align:	i														
0183	script-post-align:	i														
0184	script-mid-sup-align:	i														
0185	script-mid-sub-align:	i														
0186	fraction-bar:	n														
0187	numerator-align:	i														
0188	denominator-align:	i														
0189	radical:	n														

Table E.2 (*continued*)

	display / inline	inherited / not inherited	0100 sequence	0200 display-group	0300 simple-page-sequence	0400 page-sequence	0500 column-set-sequence	0600 para-graph	0700 para-graph-break	0800 line-field	0900 sideline	1000 anchor	1100 character	1200 leader	1300 embedded-text	1400 rule
0190	grid-position-cell-type:	i														
0191	grid-n-columns:	n														
0192	grid-n-rows:	n														
0193	grid-column-alignment:	i														
0194	grid-row-alignment:	i														
0195	grid-equidistant-rows?:	i														
0196	grid-equidistant-columns?:	i														
0197	column-number:(grid-cell)	n														
0198	row-number:	n														
0199	table-width:	n														
0200	table-auto-width-method:	i														
0201	table-border:	n														
0202	before-row-border:	n														
0203	after-row-border:	i														
0204	before-column-border:	i														
0205	after-column-border:	i														

Table E.2 (*continued*)

	display / inline	inherited / not-inherited	0100 sequence	0200 display-group	0300 simple-page-sequence	0400 page-sequence	0500 column-set-sequence	0600 para-graph	0700 para-graph-break	0800 line-field	0900 sideline	1000 anchor	1100 character	1200 leader	1300 embedded-text	1400 rule
0206	table-corner-rounded:	i														
0207	table-corner-radius:	i														
0208	table-part-omit-middle-header?:	i														
0209	table-part-omit-middle-footer?:	i														
0210	column-number:(t-column,t-cell)	n														
0211	n-columns-spanned:(t-column,t-cell)	n														
0212	width:(table-column)	n														
0213	n-rows-spanned:	n														
0214	cell-before-row-margin:	i														
0215	cell-after-row-margin:	i														
0216	cell-before-column-margin:	i														
0217	cell-after-column-margin:	i														
0218	cell-row-alignment:	i														
0219	cell-background?:	i														

Table E.2 (*continued*)

	display / inline	inherited / not-inherited	0100 sequence	0200 display-group	0300 simple-page-sequence	0400 page-sequence	0500 column-set-sequence	0600 para-graph	0700 para-graph-break	0800 line-field	0900 sideline	1000 anchor	1100 character	1200 leader	1300 embedded-text	1400 rule
0220	background-color:(table-cell)	i														
0221	background-layer:(table-cell)	i														
0222	cell-before-row-border:	i														
0223	cell-after-row-border:	i														
0224	cell-before-column-border:	i														
0225	cell-after-column-border:	i														
0226	starts-row?:	n														
0227	ends-row?:	n														
0228	cell-crossed:	i														
0229	float-out-sidelines?:	i														
0230	float-out-marginalia?:	i														
0231	float-out-line-numbers?:	i														
0232	border-priority:	i														
0233	border-alignment:	i														
0234	border-present?:	i														
0235	border-omit-at-break?:	i														
0236	line-miter-limit:(table-border)	i														

68

Table E.2 (*continued*)

	display / inline	inherited / not-inherited	0100 sequence	0200 display-group	0300 simple-page-sequence	0400 page-sequence	0500 column-set-sequence	0600 para-graph	0700 para-graph-break	0800 line-field	0900 sideline	1000 anchor	1100 character	1200 leader	1300 embedded-text	1400 rule
0237	line-join:(table-border)	i														
0238	background-color:(scroll)	i														
0239	background-layer:(scroll)	i														
0240	filling-direction:(scroll)	i														
0241	background-tile:	i														
0242	start-margin:	i														
0243	end-margin:	i														
0244	multi-mode:	n														
0245	principal-mode-simultaneous?:	i														
0246	destination:	i														
0247	marginalia-sep:	i														
0248	marginalia-side:	i														
0249	marginalia-keep-with-previous?:	i														

Table E.2 (*continued*)

		1500 external-graphic	1600 included-container-area	1700 score	1800 box	1900 side-by-side	2000 side-by-side-item	2100 glyph-annotation	2200 alignment-point	2300 aligned-column	2400 multi-line-inline-note	2500 empha-sizing-mark	2600 math-sequence	2601 unmath	2602 sub-script	2603 super-script	2604 script
	display area	e	e		e	e	e			e			e				
	inline area	e	e	e	e				e		e		e				
	attachment area																
0042	coalesce-id:																
0043	page-width:																
0044	page-height:																
0045	left-margin:																
0046	right-margin:																
0047	top-margin:																
0048	bottom-margin:																
0049	header-margin:																
0050	footer-margin:																
0051	left-header:																
0052	center-header:																
0053	right-header:																
0054	left-footer:																
0055	center-footer:																
0056	right-footer:																
0057	initial-page-models:																
0058	repeat-page-models:																
0059	force-last-page:																

Table E.2 (*continued*)

		1500 external-graphic	1600 included-container-area	1700 score	1800 box	1900 side-by-side	2000 side-by-side-item	2100 glyph-annotation	2200 alignment-point	2300 aligned-column	2400 multi-line-inline-note	2500 emphasizing-mark	2600 math-sequence	2601 unmath	2602 subscript	2603 super-script	2604 script
0060	force-first-page:																
0061	first-page-type:																
0062	blank-back-page-model:																
0063	blank-front-page-model:																
0064	justify-spread?:																
0065	page-category:																
0066	binding-edge:																
0067	column-set-model-map:																
0068	column-set-model:																
0069	lines:																
0070	asis-truncate-char:																
0071	asis-wrap-char:																
0072	asis-wrap-indent:																
0073	first-line-align:																
0074	alignment-point-offset:																
0075	ignore-record-end?:																
0076	expand-tabs?:																
0077	line-spacing:																
0078	line-spacing-priority:																
0079	min-pre-line-spacing:																

Table E.2 (*continued*)

		1500 external-graphic	1600 included-container-area	1700 score	1800 box	1900 side-by-side	2000 side-by-side-item	2100 glyph-annotation	2200 alignment-point	2300 aligned-column	2400 multi-line-inline-note	2500 empha-sizing-mark	2600 math-sequence	2601 unmath	2602 sub-script	2603 super-script	2604 script
0080	min-post-line-spacing:																
0081	min-leading:																
0082	first-line-start-indent:																
0083	last-line-end-indent:																
0084	hyphenation-char:																
0085	hyphenation-ladder-count:																
0086	hyphenation-remain-char-count:																
0087	hyphenation-push-char-count:																
0088	hyphenation-keep:																
0089	hyphenation-exceptions:																
0090	line-breaking-method:																
0091	line-composition-method:																
0092	implicit-bidi-method:																
0093	glyph-alignment-mode:																
0094	numbered-lines?:																
0095	line-number:																

Table E.2 (*continued*)

		1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2601	2602	2603	2604
		external-graphic	included-container-area	score	box	side-by-side	side-by-side-item	glyph-annotation	alignment-point	aligned-column	multi-line-inline-note	emphasizing-mark	math-sequence	unmath	sub-script	super-script	script
0096	line-number-side:																
0097	line-number-sep:																
0098	quadding:																
0099	last-line-quadding:																
0100	last-line-justify-limit:																
0101	justify-glyph-space-max-add:																
0102	justify-glyph-space-max-remove:																
0103	hanging-punct?:																
0104	widow-count:																
0105	orphan-count:																
0106	field-width:																
0107	field-align:																
0108	sideline-side:																
0109	sideline-sep:																
0110	anchor-keep-with-previous:																
0111	char:																
0112	char-map:																
0113	glyph-id:																
0114	glyph-subst-table:																
0115	glyph-subst-method:																

Table E.2 (*continued*)

	1500 external-graphic	1600 included-container-area	1700 score	1800 box	1900 side-by-side	2000 side-by-side-item	2100 glyph-annotation	2200 alignment-point	2300 aligned-column	2400 multi-line-inline-note	2500 empha-sizing-mark	2600 math-sequence	2601 unmath	2602 sub-script	2603 super-script	2604 script
0116 glyph-reorder-method:																
0117 math-font-posture:																
0118 stretch-factor:																
0119 hyphenate?:																
0120 hyphenation-method:																
0121 kern?:																
0122 kern-mode:																
0123 ligature?:																
0124 allowed-ligatures:																
0125 space?:																
0126 inline-space-space:																
0127 escapement-space-before:																
0128 escapement-space-after:																
0129 record-end?:																
0130 input-tab?:																
0131 input-whitespace-treatment:																
0132 input-whitespace?:																
0133 punct?:																
0134 drop-after-line-break?:																

Table E.2 (*continued*)

	1500 external-graphic	1600 included-container-area	1700 score	1800 box	1900 side-by-side	2000 side-by-side-item	2100 glyph-annotation	2200 alignment-point	2300 aligned-column	2400 multi-line-inline-note	2500 emphasizing-mark	2600 math-sequence	2601 unmath	2602 sub-script	2603 super-script	2604 script
0135 drop-unless-before-line-break?:																
0136 math-class:																
0137 script:																
0138 truncate-leader?:																
0139 align-leader?:																
0140 min-leader-repeat:																
0141 direction:																
0142 orientation:																
0143 max-width:	e															
0144 max-height:	e															
0145 entity-system-id:	e															
0146 notation-system-id:	e															
0147 scale:(external-graphic)	e															
0148 filling-direction:(included-container...)		e														
0149 width:(included-container-area)		e														
0150 height:		e														
0151 contents-alignment:		e														
0152 overflow-action:		e														
0153 contents-rotation:		e														

Table E.2 (*continued*)

		1500 external-graphic	1600 included-container-area	1700 score	1800 box	1900 side-by-side	2000 side-by-side-item	2100 glyph-annotation	2200 alignment-point	2300 aligned-column	2400 multi-line-inline-note	2500 empha-sizing-mark	2600 math-sequence	2601 unmath	2602 sub-script	2603 super-script	2604 script
0154	scale:(included-container-area)		e														
0155	score-spaces?:			e													
0156	type:			e													
0157	box-type:				e												
0158	box-open-end?:				e												
0159	background-color:(box)				e												
0160	background-layer:(box)				e												
0161	box-corner-rounded:				e												
0162	box-corner-radius:				e												
0163	box-corner-alignment				e												
0164	box-size-before:				c												
0165	box-size-after:				c												
0166	line-miter-limit:(box)				e												
0167	line-join:(box)				e												
0168	side-by-side-overlap-control:					e											
0169	side-by-side-pre-align:						e										
0170	side-by-side-post-align:						e										
0171	annotation-glyph-placement:							e									

76

Table E.2 (*continued*)

		1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2601	2602	2603	2604
		external-graphic	included-container-area	score	box	side-by-side	side-by-side-item	glyph-annotation	alignment-point	aligned-column	multi-line-inline-note	emphasizing-mark	math-sequence	unmath	sub-script	super-script	script
0172	annotation-glyph-style:							e									
0173	open:										e						
0174	close:										e						
0175	inline-note-line-count:										e						
0176	inline-note-style:										e						
0177	mark:											e					
0178	mark-distribution:											e					
0179	mark-style:											e					
0180	math-display-mode:												e				e
0181	glyph-alignment-mode:													e			
0182	script-pre-align:																e
0183	script-post-align:																e
0184	script-mid-sup-align:																e
0185	script-mid-sub-align:																e
0186	fraction-bar:																
0187	numerator-align:																
0188	denominator-align:																
0189	radical:																

Table E.2 (*continued*)

	1500 external-graphic	1600 included-container-area	1700 score	1800 box	1900 side-by-side	2000 side-by-side-item	2100 glyph-annotation	2200 alignment-point	2300 aligned-column	2400 multi-line-inline-note	2500 empha-sizing-mark	2600 math-sequence	2601 unmath	2602 sub-script	2603 super-script	2604 script
0190 grid-position-cell-type:																
0191 grid-n-columns:																
0192 grid-n-rows:																
0193 grid-column-alignment:																
0194 grid-row-alignment:																
0195 grid-equidistant-rows?:																
0196 grid-equidistant-columns?:																
0197 column-number:(grid-cell)																
0198 row-number:																
0199 table-width:																
0200 table-auto-width-method:																
0201 table-border:																
0202 before-row-border:																
0203 after-row-border:																
0204 before-column-border:																
0205 after-column-border:																
0206 table-corner-rounded:																
0207 table-corner-radius:																

Table E.2 (*continued*)

	1500 external-graphic	1600 included-container-area	1700 score	1800 box	1900 side-by-side	2000 side-by-side-item	2100 glyph-annotation	2200 alignment-point	2300 aligned-column	2400 multi-line-inline-note	2500 emphasizing-mark	2600 math-sequence	2601 unmath	2602 sub-script	2603 super-script	2604 script
0208 table-part-omit-middle-header?:																
0209 table-part-omit-middle-footer?:																
0210 column-number:(t-column,t-cell)																
0211 n-columns-spanned:(t-column,t-cell)																
0212 width:(table-column)																
0213 n-rows-spanned:																
0214 cell-before-row-margin:																
0215 cell-after-row-margin:																
0216 cell-before-column-margin:																
0217 cell-after-column-margin:																
0218 cell-row-alignment:																
0219 cell-background?:																
0220 background-color:(table-cell)																
0221 background-layer:(table-cell)																
0222 cell-before-row-border:																

Table E.2 (*continued*)

	1500 external-graphic	1600 included-container-area	1700 score	1800 box	1900 side-by-side	2000 side-by-side-item	2100 glyph-annotation	2200 alignment-point	2300 aligned-column	2400 multi-line-inline-note	2500 empha-sizing-mark	2600 math-sequence	2601 unmath	2602 sub-script	2603 super-script	2604 script
0223 cell-after-row-border:																
0224 cell-before-column-border:																
0225 cell-after-column-border:																
0226 starts-row?:																
0227 ends-row?:																
0228 cell-crossed:																
0229 float-out-sidelines?:																
0230 float-out-marginalia?:																
0231 float-out-line-numbers?:																
0232 border-priority:																
0233 border-alignment:																
0234 border-present?:																
0235 border-omit-at-break?:																
0236 line-miter-limit:(table-border)																
0237 line-join:(table-border)																
0238 background-color:(scroll)																
0239 background-layer:(scroll)																