
**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

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ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

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Foreword

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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.

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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.

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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 #.

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 #.

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*

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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

sosof: sosof-type

A flow object class of DSSSL generates a specification of sequence of flow object(sosof) 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-sosof (**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".

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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.

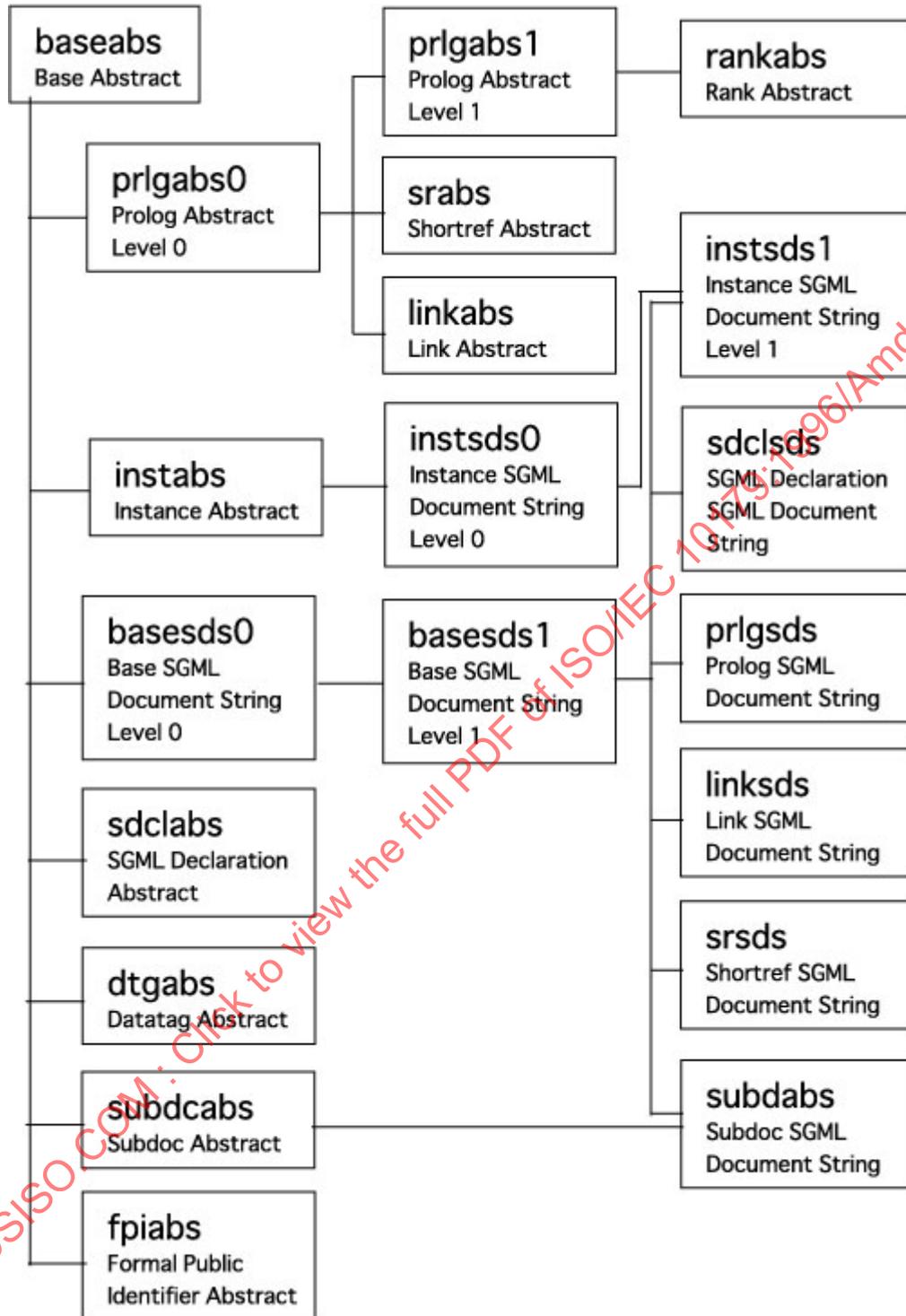


Figure D.1 — Relationship between modules of grove plan

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 (clasdef), and property definitions (propdef). Each of elements has some attributes.

Table D.1 — Contents of SGML property set

Element No.	element		attribute																
	ps module	classdef	prodef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd	
1	baseabs	-	-	-	base abstract	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2						"sgml document"	"62001"												
3			sgmlcsts	subnode	-	"sgml constants"	"41170 41180"	node	sgmlcsts										
4			appinfo	-	"application information"	"application info"	"66001"	string		min data									
5		sgml/doc	prolog	subnode	-	-	"71001"	odelist	"doctpdcl lkipdcl comdcl pi ssep"		sgml doc								
6			epilog	subnode	-	-	"71002"	odelist	"comdcl pi ssep"		sgml doc								
7		sgmlcsts	-	-	-	"sgml constants"	"b6004 c2101"	-											
8		attasgn	-	-	-	"attribute assignment"	"79002"	-				value	tokensep						
9			value	subnode	-	-	"79401"	odelist	"att valtk data chars data intgnch entstart entend"										
10			name	-	-	-	"93001"	string		name				general					
11			implied	-	-	-	"b3407"	boolean											

Table D.1 (continued)

Element No.	element			attribute														
	ps module	classdef	prodef	Node related specification	fullnm	appnm	clause	data type	ac	striex	cn	conprop	dsepprop	sfrmnorm	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	prfg abs()	-	-	-	"prolog abstract level 0"	-	-	-								baseabs		
23		-	govdt	irefnod	-	"governing doctype"	"71004"	node	doctype		sgml doc							

Table D.1 (continued)

Element No.	element			attribute														
	ps module	classdef	prodef	Node related specification	fullnm	appnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strnorm	sd	dependon	acnmprop	mayadd
24		-	dtts	subnode	"document types and link types"	"doctype 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			entype	-	-	"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								name	
36			notname	-	-	"notation name"	"79408"	string		name								
37			notation	irefnode	-	-	"b4001"	node	notation									

Table D.1 (continued)

Element No.	element			attribute														
	ps module	classdef	prodef	Node related specification	fullnm	apnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acmprop	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	irefnod	-	-	"73001"	nmnd list	element		sgml doc						id	
48		-	entities	irefnod	-	-	"94410"	nmnd list	entity		sgml doc						name	
49		-	entities	irefnod	-	-	"94410"	nmnd list	entity		sgml doc						name	
50		-	dfntents	subnode	-	-	"94412"	nmnd list	entity		sgml doc						name	
51		-	entity	irefnod	-	-	"79401"	node	entity		att valtk							

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	strnorm	sd	dependon	acnmprop	mayadd
52		-	referent	irefnod		-	"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				
56			atts	subnode		attributes	"79301"	nmnd list	attasgn								name	
57			content	subnode		-	"76001"	node list	"data chars data element extdata subdoc pi msignch ignrs ignre repos usemap uselink entstart entend ssep comdcl msstart msend ignmkup"									
58		extdata	-	-	"reference to external data"	"external data"	"a5500"	-										
59			entname	-	-	"entity name"	"a5101"	string		name								entity

Table D.1 (continued)

Element No.	element			attribute														
	ps module	classdef	profdef	Node related specification	fullnm	apnmm	clause	data type	ac	strflex	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		-	ditfed	-	-	defaulted	"94412"	boolean			entity							
67	basesds 1	-	-	-	"base SGML document string level 1"	-	-	-								basesds0		
68		-	entref	subnode optional	"entity reference"	"entity ref"	"94401"	node list			pi							
69		-	open	subnode optional	"open delimiter"	"open delim"	"80001"	node			pi							

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
70		-	close	subnode optional	"close delimiter"	"close delim"	"80001"	node	gendelm		pi							
71		-	attspec	irefnod	"attribute specification"	"attribute spec"	"79002"	node list	"name ssep gendelm literal attvalue"		att asgn							
72		-	attvalsp	irefnod	"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 refndre"		data char							
75		-	numcref	subnode optional	"numeric character reference"	"numeric char ref"	"95001"	node list	"gendelm name crefnum refndre"		data char							
76		-	markup	subnode optional	-	-	"94401"	node list	"gendelm name ssep entstart entend refndre shortref"		sdata							
77		ssep	-	-	"s separator"	"s sep"	"62100"											+
78			char	-	character	-	"92003"	char										

Table D.1 (continued)

Element No.	element			attribute															
	ps module	classdef	prodef	Node related specification	fullnm	apnm	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	-	"g2101"	string											
83			close	subnode optional	"close delimiter"	"close delim"	"a3002"	node	gendelm										
84		comdcl	-	-	"comment declaration"	"comment decl"	"a3001"	-				markup							+
85			markup	subnode	-	-	"a3001"	node list	"comment ssep"										
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							

Table D.1 (continued)

Element No.	element		attribute															
	ps module	classdef	profdef	Node Related specification	fullnm	apnrm	clause	data type	ac	strlex	cn	conprop	dsepprop	strnorm	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.	element			attribute															
	ps module	classdef	prodef	Node related specification	fulnm	apnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	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.	element			attribute															
	ps module	classdef	profdef	Node Related specification	fullnm	appnm	clause	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"	"n digits"	"95003 93002"	integer											
115		refendre	-	-	"reference end RE"	"ref end re"	"94502"	-											
116		attvalue	-	-	-	"attribute value"	"79400"	-											
117			value	-	-	-	"93005"	string											
118		nmtoken	-	-	-	"name token"	"93003"	-											
119			orig name	-	-	"original name token"	"93005"	string											
120		mstart	-	-	"marked section declaration start"	"marked section start"	"a4002"	-				markup							
121			markup	subnode optional	-	-	"a4002"	node list	"gendelm name ssep entstart entend comment igmmarkup"										
122			status	-	-	-	"a4201"	enum											
123		msend	-	-	-	"marked section end"	"a4003"	-				markup							

Table D.1 (continued)

Element No.	element			attribute															
	ps module	classdef	prodef	Node related specification	fullnm	apnm	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"	-	"d1001"	node	charset		sgml doc								
128		-	capset	subnode		-	"d2001"	node	capset		sgml doc								
129		-	syn scope		"concrete syntax scope"	-	"d3002"	enum			sgml doc								
130		-	dclsyn	subnode	"declared concrete syntax"	-	"d4001"	node	syntax		sgml doc								
131		-	refsyn	subnode	"reference concrete syntax"	-	"d4002 e0001 FIG70"	node	syntax		sgml doc								
132		-	prosyn	irefnode	"prolog concrete syntax"	-	"d4001"	node	syntax		sgml doc								
133		-	features	subnode	"feature use"	-	"d5001"	node	features		sgml doc								
134		charset	-	-	"character set"	-	"d1000"	-				chdescs							
135			chdescs	subnode	"character descriptions"	-	"d1101"	node list	chardesc										

Table D.1 (continued)

Element No.	element		attribute																
	ps module	classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strix	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	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				-	"concrete syntax"		"d4000"	-											
143			shunctrl	-	-	"shuncha r controls"	"d4204"	boolean											
144			shunchar	-	"shunned character numbers"	-	"d4201"	intlist											
145			synchset	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.	element		Node related specification	fullnm	appnm	clause	data type	ac	strflex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd
	ps module	classdef															
148			-	-	-	"d4401"	char										
149			subnode	"added function characters"	"added function chars"	"d4401"	nmnd list	addfun								name	
150			-	-	-	"d4503"	string										
151			-	-	-	"d4504"	string										
152			-	-	-	"d4505"	string										
153			-	-	-	"d4506"	string										
154			-	"substitute general names"	"subst general names"	"d4507"	boolean										
155			-	"substitute entity names"	"subst entity names"	"d4507"	boolean										
156			subnode	"general delimiter role associations"	"general delim assoc"	"d4611"	nmnd list	dlimrias								role	
157			-	"short reference delimiters"	"shortref delims"	"d4621"	strlist										
158			subnode	"syntax literal associations"	"syntax literal assoc"	"d4701"	nmnd list	synlitas								resname	
159			-	-	-	"FIG41"	integer										

Table D.1 (continued)

Element No.	element		attribute																
	ps module	classdef	profdef	Node Related specification	fullnm	apnrm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd	
160			attsplen	-		-	"FIG42"	integer											
161			bseqnlen	-		-	"FIG43"	integer											
162			dtaglen	-		-	"FIG44"	integer											
163			dtempnlen	-		-	"FIG45"	integer											
164			entivi	-		-	"FIG46"	integer											
165			grpcont	-		-	"FIG47"	integer											
166			grpgtcont	-		-	"FIG48"	integer											
167			grplvi	-		-	"FIG49"	integer											
168			littlen	-		-	"FIG4a"	integer											
169			namelen	-		-	"FIG4b"	integer											
170			normsep	-		-	"FIG4c"	integer											
171			pilen	-		-	"FIG4d"	integer											
172			taglen	-		-	"FIG4e"	integer											
173			taglvi	-		-	"FIG4f"	integer											
174		addfun	-	-	"added function character"	-	"d4400"	-											

Table D.1 (continued)

Element No.	element			attribute															
	ps module	classdef	prodef	Node related specification	fullnm	apnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strnorm	sd	dependon	acnmprop	mayadd	
175			name	-	-	-	"d4402"	string		name				general					
176			class	-	"function class"	-	"d4403"	enum											
177			char	-	character	-	"95003"	char											
178		dimmas	-	-	"delimiter role association"	"delim role assoc"	"d4610"	-											
179			role	-	-	-	"d4612"	string						rcsgener					
180			delim	-	delimiter	delim	"d4611"	string						general					
181		synlitas	-	-	"syntactic literal association"	"syntactic literal assoc"	"d4700"	-											
182			synlilt	-	-	"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	apnrm	clause	data type	ac	strlex	cn	conprop	dsepprop	strnorm	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		features	-	-	"feature use"	-	"d5000"	-											

Table D.1 (continued)

Element No.	element			attribute														
	ps module	classdef	prodef	Node related specification	fulnm	apnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acmprop	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		-	sgmidcl	subnode optional	"SGML declaration"	"sgml decl"	"d0001"	node	sgmidcl		sgml doc							
215		-	sdctype	-	"SGML declaration type"	"sgml decl type"	"62300"	enum			sgml doc							
216		sgmidcl	-	-	"SGML declaration"	"sgml decl"	"d0000"	-				markup						

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
217			markup	subnode	-	-	"d0001"	node list	"ssep comment name number name literal gendeim"									
218	prfgabs1	-	-	-	"prolog abstract level 1"	-	-	-							prfgabs0			
219		-	attdefs	subnode	"attribute definitions"	"attribute defs"	"b3002"	nmnd list	attdef		nola tion					name		
220		-	attdef	irefnod	"attribute definition"	"attribute def"	"b3003"	node	attdef		att asgn							
221		-	elem type	irefnod	-	"element type"	"b2101"	node	element		element							
222		-	dfitent	subnode	-	"default entity"	"a5105"	node	dfitent		doc type							
223		-	elemtps	subnode	-	"element types"	"b2101"	nmnd list	"element rankstem"		doc type					"gi stem"		
224		-	par ments	subnode	-	"parameter entities"	"b1004"	nmnd list	entity		doc type					name		
225		element type	-	-	"element type definition"	"element type"	"b2000"	-										
226			gi	-	"generic identifier"	-	"78002"	string		name				general				
227			omitstr	-	-	"omit start tag"	"b2202"	boolean										
228			omitend	-	-	"omit end tag"	"b2203"	boolean										

Table D.1 (continued)

Element No.	element			attribute															
	ps module	classdef	prodef	Node related specification	fulinm	apnm	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"	"b3003"	minmlist	attdef								name		
234				-	-	"model group"	"b2402"	-				tokens							
235			connect	-	-	connector	"b2410"	enum											
236			occur	-	-	"occurrence indicator"	"b2420"	enum											
237			tokens	subnode	-	"content tokens"	"b2403"	node list	"modelgrp pcdatatk elemtk"										
238				-	-	"pcdata token"	"b2404"	-											
239				-	-	"element token"	"b2405"	-											
240			gi	-	-	"generic identifier"	"b2405"	string		name						general			
241			occur	-	-	"occurrence indicator"	"b2405"	enum											
242				-	-	"attribute definition"	"b3003"	-				dfitval							
243			name	-	-	-	"b3201"	string		name						general			

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	
244			dctype	-	declared value prescription type"	"decl value type"	"b3301"	enum											
245			tokens	-	-	-	"b3301"	strlist											
246			dftype	-	-	"default value type"	"b3401"	enum											
247			dftval	subnode	-	"default value"	"b3409"	node list	"att valtkdata chars data intgnch entjstart entend"										
248			curgrp	irefnod	-	"current group"	"b3001"	node list	atdef										
249			curattix	-	-	"current attribute index"	"b3001"	integer											
250			-	-	-	"default entity"		-											
251			entype	-	-	"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								name		
255			notname	-	-	"notation name"	"79408"	string		name									general

Table D.1 (continued)

Element No.	element			attribute															
	ps module	classdef	profdef	Node related specification	fullnm	apnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd	
256			notation	irefnode	-	-	"b4001"	node	notation										
257	pr/gstds	-	-	-	"prolog SGML document string"	-	-	-								basesds1			
258		-	entdcl	irefnode	"entity declaration"	"entity decl"	"a5001"	node	entdcl		diffent								
259		-	notdcl	irefnode	"notation declaration"	"notation decl"	"b4001"	node	notdcl		notation								
260		-	attdldcl	irefnode	"attribute definition list declaration"	"attribute def list decl"	"b4111"	node	attdldcl		notation								
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			attribute															
	ps module	classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	striex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd	
266			markup	subnode	-	-	"b1001"	node list	"ssep comment name name literal msstart msend msignch entstart entend comdcl pi eltpdcl entdcl notdcl attdcl usemap srmapdcl"										
267			doctype	irefnode	-	"document type"	"b1008"	node	doctype										
268			entity	subnode	-		"b1008"	node	entity										
269		attdcl	-	-	"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			assetps	irefnode	"associated element types"	"assoc element types"	"b3001"	node list	elementype										

Table D.1 (continued)

Element No.	element			attribute															
	ps module	classdef	profdef	Node related specification	fullnm	apnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acmprop	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			-	-	"entity declaration"	"entity decl"	"a5000"	-										+	
277			markup	subnode	-	-	"a5001"	node list	"entstart entend ssep comment gendelm name name literal attvalue"										
278			entity	subnode	-	-	"a5201"	node	entity										
279		notdcl	-	-	"notation declaration"	"notation decl"	"b4000"	-										+	

Table D.1 (continued)

Element No.	element				attribute													
	ps module	classdef	profdef	Node Related specification	fullnm	apnrm	clause	data type	ac	strlex	cn	conprop	dsepprop	strnorm	sd	dependon	acnmprop	mayadd
280			markup	subnode	-	-	"b4001"	node list	"entstart entend ssep comment literal name name"									
281			notation	irefnod	-	-	"b4001"	node	notation									
282	instds0	-	-	-	"instance SGML document string level 0"	-	-	-	-									
283		-	included	derived	-	-	-	boolean			element							
284		-	omit end	derived	-	-	"b2209"	boolean			element							
285	instds1	-	-	-	"instance SGML document string level 1"	-	-	-	-							"instds0 basesds1"		
286		-	starttag	subnode optional	-	-	"74001"	node list	"gendeim name ssep entstart entend literal attvalue"		element							

Table D.1 (continued)

Element No.	element			attribute														
	ps module	classdef	prodef	Node related specification	fullnm	apnm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acmprop	mayadd
287		-	endtag	subnode optional	-	"end tag"	"75001"	node list	"gendelm name ssep entstart entend ignmkup"		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			-	-	-	"re position"	"7610a"	-										
296			re	irefnode	-	"record end"	"7610a"	node	datachar									
297			-	-	"datatag abstract"	-	-	-										baseabs

Table D.1 (continued)

Element No.	element				attribute													
	ps module	classdef	profdef	Node Related specification	fullnm	apnrm	clause	data type	ac	strlex	cn	conprop	dsepprop	strnorm	sd	dependon	acnmprop	mayadd
298	-	-	datatag	derived	-	-	"73201"	boolean	-	-	element	-	-	-	-	-	-	-
299	-	-	dtg temps	-	-	"data tag templates"	"b2444"	strlist	-	-	elem type	-	-	-	-	-	-	-
300	-	-	dtgp temp	-	-	"data tag padding template"	"b2445"	string	-	-	elem type	-	-	-	-	-	-	-
301	-	-	-	-	"rank abstract"	-	-	-	-	-	-	-	-	-	-	prfgabs 1	-	-
302	-	-	rank suff	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	-	-	-	-	-	"rank stem"	"b2113"	-	-	-	-	-	-	-	-	-	-	-
306	-	-	stem	-	-	-	"b2113"	string	-	name	-	-	-	general	-	-	-	-
307	-	-	elemtps	irefnod	-	"element types"	"b2112"	node list	elemtype	-	-	-	-	-	-	-	-	-
308	-	-	-	-	"shortref abstract"	-	-	-	-	-	-	-	-	-	-	prfgabs 0	-	-
309	-	-	-	-	"shortref abstract"	-	-	-	-	-	-	-	-	-	-	prfgabs 0	-	-

Table D.1 (continued)

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

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	strnorm	sd	dependon	acnmprop	mayadd
320	srsds	-	-	-	"shortref S(M) document string"	-	-	-	-	-	-	-	-	-	-	basesds1	-	-
321		usemap	-	-	"short reference use declaration"	"short ref use decl"	"b6000"	-	-	-	-	markup	-	-	-	-	-	-
322			markup	subnode	-	-	"b6001"	node list	"entstart entend ssep comment gendelm name iname ignmarkup"	-	-	-	-	-	-	-	-	-
323			assetps	irefnode	"associated element types"	"assoc element types"	"a1501"	node list	elertype	-	-	-	-	-	-	-	-	-
324			smap	irefnode	-	-	"b6002"	node	smap	-	-	-	-	-	-	-	-	-
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		smapdcl	-	-	"short reference mapping declaration"	"short ref map decl"	"b5000"	-	-	-	-	-	-	-	-	-	-	+

Table D.1 (continued)

Element No.	element			attribute														
	ps module	classdef	profdef	Node related specification	fullnm	apnmm	clause	data type	ac	stflex	cn	conprop	dsepprop	strnorm	sd	dependon	acnmprop	mayadd
329			markup	subnode	-	-	"b5001"	node list	"entstart entend ssep comment gendelm name name literal"									
330			map	irefnode	-	-	"b5001"	node	smap									
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"	-										

Table D.1 (continued)

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

Table D.1 (continued)

Element No.	element			attribute															
	ps module	classdef	profdef	Node related specification	fullnm	appnm	clause	data type	ac	strflex	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			assgjis	-	"associated generic identifiers"	"assoc gis"	"c2101"	strlist		name									
358			assetps	irefnode	"associated element types"	"assoc element types"	"c2101"	node list	elementype										
359			id	-	"unique identifier"	-	"c2301"	string		name				general					
360			uselink	irefnode	-	-	"c2104"	node	linkset										
361			uselknm	-	-	"uselink name"	"c2104"	string		mi name				general					
362			postlkrs	derived	-	"postlink restore"	"c2101"	boolean											
363			postlkst	irefnode	-	"postlink set"	"c2101"	node	linkset										
364			postlknm	-	-	-	"c2101"	string		mi name				general					
365			linkatts	subnode	-	"link attributes"	"c2102"	nmnd list	attasgn								name		

Table D.1 (continued)

Element No.	element			attribute															
	ps module	classdef	profdef	Node Related specification	fullnm	apnrm	clause	data type	ac	strlex	cn	conprop	dsepprop	strmnorm	sd	dependon	acnmprop	mayadd	
366			rslgi	-	"result element generic identifier"	"result gi"	"c2202"	string		name				general					
367			rsitelem	irefnode	-	"result element type"	"c2202"	node	elentype										
368			rslatts	subnode	-	"result attributes"	"c2203"	nmnd list	attasgn								name		
369	linksds	-	-	-	"link SGML document string"	-	-									basesds1			
370		-	lksetdcl	irefnode	"link set declaration"	"link set decl"	"c2001"	node	"lksetdcl idkdc1"		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			markkup	subnode	-	-	"c1001"	node list	"ssep comment name name literal msstart msignch msend entstart entend pi comdcl entdcl atfdcl lksetdcl idkdc1"										

Table D.1 (continued)

Element No.	element			attribute															
	ps module	classdef	profdef	Node related specification	fullnm	apnrm	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			markkup	subnode	-	-	"c2001"	node list	"entstart entend ssep comment gendelm name name literal attvalue"										
378			linkset	irefnode	-	"link set"	"c2001"	node	linkset										
379		idlkdcl	-	-	"ID link set declaration"	"id link set decl"	"c2300"	-											+
380			markkup	subnode	-	-	"c2301"	node list	"entstart entend ssep comment gendelm name name literal attvalue"										
381			linkset	irefnode	-	"link set"	"c2301"	node	linkset										
382		uselink	-	-	"link set use declaration"	"link set use decl"	"c3000"	-											markkup

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	strnorm	sd	dependon	acnmprop	mayadd		
383			markup	subnode	-	-	"c3001"	node list	"entstart entend ssep comment gendelm name name ignmirkup"											
384			restore	derived	-	-	"c3002"	boolean												
385			linkset	irefnode	-	-	"c3002"	node	linkset											
386			lksetnm	-	-	-	"c3002"	string		rni name				general						
387			linktpnm	-	-	-	"c3001"	string		name				general						
388			linktype	irefnode	-	-	"c3001"	node	linktype											
389	subdcabs	-	-	-	"subdoc abstract"	-	-	-								baseabs				
390		subdoc	-	-	"reference to subdocu ment"	subdocu ment	-	-												
391			entname	-	-	-	"a5101"	string		name				entity						
392			entity	irefnode	-	-	"c5501"	node	entity											
393	subdcabs	-	-	-	"subdoc SGML document string"	-	-	-								basesds1 subdcabs				

Table D.1 (continued)

Element No.	element		attribute															
	ps module	classdef	profdef	Node related specification	fullnm	apnmm	clause	data type	ac	stflex	cn	conprop	dsepprop	strnorm	sd	dependon	acnmprop	mayadd
394		-	markup	subnode optional	-	-	"94401"	node list	"gendelm name ssep entstart entend refendre shortref"		sub doc							
395	fpiabs	-	-	-	"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										
400			textclas	-	"public text class"	"text class"	"a2210"	enum										
401			unavail	-	-	unavailable	"a2202"	boolean										
402			textdesc	-	"public text description"	"text description"	"a2221"	string										
403			textlang	-	"public text language"	"text language"	"a2231"	string										

Table D.1 (continued)

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

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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-paragraph-break	0700 line-field	0800 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	
attachment area										e						
keep-with-previous?:	d	n		e	e	e	e	e								c
keep-with-next?:	d	n		e	e	e	e	e								c
keep:	d	n		e	e	e	e	e								c
may-violate-keep-before?:	d	n		e	e	e	e	e								c
may-violate-keep-after?:	d	n		e	e	e	e	e								c
break-before:	d	n		e	e	e	e	e								c
break-after:		n		e	e	e	e	e								e
space-after:	d	n		e	e	e	e	e								c
space-before:	d	n		e	e	e	e	e								c
position-preference:		n		e	e	e	e	e								e
writing-mode:	d	i			e							e				c
span:	d	i					e				e					c
span-weak?:		i					e				e					e
font-family-name:		i						e				e				
font-weight:		i						e				e				

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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-property:	i	n								e		e	e	e			c
0027 break-after-property:	i	n								e		e	e	e			c
0028 color:		i									e		e				e
0029 layer:		i									e		e				e
0030 line-cap:		i									e						e
0031 line-dash:		i									e						e
0032 line-thickness:		i									e						e
0033 line-repeat:		i									e						e
0034 line-sep:		i									e						e

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Table E.1 (continued)

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

	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	subscript	super-script	script	
display area	e	e		e	e	e			e			e					
inline area	e	e	e	e				e		e		e					
attachment area																	
keep-with-previous?:	c	c		c	e				e								
keep-with-next?:	c	c		c	e				e								
keep:	c	c		c	e				e								
may-violate-keep-before?:	c	c		c	e				e								

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Table E.1 (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	subscript	super-script	script
0005	c	c		c	e				e							
0006	e	e		e	e				e							
0007	e	e		e	e				e							
0008	c	c		c	e				e							
0009	c	c		c	e				e							
0010	e	e		e	e				e							
0011	c	c		e					e				e			
0012	c	c		c												
0013	e	e		e												
0014			e										e			
0015			e										e			
0016			e										e			
0017			e										e			
0018			e										e			
0019			e										e			
0020			e													
0021																
0022																
0023	c	c		c		e										

Table E.1 (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	subscript	super-script	script
0024	c	c	c	c		e			e							
0025	c	c	e	e			e			e	e					
0026	c	c		e			e			e	e					
0027	c	c		e			e			e	e					
0028	e		e	e												
0029	e		e	e												
0030			e	e												
0031			e	e												
0032			e	e												
0033			e	e												
0034			e	e												
0035																
0036	e	e		e												
0037																
0038	c	c							e							
0039	c	c														
0040	c	c														
0041	c	c														

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Table E.1 (continued)

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

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Table E.1 (continued)

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

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Table E.1 (continued)

	2605	2606	2607	2608	2609	2610	2611	2700	2701	2702	2703	2704	2705	2800	2801	2802	2803	
	mark	fence	fraction	radical	math-operator	grid	grid-cell	table	table-part	table-column	table-row	table-cell	table-border	scroll	multi-mode	link	margin	
0037																		
0038								e		e								
0039																		
0040																		
0041																		

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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
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 para-graph	0700 para-graph-break	0800 line-field	0900 sideline	1000 anchor	1100 character	1200 leader	1300 embedded-text	1400 rule	
0060		i				e											
0061		i				e											
0062		i				e											
0063		i				e											
0064		i				e											
0065		i				e											
0066		i				e											
0067		i					e										
0068		i					e										
0069		i						e									
0070		i						e									
0071		i						e									
0072		i						e									
0073		i						e									
0074		i						e									
0075		i						e									
0076		i						e									
0077		i						e									
0078		i						e									
0079		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		i						e								
0081		i						e								
0082		i						e								
0083		i						e								
0084		i						e								
0085		i						e								
0086		i						e								
0087		i						e								
0088		i						e								
0089		i						e								
0090		i						e								
0091		i						e								
0092		i						e								
0093		i						e								
0094		i						e								
0095		i						e								

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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		i						e								
0097		i						e								
0098		i						e								
0099		i						e								
0100		i						e								
0101		i						e								
0102		i						e								
0103		i						e								
0104		i						e								
0105		i						e								
0106		i								e						
0107		i								e						
0108		i									e					
0109		i									e					
0110		i										e				
0111		n											e			
0112		i											e			
0113		n											e			
0114		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
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			

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Table E.2 (continued)

	display / inline	inherited / not-inherited	0100	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
			sequence	display-group	simple-page-sequence	page-sequence	column-set-sequence	para-graph	para-graph-break	line-field	sideline	anchor	character	leader	embedded-text	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															
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															

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Table E.2 (continued)

	display / inline	inherited / not-inherited	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
			sequence	display-group	simple-page-sequence	page-sequence	column-set-sequence	paragraph	paragraph-break	line-field	sideline	anchor	character	leader	embedded-text	rule
0152		i														
0153		n														
0154		n														
0155		i														
0156		i														
0157		i														
0158		i														
0159		i														
0160		i														
0161		i														
0162		i														
0163		i														
0164	d	i														
0165	d	i														
0166		i														
0167		i														
0168		i														
0169		i														

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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														

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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															

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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		i														
0221		i														
0222		i														
0223		i														
0224		i														
0225		i														
0226		n														
0227		n														
0228		i														
0229		i														
0230		i														
0231		i														
0232		i														
0233		i														
0234		i														
0235		i														
0236		i														

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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		i															
0238		i															
0239		i															
0240		i															
0241		i															
0242		i															
0243		i															
0244		n															
0245		i															
0246		i															
0247		i															
0248		i															
0249		i															

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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- annota- tion	alignment- point	aligned- column	multi- line- inline- note	empha- sizing- mark	math- sequence	unmath	sub- script	super- script	script
display area	e	e		e	e	e			e			e				
inline area	e	e	e	e				e		e		e				
attachment area																
0042																
0043																
0044																
0045																
0046																
0047																
0048																
0049																
0050																
0051																
0052																
0053																
0054																
0055																
0056																
0057																
0058																
0059																

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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- annota- tion	alignment- point	aligned- column	multi- line- inline- note	empha- sizing- mark	math- sequence	unmath	sub- script	super- script	script	
0060																	
0061																	
0062																	
0063																	
0064																	
0065																	
0066																	
0067																	
0068																	
0069																	
0070																	
0071																	
0072																	
0073																	
0074																	
0075																	
0076																	
0077																	
0078																	
0079																	

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- annota- tion	alignment- point	aligned- column	multi- line- inline- note	empha- sizing- mark	math- sequence	unmath	sub- script	super- script	script	
0080																	
0081																	
0082																	
0083																	
0084																	
0085																	
0086																	
0087																	
0088																	
0089																	
0090																	
0091																	
0092																	
0093																	
0094																	
0095																	

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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- annota- tion	alignment- point	aligned- column	multi- line- inline- note	empha- sizing- 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:																

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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	
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?:																

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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- annota- tion	alignment- point	aligned- column	multi- line- inline- note	empha- sizing- mark	math- sequence	unmath	sub- script	super- script	script	
0135																	
0136																	
0137																	
0138																	
0139																	
0140																	
0141																	
0142																	
0143	e																
0144	e																
0145	e																
0146	e																
0147	e																
0148		e															
0149		e															
0150		e															
0151		e															
0152		e															
0153		e															

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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- annota- tion	alignment- point	aligned- column	multi- line- inline- note	empha- sizing- mark	math- sequence	unmath	sub- script	super- script	script	
0154		e															
0155			e														
0156			e														
0157				e													
0158				e													
0159				e													
0160				e													
0161				e													
0162				e													
0163				e													
0164				c													
0165				c													
0166				e													
0167				e													
0168					e												
0169						e											
0170						e											
0171							e										

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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- annota- tion	alignment- point	aligned- column	multi- line- inline- note	empha- sizing- mark	math- sequence	unmath	sub- script	super- script	script	
0172							e										
0173										e							
0174										e							
0175										e							
0176										e							
0177											e						
0178											e						
0179											e						
0180												e					e
0181													e				
0182																	e
0183																	e
0184																	e
0185																	e
0186																	
0187																	
0188																	
0189																	

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- annota- tion	alignment- point	aligned- column	multi- line- inline- note	empha- sizing- mark	math- sequence	unmath	sub- script	super- script	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:														

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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- annota- tion	alignment- point	aligned- column	multi- line- inline- note	empha- sizing- mark	math- sequence	unmath	sub- script	super- script	script	
0208																	
0209																	
0210																	
0211																	
0212																	
0213																	
0214																	
0215																	
0216																	
0217																	
0218																	
0219																	
0220																	
0221																	
0222																	

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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- annota- tion	alignment- point	aligned- column	multi- line- inline- note	empha- sizing- mark	math- sequence	unmath	sub- script	super- script	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)																

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