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

AMENDMENT 2: Extensions to multilingual and complicated document styles

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

ISAMENDEMENT 2: Extensions aux modèles multilingues et compliqués

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Foreword

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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.

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Amendment 2 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.

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

AMENDMENT 2:

Extensions to multilingual and complicated document styles

Replace "ISO 639:1988 Code for the representation of names of languages." of 3 Normative References with:

ISO 639-1:2002, Codes for the representation of names of languages — Part 1: Alpha-2 code.

ISO 639-2:1998, Codes for the representation of names of languages — Part 2: Alpha-3 code.

Add the following list items after the list item of "— may-violate-keep-after?" of 12.6.2 Display-group Flow Object Class:

- ext-line-number: is a style object specifying characteristic to be assigned to ext-line-number to determine the style of a line number $TANDARD\ PREVIEW$
- ext-line-number-start: is a number that start point of sequence of line numbers to be output. The default value is specified using declare-characteristic. This characteristic is inherited.
- ext-line-number-position: is either #f or a string that specifies the position within the display area at which to output the line number. The default value is specified using declare characteristic. The string property specifies the position of the number by counting from either side of the display area from the initial position of the writing-mode. Thus, when the writing-mode is 'left-to-right with a layout of 'simple-page-sequence', specifying the value as "2" will display line-number on the right-hand side of the main text area. When layout is 3 columns, using 'column-set-sequence', to display the line number on both sides of 2nd column, specify "3 4" as the value of characteristic. This characteristic is inherited.
- ext-line-number-interval: is a positive integer that specifies the interval between successive line numbers. The default value is specified using declare-characteristic. This characteristic is inherited.
- ext-line-number-sep: is a length specifying the separation between line-number and display area. The default value is specified using declare-characteristic. This characteristic is inherited.
- ext-line-number-side: is one of the symbols start, end, or both. Specifies the position of display area in which the line-number is displayed. This characteristic is overlaps with ext-line-number-position: when both characteristics are specified, ext-line-number-position has a priority. The default value is specified using declare-characteristics. This characteristic is inherited.
- candidate-point-y: is a length specifying the candidate point of y-coordinate in a display-group region. The default value is Opt. This characteristic is not inherited.
- keep-with-next-table-row-count: is a number that specifies the number of table rows that are to be kept together within the area produced by flow object when keep-with-next? is #t. The default value is 0. This characteristic is not inherited.
- keep-with-next-line-count: is a number that specifies the number of lines to be kept together within the area produced by a flow object when keep-with-next? is #t. The default value is 0. This characteristic is not inherited.

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- keep-line-count: is a number that specifies the number of lines to be kept together within the area produced by a flow object when keep? is #t, 'page, 'column-set, or 'column. The default value is 0. This characteristic is not inherited.
- keep-priority: is an integer that specifies the priority of keep within the layout specification when keep, keep-with-next, keep-with-previous are processed. This characteristic is not inherited when a default value has been specified.
- enable-last-linebreak?: is a boolean specifying whether line-break is to be inserted or not at the end of generated area. The default value is #f. This characteristic is not inherited.
- basic-spacing?: is a boolean specifying whether the basic line positioning rule is to be applied or not. The
 default value is #f.
- line-adjustment?: is a boolean specifying whether the basic kerning rule of start and end of line is to be applied or not. The default value is false.
- numeric-unit-division?: is a boolean specifying whether division methods toward numeric and unit are to be applied or not. The default value is false.
- treat-single-line-as-last-line?: is a boolean specifying whether a single line is treated as last line or not. This characteristic is mainly used when display FOC specifies quadding as justify and the stylesheet writer does not expect single lines to be justified. The default value is #f.
- open-paren-space-length: is a length specifying the distance between line head and an open parenthesis. The default value is opt.
- first-line-open-paren-space-length: is a length specifying the distance between the start position of the first line of paragraph and an open parenthesis.
- continuous-number-base-position?: S a boolean indicating whether basic positioning methods based on continuous number is to be applied or not. The default value is false.
- space-addition?: is a boolean specifying whether inter-letter space adjustment methods are to be applied or not. When the value is #t and a line has space for justification, space can be inserted between each letter. The default value is false.
- last-line-characters: is a number that specifies the minimum number of characters that can be placed in the last line of the text area. The default value is #f.
- font-height: is a length specifying height of a font using a numeric expression. The default value is 0pt. This characteristic is not inherited.
- font-width: is a length specifying width of a font using a numeric expression. The default value is 0pt. This
 characteristic is not inherited.
- font-family-name: is either #f, indicating that any font family is acceptable, a string giving the font family name property of the desired font resource, or a list of (Language font-family-name) to specify multiple fonts. The initial value is isoserif
- character-rotation: is one of the symbols 0, 90, 180, or 270. Specifies that floating direction on specified inline characters. 0 means floating direction is same as the value of writing-mode. 90 means specified characters' floating direction is orthogonal to writing-mode. The default value is 0.
- base-line-shift: is a length specifying the distance from the base line. When the value is negative, base line is shifted up (or right). Base line is shifted down (or left) in response to a positive value. The default value is 0.

Add the following list items after the list item of "— writing-mode" of 12.6.3 Simple-page-sequence Flow Object Class:

- page-number-format: is either #f or a string that specifies the format of a page number. The default value is "1". This characteristic is not inherited.
- page-number-restart: is a boolean specifying whether the page number is to be re-calculated or not. The
 default value is #f. This characteristic is not inherited.
- initial-page-number: is a number that specifies the initial value of the page number. The default value is #f. This characteristic is not inherited.

Add the following list items after the list item of "— binding-edge" of 12.6.4 Page-sequence Flow Object Class:

- page-number-format: is either #f or a string that specifies the format of a page number. The default value is "1". This characteristic is not inherited.
- page-number-restart?: is a boolean specifying whether the page number is to be re-calculated or not. The
 default value is #f. This characteristic is not inherited.
- initial-page-number: is a number that specifies the initial value of the page number. The default value is #f. This characteristic is not inherited.

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Add the following list items after the list tem of the keep-withheart: " of 12.6.5 Column-set-sequence Flow Object Class:

- keep-with-next-line-count: is a number that specifies the number of lines to be kept together within the area produced by a flow object when keep-with-next? is #t. The default value is 0. This characteristic is not inherited.
- keep-line-count: is a number that specifies the number of lines to be kept together within the area produced by a flow object when keep? is #t, 'page, 'column-set, or 'column. The default value is 0. This characteristic is not inherited.
- keep-priority: is an integer that specifies the priority of keep within the layout specification when keep, keep-with-next, keep-with-previous are processed. This characteristic is not inherited when a default value has been specified.

Add the following list items after the list item of "— keep-with-next?" of 12.6.6 Paragraph Flow Object Class:

- keep-with-next-line-count: is a number that specifies the number of lines to be kept together within the area produced by a flow object when keep-with-next? is #t. The default value is 0. This characteristic is not inherited.
- keep-line-count: is a number that specifies the number of lines to be kept together within the area produced by a flow object when keep? is #t, 'page, 'column-set, or 'column. The default value is 0. This characteristic is not inherited.
- keep-priority: is an integer that specifies the priority of keep within the layout specification when keep, keep-with-next, keep-with-previous are processed. This characteristic is not inherited when a default value has been specified.

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- basic-spacing?: is a boolean specifying whether the basic line positioning rule is to be applied or not. The
 default value is #f.
- line-adjustment?: is a boolean specifying whether the basic kerning rule of start and end of line is to be applied or not. The default value is false.
- numeric-unit-division?: is a boolean specifying whether division methods toward numeric and unit are to be applied or not. The default value is false.
- treat-single-line-as-last-line?: is a boolean specifying whether a single line is treated as last line or not. This characteristic is mainly used when display FOC specifies quadding as justify and the stylesheet writer does not expect single lines to be justified. The default value is #f.
- open-paren-space-length: is a length specifying the distance between line head and an open parenthesis. The default value is Opt.
- first-line-open-paren-space-length: is a length specifying the distance between the start position of the first line of paragraph and an open parenthesis.
- continuous-number-base-position?: is a boolean indicating whether basic positioning methods based on continuous number is to be applied or not. The default value is false.
- space-addition?: is a boolean specifying whether inter-letter space adjustment methods are to be applied or not. When the value is #t and a line has space for justification, space can be inserted between each letter. The default value is false.
- last-line-characters: is a number that specifies the minimum number of characters that can be placed
 in the last line of the text area. The default value is #f.
- font-height: is a length specifying height of a font using a numeric expression. The default value is 0pt.
 This characteristic is not inherited.
- font-width: is a length specifying width of a font using a numeric expression. The default value is 0pt. This characteristic is not inherited. Standards. iteh. a./catalog/standards/sist/6588e41d-1523-4850-835b-8bce3526e0d5/iso-iec-10179-1996-amd-2-2005
- font-family-name: is either #f, indicating that any font family is acceptable, a string giving the font family name property of the desired font resource, or a list of (Language font-family-name) to specify multiple fonts. The initial value is isoserif.
- character-rotation: is one of the symbols 0, 90, 180, or 270 specifying that a floating direction on specified inline characters. 0 means a floating direction is same as the value of writing-mode. 90 means specified characters' floating direction is orthogonal to writing-mode. The default value is 0.
- base-line-shift: is a length specifying the distance from the base line. When the value is negative, base line is shifted up (or right). Base line is shifted down (or left) on positive value. The default value is 0.
- drop-character-number: is a number that specifies the number of characters can be displayed as dropcap characters. The default value is 0. This characteristic is not inherited.
- dropcap-height: is a length specifying height of a dropcap region. The default value is Opt. This characteristic is not inherited.
- dropcap-width: is a length specifying width of a dropcap region. The default value is 0pt. This characteristic
 is not inherited.
- string-bullet-list: is a list of strings that specifies the ordered bullet expression. Specified list will be rendered as the bullet of the ordered list. Each list item will be embraced by doublequote and separated by space. A doublequote can be written inside a string only by escaping it with a backslash(\) as in "The world \"recursion\" has many meanings.". Sample of this expression is as follows: string-bullet-list: '(list("one" "two" "\"three\"" "four")). The default value is "". This characteristic is not inherited.

Replace the list item of "— font-family-name" of 12.6.6 Paragraph Flow Object Class with:

— font-family-name: is either #f, indicating that any font family is acceptable, a string giving the font family name property of the desired font resource, or a list of (Language font-family-name) to specify multiple fonts. The initial value is isoserif.

Add the following list item after the list item of "— break-after-priority" of 12.6.8 Line-field Flow Object Class:

— inhibit-justify-space: is one of the symbols before, after, both, or #f specifying the inhibition of space by quadding: 'justify before/after the FOC line-field. The default value is #f. This characteristic is not inherited.

Add the following list item after the list item of "— line-sep" of 12.6.9 Sideline Flow Object Class:

— sideline-shift: is a length specifying the shifted length by means of a relative coordinate. The default value is 0 pt. This characteristic is inherited.

Add the following list items after the list item of "— inhibit-line-breaks?" of 12.6.11 Character Flow Object Class:

- character-rotation; is one of the symbols 0, 90, 180, or 270 specifying that a floating direction on specified inline characters. 0 means a floating direction is same as the value of writing-mode. 90 means specified characters' floating direction is orthogonal to writing-mode. The default value is 0.
- base-line-shift: is a length specifying the distance from the base line. When the value is negative, base line is shifted up (or right). Base line is shifted down (or left) on positive value. The default value is 0.
- font-height: is a length specifying height of a font using a numeric expression. The default value is 0pt. This characteristic is not inherited.
- font-width: is a length specifying width of a font using a numeric expression. The default value is 0pt. This
 characteristic is not inherited.
- font-family-name: is either #f, indicating that any font family is acceptable, a string giving the font family name property of the desired font resource, or a list of (Language font-family-name) to specify multiple fonts. The initial value is isoserif

Add the following list items after the list item of "— keep-with-next?" of 12.6.14 Rule Flow Object Class:

- keep-with-next-line-count: is a number that specifies the number of lines to be kept together within the area produced by a flow object when keep-with-next? is #t. The default value is 0. This characteristic is not inherited.
- keep-line-count: is a number that specifies the number of lines to be kept together within the area produced by a flow object when keep? is #t, 'page, 'column-set, or 'column. The default value is 0. This characteristic is not inherited.
- keep-priority: is an integer that specifies the priority of keep within the layout specification when keep, keep-with-next, keep-with-previous are processed. This characteristic is not inherited when a default value has been specified.

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