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PL/OFFX_DOCX

DOCX processor and generator
v5.9

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Introduction

PL/OFFX_DOCX is a PL/SQL based DOCX document generator from Oracle databases. Use PL/OFFX_DOCX to quickly and easily develop applications with dynamic content but also quality presentation and printing capabilities.

Links

Overview of the XML file formats in Office 2010: <http://technet.microsoft.com/en-us/library/cc179190.aspx>

XML Wordprocessing document structure: [http://msdn.microsoft.com/en-us/library/office/qq278308\(v=office.15\).aspx](http://msdn.microsoft.com/en-us/library/office/qq278308(v=office.15).aspx)

Installation

System requirements: Oracle 11g RDBMS Release 2 or higher. Oracle 11g Express Edition is supported.

PL/OFFX_DOCX is a collection of PL/SQL packages. Before using PL/OFFX_DOCX, make sure that the steps described in the Installation Guide were completed.

Using PL/OFFX_DOCX

Essentially, PL/OFFX_DOCX is a series of calls to PL/OFFX_DOCX procedures and functions from a PL/SQL script, package, procedure or function. If you are not familiar with the PL/SQL programming language, study the Oracle documentation.

Contact

Contact us at: <mailto:info@plpdf.com>

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Init

Type: procedure

Description: Initializes generator program variables.

Version: v2.0.0

Parameters:

- p_unit varchar2 default 'mm': Default measurement unit
- p_orientation ploffx_document_type.ST_PageOrientation default ploffx_document_type.c_portrait: Page orientation

Return: -

getScaleFactor

Type: function

Description: Gets the scale multiplier between user OUM and internal point.

Version: v4.8.0

Parameters:

-

Return: number: The multiplier

setPageSize

Type: procedure

Description: Set page size setting.

Version: v4.7.0

Parameters:

- p_w number: Page width
- p_h number: Page height

Return: -

crParagraph

Type: function

Description: Create empty paragraph for content.

Version: v2.0.0

Parameters:

- p_bidi boolean default null: Right to Left Paragraph Layout
- p_contextualSpacing boolean default null: Ignore Spacing Above and Below When Using Identical Styles
- p_ind ploffx_document_type.CT_Ind default null: Set paragraph indentation
- p_alignment varchar2 default null: Paragraph horizontal alignment (left, center, right, justify)
- p_numPr ploffx_document_type.CT_NumPr default null: Numbering properties
- p_pageBreakBefore boolean default null: Start Paragraph on Next Page
- p_border ploffx_document_type.CT_PBdr default null: Paragraph Borders
- p_pStyle varchar2 default null: Referenced Paragraph Style
- p_spacing ploffx_document_type.CT_Spacing default null: Spacing Between Lines and Above/Below Paragraph
- p_suppressAutoHyphens boolean default null: Suppress Hyphenation for Paragraph

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- p_suppressLineNumbers boolean default null : Suppress Line Numbers for Paragraph
- p_textAlignment varchar2 default null : Vertical Character Alignment on Line
- p_widowControl boolean default null : Allow First/Last Line to Display on a Separate Page

Return : pls_integer : Index of the created paragraph

crSectionParagraph

Type: function

Description : Create section paragraph for content.

Version: v4.8.0

Parameters :

- p_cols_space varchar2 default null : Column Definitions
- p_docgrid_linePitch varchar2 default null : Document Grid
- p_pgmar_bottom varchar2 default null : Page Margins Bottom
- p_pgmar_footer varchar2 default null : Page MArgins Footer
- p_pgmar_gutter varchar2 default null : Page Margins Gutter
- p_pgmar_header varchar2 default null : Page Margins Header
- p_pgmar_left varchar2 default null : Page Margins Left
- p_pgmar_right varchar2 default null : Page Margins Right
- p_pgmar_top varchar2 default null : Page Margins Top
- p_pgSz_w varchar2 default null : Page Size Width
- p_pgSz_h varchar2 default null : Page Size Height
- p_pgSz_orient varchar2 default null : Page Size Orientation

Return : pls_integer : Index of the created paragraph

addParagraph

Type: procedure

Description : Add paragraph to the document

Version: v2.0.0

Parameters :

- p_paragraph_id pls_integer : Existing paragraph ID

Return : -

addParagraph

Type: function

Description : Add paragraph to document

Version: v2.0.0

Parameters :

- p_paragraph_id pls_integer : Existing paragraph ID

Return : pls_integer : The internal index of the new paragraph

addText

Type: procedure

Description : Add text to an existing paragraph.

Version: v4.10

Parameters :

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- p_paragraph_id pls_integer : Specifies a reference to a previously defined paragraph.
- p_text varchar2 : Specifies the value of this text.
- p_bold boolean default null : Bold text.
- p_border ploffx_document_type.CT_Border default null : Specifies text border properties
- p_case varchar2 default null : Specifies U(pper) or L(ower) case
- p_color varchar2 default null : Specifies text color in hexadecimal format
- p_fitText number default null : Display text in fix width.
- p_highlight varchar2 default null : Specifies highlight color around the text.
- p_italic boolean default null : Italic text.
- p_vertPosition number default null : Specifies the amount to be raised or lowered the text relation to the default baseline of the
- p_FontName varchar2 default null : Specifies font family
- p_style varchar2 default null : Specifies the text style
- p_spacing number default null : Specifies the character spacing.
- p_strikeout number default null : Strikeout.
- p_FontSize number default null : Specifies the font size.
- p_underline ploffx_document_type.CT_Underline default null : Specifies the underline properties.
- p_vertAlign varchar2 default null : Specifies the vertical alignment of the text.
 - o baseline
 - o subscript
 - o superscript
- p_w number default null : This element specifies the amount by which each character shall be expanded.

Return : -

addText

Type: function

Description : Add text to an existing paragraph.

Version: v2.0.0

Parameters :

- p_paragraph_id pls_integer : Specifies a reference to a previously defined paragraph.
- p_text varchar2 : Specifies the value of this text.
- p_bold boolean default null : Bold text.
- p_border ploffx_document_type.CT_Border default null : Specifies text border properties
- p_case varchar2 default null : Specifies U(pper) or L(ower) case
- p_color varchar2 default null : Specifies text color in hexadecimal format
- p_fitText number default null : Display text in fix width.
- p_highlight varchar2 default null : Specifies highlight color around the text.
- p_italic boolean default null : Italic text.
- p_vertPosition number default null : Specifies the amount to be raised or lowered the text relation to the default baseline of the
- p_FontName varchar2 default nul : Specifies font family

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- p_style varchar2 default null : Specifies the text style
- p_spacing number default null : Specifies the character spacing.
- p_strikeout number default null : Strikeout.
- p_FontSize number default null : Specifies the font size.
- p_underline ploffx_document_type.CT_Underline default null : Specifies the underline properties.
- p_vertAlign varchar2 default null : Specifies the vertical alignment of the text.
 - o baseline
 - o subscript
 - o superscript
- p_w number default null : This element specifies the amount by which each character shall be expanded.

Return : pls_integer : The internal index of the text object

addInstrText

Type: function

Description : Adds Field Code to an existing paragraph.

Version: v4.9.4

Parameters :

- p_paragraph_id pls_integer : Specifies a reference to a previously defined paragraph.
- p_instrText varchar2 : Specifies the value of this field code.
- p_RPr ploffx_document_type.CT_RPr default null : the field code run properties

Return : pls_integer : The internal index of the text object

addfldChar

Type: function

Description : Adds Complex Field Char to an existing paragraph.

Version: v4.8.2

Parameters :

- p_paragraph_id pls_integer : Specifies a reference to a previously defined paragraph.
- p_fldCharType varchar2 : Specifies the value of this field char.

Return : pls_integer : The internal index of the text object

crRun

Type: function

Description : Creates text run structure from text and run properties.

Version: v4.8.0

Parameters :

- p_text varchar2 : The text as string
- p_RPr ploffx_document_type.CT_RPr : The run properties

Return : pls_integer : The internal structure of the created object

addRun

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Type: function

Description: Adds Run as a structure to an existing paragraph.

Version: v4.8.0

Parameters:

- p_paragraph_id pls_integer: Specifies a reference to a previously defined paragraph.
- p_run ploffx_document_type.CT_R: The run as internal structure

Return: pls_integer: The internal index of the run object

addRun

Type: procedure

Description: Adds Run as a structure to an existing paragraph.

Version: v4.8.0

Parameters:

- p_paragraph_id pls_integer: Specifies a reference to a previously defined paragraph.
- p_run ploffx_document_type.CT_R: The run as internal structure

Return: -

addBR

Type: function

Description: Adds Break to an existing paragraph.

Version: v4.5.0

Parameters:

- p_paragraph_id pls_integer: Specifies a reference to a previously defined paragraph.
- p_clear varchar2 default null: Restart Location For Text Wrapping Break
- p_type varchar2 default null: Break Type, see ploffx_document_type.ST_BrType
 - o column: Column Break
 - o page: Page Break
 - o textWrapping: Line Break

Return: pls_integer: The internal index of the run object

addBR

Type: procedure

Description: Adds Break to an existing paragraph.

Version: v4.8.0

Parameters:

- p_paragraph_id pls_integer: Specifies a reference to a previously defined paragraph.
- p_clear varchar2 default null: Restart Location For Text Wrapping Break
- p_type varchar2 default null: Break Type, see ploffx_document_type.ST_BrType
 - o column: Column Break
 - o page: Page Break
 - o textWrapping: Line Break

Return: -

setListLevel

Type: procedure

Description: Set paragraph to a list element.

Version: v2.0.0

Parameters:

- p_paragraph_id pls_integer: Specifies a reference to a previously defined paragraph.
- p_level pls_integer default 0: Specifies the list level.
- p_numId pls_integer default 1: Specifies a reference to the list.

Return: -

AddHeader

Type: procedure

Description: Add paragraph to the document header.

Version: v3.0.0

Parameters:

- p_paragraph_id pls_integer: Specifies a reference to a previously defined paragraph.
- p_type ploffx_document_type.ST_HdrFtr default ploffx_document_type.c_default: Specifies the type of header.
 - o default
 - o even
 - o first

Return:

AddFooter

Type: procedure

Description: Add paragraph to the document footer.

Version: v3.0.0

Parameters:

- p_paragraph_id pls_integer: Specifies a reference to a previously defined paragraph.
- p_type ploffx_document_type.ST_HdrFtr default ploffx_document_type.c_default: Specifies the type of footer.
 - o default
 - o even
 - o first

Return:

crTable

Type: function

Description: Create table.

Version: v4.8.1

Parameters:

- p_width number default null: Specifies the table width.
- p_alignment varchar2 default ploffx_document_type.c_left: Specifies the table alignment.
- p_tblStyle varchar2 default null: Specifies the table style.

Return: pls_integer: Index of the created table

addTable

Type: function

Description: Add previously defined table to the document.

Version: v2.0.0

Parameters:

- p_table_id pls_integer: Specifies a reference to a previously defined table.

Return: pls_integer: Index of the created table.

addTable

Type: procedure

Description: Add previously defined table to the document.

Version: v4.8.0

Parameters:

- p_table_id pls_integer: Specifies a reference to a previously defined table.

Return: -

setTableBorders

Type: procedure

Description: Customize a previously defined table border properties.

Version: v2.0.0

Parameters:

- p_table_id pls_integer: Specifies a reference to a previously defined table.
- p_style varchar2 default null: Specifies the border style.
- p_width number default null: Specifies the border width.
- p_space number default null: Specifies the space between the border and the content.
- p_color varchar2 default null: Specifies the border color.

Return: -

setTableTopBorder

Type: procedure

Description: Customize a previously defined table top border properties.

Version: v4.7.0

Parameters:

- p_table_id pls_integer: Specifies a reference to a previously defined table.
- p_style varchar2 default null: Specifies the border style.
- p_width number default null: Specifies the border width.
- p_space number default null: Specifies the space between the border and the content.
- p_color varchar2 default null: Specifies the border color.

Return: -

setTableBottomBorder

Type: procedure

Description: Customize a previously defined table bottom border properties.

Version: v4.7.0

Parameters:

- p_table_id pls_integer: Specifies a reference to a previously defined table.
- p_style varchar2 default null: Specifies the border style.
- p_width number default null: Specifies the border width.
- p_space number default null: Specifies the space between the border and the content.
- p_color varchar2 default null: Specifies the border color.

Return: -

setTableLeftBorder

Type: procedure

Description: Customize a previously defined table left border properties.

Version: v4.7.0

Parameters:

- p_table_id pls_integer: Specifies a reference to a previously defined table.
- p_style varchar2 default null: Specifies the border style.
- p_width number default null: Specifies the border width.
- p_space number default null: Specifies the space between the border and the content.
- p_color varchar2 default null: Specifies the border color.

Return: -

setTableRightBorder

Type: procedure

Description: Customize a previously defined table right border properties.

Version: v4.7.0

Parameters:

- p_table_id pls_integer: Specifies a reference to a previously defined table.
- p_style varchar2 default null: Specifies the border style.
- p_width number default null: Specifies the border width.
- p_space number default null: Specifies the space between the border and the content.
- p_color varchar2 default null: Specifies the border color.

Return: -

setTableInsideBorder

Type: procedure

Description: Customize a previously defined table InsideH border properties.

Version: v4.7.0

Parameters:

- p_table_id pls_integer: Specifies a reference to a previously defined table.

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- p_style varchar2 default null : Specifies the border style.
- p_width number default null : Specifies the border width.
- p_space number default null : Specifies the space between the border and the content.
- p_color varchar2 default null : Specifies the border color.

Return : -

setTableInsideVBorder

Type: procedure

Description : Customize a previously defined table InsideV border properties.

Version: v4.7.0

Parameters :

- p_table_id pls_integer : Specifies a reference to a previously defined table.
- p_style varchar2 default null : Specifies the border style.
- p_width number default null : Specifies the border width.
- p_space number default null : Specifies the space between the border and the content.
- p_color varchar2 default null : Specifies the border color.

Return : -

AddRow

Type: function

Description : Add row to a previously defined table.

Version: v4.5.0

Parameters :

- p_table_id pls_integer : Specifies a reference to a previously defined table.
- p_alignment varchar2 default null : Specifies the alignment of the row.
- p_height number default null : Specifies the height of the row.
- p_tblrheader boolean default null : Repeat table row on every new page.

Return : pls_integer : Index of the created row.

AddCell

Type: function

Description : Add cell to a previously defined table row.

Version: v4.9.7

Parameters :

- p_table_id pls_integer : Specifies a reference to a previously defined table.
- p_row_id pls_integer : Specifies a reference to a previously defined row.
- p_noWrap boolean default null : NoWrap.
- p_width number default null : Specifies the width of the cell.
- p_gridSpan pls_integer default null : This element specifies the number of grid columns which shall be spanned by the current cell.
- p_vMerge plofff_document_type.CT_VMerge default null : This element specifies that this cell is part of a vertically merged set of cells in a table.

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- p_cellBorder ploffx_document_type.CT_TcBorders default null : Specifies the border of the cell.
- p_background ploffx_document_type.ST_HexColor default null : Specifies the background color of the cell.

Return : pls_integer : Index of the created cell.

TableaddParagraph

Type: procedure

Description : Add previously defined paragraph to a cell of table.

Version: v2.0.0

Parameters :

- p_table_id pls_integer : Specifies a reference to a previously defined table.
- p_row_id pls_integer : Specifies a reference to a previously defined row.
- p_cell_id pls_integer : Specifies a reference to a previously defined cell.
- p_paragraph_id pls_integer : Specifies a reference to a previously defined paragraph.

TableaddParagraph

Type: function

Description : Add previously defined paragraph to a cell of table.

Version: v2.0.0

Parameters :

- p_table_id pls_integer : Specifies a reference to a previously defined table.
- p_row_id pls_integer : Specifies a reference to a previously defined row.
- p_cell_id pls_integer : Specifies a reference to a previously defined cell.
- p_paragraph_id pls_integer : Specifies a reference to a previously defined paragraph.

Return : pls_integer : The internal index of the paragraph

addInlineImage

Type: procedure

Description : Add inline image to a paragraph.

Version: v4.9.1

Parameters :

- p_paragraph_id pls_integer : Specifies a reference to a previously defined paragraph.
- p_name varchar2 : Specifies the image name.
- p_file in out nocopy blob : Specifies a reference to the image source blob.
- p_width number default null : Specifies the image width.
- p_height number default null : Specifies the image height.

addInlineImage

Type: function

Description : Add inline image to a paragraph.

Version: v4.9.1

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Parameters :

- p_paragraph_id pls_integer : Specifies a reference to a previously defined paragraph.
- p_name varchar2 : Specifies the image name.
- p_file in out nocopy blob : Specifies a reference to the image source blob.
- p_width number default null : Specifies the image width.
- p_height number default null : Specifies the image height.

Return : pls_integer : tThe internal index of the image

SetBackground

Type: procedure

Description : Change the background color of document.

Version: v2.0.0

Parameters :

- p_backcolor varchar2 : Specifies the background color of document, in hexadecimal RGB code.

Return : -

addTabStop

Type: procedure

Description : Add tab stop to a selected paragraph

Version: v2.0.0

Parameters :

- p_paragraph_id pls_integer : Specifies a reference to a previously defined paragraph.
- p_val ploffx_document_type.ST_TabJc : Specifies the type of tab stop.
- p_pos number : Specifies the position of tab stop.
- p_leader ploffx_document_type.ST_TabTlc default ploffx_document_type.c_none_Tlc : Specifies the character which shall be used to fill in the space created by a tab which ends at this custom tab stop

Return : -

addImage

Type: function

Description : Add inline image to a paragraph.

Version: v4.9.1

Parameters :

- p_paragraph_id pls_integer : Specifies a reference to a previously defined paragraph.
- p_name varchar2 : Specifies the image name.
- p_file in out nocopy blob : Specifies a reference to the image source blob.
- p_width number default null : Specifies the image width.
- p_height number default null : Specifies the image height.
- p_x number : Specifies the image x coordinate of position.
- p_y number : Specifies the image y coordinate of position.
- p_textWrap varchar2 default 'wrapSquare' : Specifies the text wrap around the image.
- p_relativeFromH varchar2 default 'column' : This element specifies the

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horizontal positioning of the image.

- `p_relativeFromV` varchar2 default 'paragraph': This element specifies the vertical positioning of the image.
- `p_locked` boolean default false: Lock the image location when an application edits the document.
- `p_layoutInCell` boolean default true: Specifies how image shall behave when its anchor is located in a table cell.
- `p_allowOverlap` boolean default true: Specifies how image shall behave when its anchor is located in a table cell display time shall be allowed to overlap the contents of the other image.
- `p_behindDoc` varchar2 default 'false': Specifies the image to be displayed behind or above of the content.

Return: `pls_integer`: Index of the added image.

addImage

Type: procedure

Description: Add inline image to a paragraph.

Version: v4.9.4

Parameters:

- `p_paragraph_id` pls_integer: Specifies a reference to a previously defined paragraph.
- `p_name` varchar2: Specifies the image name.
- `p_file` in out nocopy blob: Specifies a reference to the image source blob.
- `p_width` number default null: Specifies the image width.
- `p_height` number default null: Specifies the image height.
- `p_x` number: Specifies the image x coordinate of position.
- `?p_y` number: Specifies the image y coordinate of position.
- `p_textWrap` varchar2 default 'wrapSquare': Specifies the text wrap around the image.
- `p_relativeFromH` varchar2 default 'column': This element specifies the horizontal positioning of the image.
- `p_relativeFromV` varchar2 default 'paragraph': This element specifies the vertical positioning of the image.
- `p_locked` boolean default false: Lock the image location when an application edits the document.
- `p_layoutInCell` boolean default true: Specifies how image shall behave when its anchor is located in a table cell.
- `p_allowOverlap` boolean default true: Specifies how image shall behave when its anchor is located in a table cell display time shall be allowed to overlap the contents of the other image.
- `p_behindDoc` varchar2 default 'false': Specifies the image to be displayed behind or above of the content.

Return: -

AddSectionP

Type: function

Description: Add section for paragraph.

Version: v2.0.0

Parameters:

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- `p_paragraph_id pls_integer`: Specifies a reference to a previously defined paragraph.
- `p_num number default null`: Specifies the number of columns.
- `p_space number default null`: Specifies the space between the columns.
- `p_type ploffx_document_type.ST_SectionMark`: Specifies the type of the break point.

Return: `pls_integer`: Index of the added section.

AddSectionB

Type: function

Description: Add section for body.

Version: v2.0.0

Parameters:

- `p_paragraph_id pls_integer default null`: Specifies a reference to a previously defined paragraph. If null, then will be create a new paragraph.
- `p_num number default null`: Specifies the number of columns.
- `p_space number default null`: Specifies the space between the columns.
- `p_type ploffx_document_type.ST_SectionMark`: Specifies the type of the break point.

Return: `pls_integer`: Index of the added section.

setSectPrPg

Type: procedure

Description: Set section properties.

Version: v2.0.0

Parameters:

- `p_section_id pls_integer default 0`: Specifies a reference to a previously defined section.
- `p_w plx_sc.normalv2 default null`: Specifies the page width.
- `p_h plx_sc.normalv2 default null`: Specifies the page height.
- `p_orient ploffx_util.t_string default null`: Specifies the page orientation.
- `p_code plx_sc.normalv2 default null`: Specifies a printer-specific paper code.
- `p_bottom plx_sc.normalv2 default null`: Specifies the distance between the bottom of the text margins for the main document and the bottom of the page for all pages in this section.
- `p_footer plx_sc.normalv2 default null`: Specifies the distance from the bottom edge of the page to the bottom edge of the footer.
- `p_gutter plx_sc.normalv2 default null`: Specifies the page gutter for each page in the current section.
- `p_header plx_sc.normalv2 default null`: Specifies the distance from the top edge of the page to the top edge of the header.
- `p_left plx_sc.normalv2 default null`: Specifies the distance between the left edge of the page and the left edge of the text extents for this document
- `p_right plx_sc.normalv2 default null`: Specifies the distance between the right edge of the page and the right edge of the text extents for this document.

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- p_top plx_sc.normalv2 default null : Specifies the distance between the top of the text margins for the main document and the top of the page for all pages in this section.

Return : -

addSectionColumn

Type: procedure

Description : Add section column to a previously created section.

Version: v2.0.0

Parameters :

- p_section_id pls_integer default 0 : Specifies a reference to a previously defined section.
- p_num number : Number of columns.
- p_space number : Space between columns.

Return : -

addPageNumField

Type: function

Description : Add page number to a header or footer paragraph.

Version: v2.0.0

Parameters :

- p_paragraph_id pls_integer : Specifies a reference to a previously defined paragraph. If null, then will be create a new paragraph.
- p_format varchar2 default ' * Arabic ' : Specifies the format of the page number. In default case it use the arabic numbers.

Return : pls_integer : Index of the added page number.

addPageNumField

Type: procedure

Description : Add page number to a header or footer paragraph.

Version: v4.9.4

Parameters :

- p_paragraph_id pls_integer : Specifies a reference to a previously defined paragraph. If null, then will be create a new paragraph.
- p_format varchar2 default ' * Arabic ' : Specifies the format of the page number. In default case it use the arabic numbers.

Return : -

addDateField

Type: function

Description : Add date field to a paragraph.

Version: v2.0.0

Parameters :

- p_paragraph_id pls_integer : Specifies a reference to a previously defined paragraph.
- p_format varchar2 default ' \@ yyyy-MM-dd ' : Specifies the date format.

Return : pls_integer : Index of the added date field.

addDateField

Type: procedure

Description: Add date field to a paragraph.

Version: v4.9.4

Parameters:

- p_paragraph_id pls_integer: Specifies a reference to a previously defined paragraph.
- p_format varchar2 default '@ yyyy-MM-dd': Specifies the date format.

Return: -

addAuthorField

Type: function

Description: Add author field to a previously defined paragraph.

Version: v2.0.0

Parameters:

- p_paragraph_id pls_integer: Specifies a reference to a previously defined paragraph.
- p_format varchar2 default null: Specifies the date format.

Return: pls_integer: Index of the added author field.

addAuthorField

Type: procedure

Description: Add author field to a previously defined paragraph.

Version: v4.9.4

Parameters:

- p_paragraph_id pls_integer: Specifies a reference to a previously defined paragraph.
- p_format varchar2 default null: Specifies the date format.

Return: -

addHyperLink

Type: procedure

Description: Add hyperlink to a previously defined paragraph.

Version: v2.0.0

Parameters:

- p_paragraph_id pls_integer: Specifies a reference to a previously defined paragraph.
- p_text varchar2: The hyperlink text.
- p_url varchar2: The hyperlink URL
- p_bold boolean default null: Bold text.
- p_border plofffx_document_type.CT_Border default null: Specifies hyperlink border.
- p_case varchar2 default null: U(pper)/L(ower)case.
- p_color varchar2 default null: Specifies hyperlink text color.
- p_fitText number default null: Display text in fix width.
- p_highlight varchar2 default null: Specifies highlight color around the text.

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- p_italic boolean default null: Italic text.
- p_vertPosition number default null: Specifies the amount to be raised or lowered the text relation to the default baseline of the
- p_FontName varchar2 default null: Specifies font family
- p_style varchar2 default null: Specifies the text style
- p_spacing number default null: Specifies the character spacing.
- p_strikeout number default null: Strikeout.
- p_FontSize number default null: Specifies the font size.
- p_underline ploffx_document_type.CT_Underline default null: Specifies the underline properties.
- p_vertAlign varchar2 default null: Specifies the vertical alignment of the text.
 - o baseline
 - o subscript
 - o superscript
- p_w number default null: This element specifies the amount by which each character shall be expanded.

Return: pls_integer: The internal index of the hyperlink object.

addHyperLink

Type: function

Description: Add hyperlink to a previously defined paragraph.

Version: v2.0.0

Parameters:

- p_paragraph_id pls_integer: Specifies a reference to a previously defined paragraph.
- p_text varchar2: The hyperlink text.
- p_url varchar2: The hyperlink URL
- p_bold boolean default null: Bold text.
- p_border ploffx_document_type.CT_Border default null: Specifies hyperlink border.
- p_case varchar2 default null: U(pper)/L(ower)case.
- p_color varchar2 default null: Specifies hyperlink text color.
- p_fitText number default null: Display text in fix width.
- p_highlight varchar2 default null: Specifies highlight color around the text.
- p_italic boolean default null: Italic text.
- p_vertPosition number default null: Specifies the amount to be raised or lowered the text relation to the default baseline of the
- p_FontName varchar2 default null: Specifies font family
- p_style varchar2 default null: Specifies the text style
- p_spacing number default null: Specifies the character spacing.
- p_strikeout number default null: Strikeout.
- p_FontSize number default null: Specifies the font size.
- p_underline ploffx_document_type.CT_Underline default null: Specifies the underline properties.
- p_vertAlign varchar2 default null: Specifies the vertical alignment of the text.
 - o baseline
 - o subscript

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- o superscriptp
- p_w number default null: This element specifies the amount by which each character shall be expanded.

addTableOfContent

Type: function

Description: Add table of content to a previously defined paragraph.

Version: v2.0.0

Parameters:

- p_paragraph_id pls_integer: Specifies a reference to a previously defined paragraph.

Return: pls_integer: Index of the added table of content.

addTableOfContent

Type: procedure

Description: Add table of content to a previously defined paragraph.

Version: v4.9.4

Parameters:

- p_paragraph_id pls_integer: Specifies a reference to a previously defined paragraph.

Return: -

addField

Type: function

Description: Add field to a perviously defined paragraph.

Version: v2.0.0

Parameters:

- p_paragraph_id pls_integer: Specifies a reference to a previously defined paragraph.
- p_code varchar2: Specifies the field codes for the simple field.

Return: pls_integer: Index of the added field.

getDoc

Type: procedure

Description: Returns the generated document. The document is closed and then returned.

Version: v2.0.0

Parameters: -

Return: -

parseDoc

Type: Processing docx files.

Description:

Version: v2.0.0

Parameters: -

Return: -

crList

Type: function

Description: Returns the ID of the created list.

Version: v3.0.0

Parameters:

- p_startValue pls_integer default 1: Specifies the starting number for the listing.
- p_symbol XT_NUMBERING default numbering_symbol: Specifies the style of the list.

Return: pls_integer

AddListElement

Type: procedure

Description: Adds an element to a list

Version: v3.0.0

Parameters:

- p_paragraph_id pls_integer: Specifies the paragraph of the element that will be added to the list
- p_level pls_integer default 0: Specifies the level of the element(0-8)
- p_list pls_integer default 1: Specifies the list for the element to be added to.

Return: -

crParagraphBorder

Type: function

Description: Creates a paragraph border

Version: v3.0.0

Parameters:

- p_top ploffx_document_type.CT_Border default null: Specifies the top border of the paragraph
- p_bottom ploffx_document_type.CT_Border default null: Specifies the bottom border of the paragraph
- p_left ploffx_document_type.CT_Border default null: Specifies the left border of the paragraph
- p_right ploffx_document_type.CT_Border default null: Specifies the right border of the paragraph

Return: ploffx_document_type.CT_PBdr: Returns a paragraph border which can be passed to crParagraph function

crBorder

Type: function

Description: Creates a paragraph border

Version: v3.0.0

Parameters:

- p_style ploffx_document_type.ST_Border default null: Specifies the style of the border
- p_color ploffx_document_type.ST_HexColor default null: Specifies the color

of the border

- p_width number default null : Specifies the width of the border in points
- p_spacing number default null : Specifies the spacing between the border and the area
- p_shadow boolean default null : Specifies the border has shadow
- p_frame boolean default null : Specifies the border has frame

Return : ploffx_document_type.CT_Border : Returns a border which can be passed to crParagraphBorder function or AddText procedure

crIndentation

Type: function

Description : Creates an indentation

Version: v3.0.0

Parameters :

- p_left number default null : Specifies the left indentation of the paragraph in units
- p_right number default null : Specifies the right indentation of the paragraph in units
- p_hanging number default null : Specifies the hanging indentation in units
- p_firstLine number default null : Specifies the indentation of the first of the paragraph in units

Return : ploffx_document_type.CT_PBdr : Returns an indentation which can be passed to crParagraph function

crSpacing

Type: function

Description : Creates a paragraph spacing

Version: v3.0.0

Parameters :

- p_before number default null : Specifies the spacing before the paragraph in points
- p_after number default null : Specifies the spacing after the paragraph in points
- p_linespace number default null : Specifies the line spacing of the paragraph in lines

Return : ploffx_document_type.CT_Spacing : Returns a paragraph spacing which can be passed to crParagraph function

crCellBorder

Type: function

Description : Creates a table cell border

Version: v3.5.0

Parameters :

- p_top ploffx_document_type.CT_Border default null : Specifies the top side border
- p_bottom ploffx_document_type.CT_Border default null : Specifies the bottom side border
- p_left ploffx_document_type.CT_Border default null : Specifies the left side

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border

- p_right ploffx_document_type.CT_Border default null : Specifies the right side border

Return : ploffx_document_type.CT_TcBorders : Returns a border which can be passed to crCell function

getDocument

Type: function

Description : Get the full docx document structure.

Version: v3.6.0

Parameters : -

Return : -

crUnderline

Type: function

Description : Create underline line type.

Version: v3.6.0

Parameters :

- p_type ploffx_document_type.ST_Underline : Create underline type.

Return : ploffx_document_type.CT_Underline : Return a line type which using to underline.

AddToHeader

Type: procedure

Description : Add an existing element to the document header.

Version: v3.0.0

Parameters :

- p_header ploffx_document_type.ST_HdrFtr default
ploffx_document_type.c_default_hfr : Specifies the header type
- p_element_id pls_integer : Specifies the element id.

Return : -

AddToFooter

Type: procedure

Description : Add an existing element to the document footer.

Version: v3.0.0

Parameters :

- p_footer ploffx_document_type.ST_HdrFtr default
ploffx_document_type.c_default_hfr : Specifies the header type
- p_element_id pls_integer : Specifies the element id.

Return : -