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User's Guide
v5.0

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Introduction

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

Installation

Before using PL/PDF, make sure that the steps described in the Installation Guide were completed.

Using PL/PDF

Essentially, PL/PDF is a series of calls to PL/PDF 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.

Documentation

The PL/PDF documentation is available at: http://www.plpdf.com/downloads

Code Examples

PL/PDF code examples can be found at: http://plpdf.com/index.php/support/examples/

Contact

Contact us at: mailto:info@plpdf.com

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Certification

GetCertKey

    <u>Type</u>: Function

    <u>Description</u> : Generates preliminary certification key.This function should be run once when the PL/PDF package is installed. The function generates a stringthat should be sent to mailto:info@plpdf.com . Our representatives will send a certificate key back that shouldbe used as the return value in the pl_pdf_cert.SetCertKey function.

    <u>Version</u>: v3.0.0

    <u>Parameters</u> : –

    <u>Return</u> : varchar2 : Preliminary certificate key

checkCertKey

    <u>Type</u>: Function

    <u>Description</u> : Checks the certification key.

```
Usage:
declare
l_ret boolean;
begin
l_ret := plpdf.checkCertKey;
if l_ret then
dbms_output.put_line('true');
else
dbms_output.put_line('false');
end if;
end;
```

    <u>Version</u>: v3.0.0

    <u>Parameters</u> : –

    <u>Return</u> : boolean : validity of the key

getLicencedProductsV4

    <u>Type</u>: Function

    <u>Description</u> : This function returns with licence informations as a string.

    <u>Version</u>: v4.1.0

    <u>Parameters</u> : –

    <u>Return</u> : varchar2 : Licence

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Administrative commands

AddCJKFont

<u>Type</u>: Procedure
<u>Description</u>: Add CJK (Chinese/Japanese/Korean) font.
<u>Version</u>: v3.0.0
<u>Parameters</u>:
  - p_name varchar2: name of font
    o japanese: 'HeiseiKakuGo-W5'
    o korean: 'HYSMyeongJoStd-Medium-Acro'
    o chinese: 'MSungStd-Light-Acro', 'STSongStd-Light-Acro'
<u>Return</u>: -

AddTTF

<u>Type</u>: Procedure
<u>Description</u>: Imports a TTF (True Type Font). The imported font becomes
   available to the SetPrintFont procedure.The font is stored as binary data in
   the PDF file.
<u>Version</u>: v3.0.0
<u>Parameters</u>:
  - p_family varchar2: TTF name
  - p_style varchar2 default null: Font style
    o null: Regular
    o B: Bold
    o I: Italic
    o BI or IB: Bold and Italic
  - p_data t_addfont: Data structure necessary to insert the font. It contains
       the font definition binary file as well
  - p_embed boolean default true: PDF containts TTF binary file or not
<u>Return</u>: -

init

<u>Type</u>: Procedure
<u>Description</u>: Initializes generator program variables.
<u>Version</u>: v3.0.0
<u>Parameters</u>:
  - p_orientation varchar2 default 'P': Orientation
    o P: portrait
    o L: landscape
  - p_unit varchar2 default 'mm': Unit of measure
  - p_format varchar2 default 'A4': Page format
<u>Return</u>: -

init1

<u>Type</u>: Procedure

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Description : Initializes generator program variables.

Version: v3.0.0

Parameters :

- p_orientation varchar2 default 'P' : Orientation
  o P: portrait
  o L: landscape
- p_unit varchar2 default 'mm' : Unit of measure
- p_format plpdf_type.t_pageformat : see plpdf_const package for predefined pageformats

Return : -

getVersion

Type: Function

Description : Gets the version number of pl/pldf package.

Version: v3.0.0

Parameters : -

Return : varchar2 : number of current version

setRotatePages

Type: Procedure

Description : Sets the degree of rotation for all pages. The value must be a multiple of 90.

Version: v3.0.0

Parameters :

- p_angle number default 0 : Angle/degree of rotation

Return : -

sendDoc

Type: Procedure

Description : Returns the generated PDF document. The document is closed and then returned in the OUT parameter.

Version: v4.8.3

Parameters :

- p_blob out nocopy blob : the generated document
- p_freetemp boolean default true : frees the temporary BLOB variable of the PDF file in your default temporary tablespace

Return : -

setAllMargin

Type: Procedure

Description : Sets the margin size.

Version: v3.0.0

Parameters :

- p_left number : Left margin size
- p_top number : Top margin size
- p_right number default null : Right margin size. If null then the right margin will be the same as the left margin

<u>Return</u> : -

setAutoNewPage

<u>Type</u>: Procedure

<u>Description</u> : Enables or disables automatic page breaks. The p_margin parameter isonly relevant when enabling automatic page breaks. It sets the bottommargin size under which an automatic page break is triggered.

<u>Version</u>: v3.0.0

<u>Parameters</u> :

  - p_auto boolean default true : Automatic page break

    o true: Enable

    o false: Disable

  - p_margin number default 0 : Bottom margin size, if not set, then 1 cm

<u>Return</u> : -

setNOCompress

<u>Type</u>: Procedure

<u>Description</u> : Disables the compression of PDF documents. By default compression is enabled.

<u>Version</u>: v3.0.0

<u>Return</u> : -

setDocAuthor

<u>Type</u>: Procedure

<u>Description</u> : Sets the document author.

<u>Version</u>: v3.0.0

<u>Parameters</u> :

  - p_author varchar2 : Document author

<u>Return</u> : -

setDocCreator

<u>Type</u>: Procedure

<u>Description</u> : Sets the document creator.

<u>Version</u>: v3.0.0

<u>Parameters</u> :

  - p_creator varchar2 : Document creator

<u>Return</u> : -

setDocDisplayMode

<u>Type</u>: Procedure

<u>Description</u> : Sets how to display the document in a PDF viewer (e.g. Acrobat Reader).

<u>Version</u>: v3.0.0

<u>Parameters</u> :

  - p_zoom varchar2 : Layout view

    o fullpage: fits as full page

o fullwidth: fits as full width

o real: fits in actual size

o default: displays according to the setting of the PDF viewer

- p_layout varchar2 default 'continuous': Page layout

o single: displays single pages

o continuous: displays pages continuously

o default: displays according to the setting of the PDF viewer

- p_hidemenubar boolean default false: A flag specifying whether to hide the viewer application's menu bar when the document is active.
- p_hidetoolbar boolean default false: A flag specifying whether to hide the viewer application's tool bars when the document is active.
- p_hidewindowui boolean default false: A flag specifying whether to hide user interface elements in the document's window (such as scrollbars and navigation controls), leaving only the document's contents displayed.
- p_displaydoctitle boolean default false: A flag specifying whether the window's title bar should display the document title taken from the Title entry of the document information dictionary.
- p_centerwindow boolean default false: A flag specifying whether to position the document's window in the center of the screen.
- p_fitwindow boolean default false: A flag specifying whether to resize the document's window to fit the size of the first displayed page.

Return: -

setDocKeywords

Type: Procedure

Description: Sets the document keywords.

Version: v3.0.0

Parameters:

- p_keywords varchar2: Keyword list

Return: -

setDocSubject

Type: Procedure

Description: Sets the document subject.

Version: v3.0.0

Parameters:

- p_subject varchar2: Document subject

Return: -

SetDocTitle

Type: Procedure

Description: Sets the document title.

Version: v3.0.0

Parameters:

- p_title varchar2: Document title

Return: -

setEncoding

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Type: Procedure

Description: Sets Adobe Core character encoding (default code is cp1252).

Version: v3.0.0

Parameters:

  - p_enc varchar2: Character encoding code
   o cp1250
   o cp1251
   o cp1252: this is the default, no need to set
   o cp1253
   o cp1254
   o cp1255
   o cp1256
   o cp1257
   o cp1258
   o cp874
   o iso-8859-1
   o iso-8859-2
   o iso-8859-4
   o iso-8859-5
   o iso-8859-7
   o iso-8859-9
   o iso-8859-15
   o iso-8859-16
   o utf16: AL32UTF8 database with unicode TTF embending

Return: -

setHeaderProcName

Type: Procedure

Description: Sets the page header procedure name. The program name passedas a parameter executes when the page header is created. IfSetHeaderProcName is not executed before a page header is created thenthe page header will be empty.

Version: v3.0.0

Parameters:

  - p_proc_name varchar2: Page header procedure name
  - p_height number: height of header section

Return: -

setHeaderProcName5

Type: Procedure

Description: Sets the page header procedure name with 5 parameters. The program name passedas a parameter executes when the page header is created. IfSetHeaderProcName is not executed before a page header is created thenthe page header will be empty.

Version: v3.0.0

Parameters:

  - p_proc_name varchar2: Page header procedure name
  - p_height number: height of header section
  - p_1 varchar2 default null: parameter of header procedure

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    - p_2 varchar2 default null : parameter of header procedure
    - p_3 varchar2 default null : parameter of header procedure
    - p_4 varchar2 default null : parameter of header procedure
    - p_5 varchar2 default null : parameter of header procedure
Return : -

set3HeaderProcName

Type: Procedure
Description : Sets the page header procedure names. The program name passed as a parameter executes when the page header is created.
Version: v3.0.1
Parameters :
    - p_default_proc_name varchar2 default null : Specifies that this header shall appear on every page in this section which is not overridden with a specific even or first page header.
    - p_first_proc_name varchar2 default null : Specifies that this header shall appear on the first page in this document.
    - p_even_proc_name varchar2 default null : Specifies that this header shall appear on all even numbered pages in this document.
    - p_height number : height of header section
Return : -

setFooterProcName

Type: Procedure
Description : Sets the page footer procedure name. The program name passed as a parameterexecutes when the page footer is created. If SetFooterProcName is not executedbefore a page footer is created then the page footer will be empty.
Version: v3.0.0
Parameters :
    - p_proc_name varchar2 : Page header procedure name
    - p_height number : height of header section
Return : -

setFooterProcName5

Type: Procedure
Description : Sets the page footer procedure name with 5 parameters. The program name passed as a parameterexecutes when the page footer is created. If SetFooterProcName is not executedbefore a page footer is created then the page footer will be empty.
Version: v3.0.0
Parameters :
    - p_proc_name varchar2 : Page header procedure name
    - p_height number : height of header section
    - p_1 varchar2 default null : parameter of footer procedure
    - p_2 varchar2 default null : parameter of footer procedure
    - p_3 varchar2 default null : parameter of footer procedure
    - p_4 varchar2 default null : parameter of footer procedure

- p_5 varchar2 default null : parameter of footer procedure

Return : -

set3FooterProcName

Type: Procedure
Description : Sets the page footer procedure names. The program name passed as a parameter executes when the page footer is created.
Version: v3.0.1
Parameters :
- p_default_proc_name varchar2 default null : Specifies that this footer shall appear on every page in this section which is not overridden with a specific even or first page footer.
- p_first_proc_name varchar2 default null : Specifies that this footer shall appear on the first page in this document.
- p_even_proc_name varchar2 default null : Specifies that this footer shall appear on all even numbered pages in this document.
- p_height number : height of header section

Return : -

setBackgroundColor

Type: Procedure
Description : Sets the background color of the pages
Version: v3.0.0
Parameters :
- p_color plpdf_type.t_color : The color of the background

Return : -

SetWatermarkProcName

Type: Procedure
Description : Sets the name of the watermark creator procedure
Version: v3.0.0
Parameters :
- p_proc_name varchar2 : The name of the procedure

Return : -

SetStampProcName

Type: Procedure
Description : Sets the name of the stamp creator procedure
Version: v3.0.0
Parameters :
- p_proc_name varchar2 : The name of the procedure

Return : -

setNewPageProcName

Type: Procedure
Description : Sets the new page procedure name. The program name passedas a

parameter executes when the page is started.

Version: v4.4.0

Parameters :

  - p_proc_name varchar2 : New Page procedure name

  - p_height number : height of this section

Return : -

setLeftMargin

Type: Procedure

Description : Sets the left margin size.

Version: v3.0.0

Parameters :

  - p_margin number : Margin size

Return : -

setTopMargin

Type: Procedure

Description : Sets the top margin size.

Version: v3.0.0

Parameters :

  - p_margin number : Margin size

Return : -

setRightMargin

Type: Procedure

Description : Sets the right margin size.

Version: v3.0.0

Parameters :

  - p_margin number : Margin size

Return : -

setBottomMargin

Type: Procedure

Description : Sets the bottom margin size with autonewpage.

Version: v3.6.0

Parameters :

  - p_margin number : Margin size

Return : -

setNOLastpageProcName

Type: Procedure

Description : Sets the not last page procedure name. The program name passed as a parameterexecutes when the not last page closed.

Version: v3.0.0

Parameters :

  - p_proc_name varchar2 : Procedure name

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Return : -

SetPageNoStart

Type: Procedure
Description : Sets start of page numbering to the current page.
Version: v3.2.0
Parameters :
  - p_start_num pls_integer default null : The start of the numbering, null
      means 1
Return : -

SetPageNoEnd

Type: Procedure
Description : Sets end of page numbering to the current page, see SetPageNoStar
  t .
Version: v3.0.0
Parameters : -
Return : -

getPageNoAlter

Type: Function
Description : Gets page altering flag, see SetPageNoStart .
Version: v3.0.0
Parameters : -
Return : boolean : Altered or not

SetProtection

Type: Procedure
Description : Allows to protect the PDF document.
Version: v3.0.0
Parameters :
  - p_print_perm Boolean default false : print the PDF
  - p_modify_perm Boolean default false : modify the PDF
  - p_annot_forms_perm Boolean default false : add annotations and forms
  - p_user_pass varchar2 default null : user password
  - p_owner_pass varchar2 default null : owner password
Return : -

setPDFA1B

Type: Procedure
Description : Set PDF/A-1B support.
Version: v3.0.0
Parameters : -
Return : -

setID

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<u>Type</u>: Procedure

<u>Description</u> : Sets the internal identifier of the PDF file. ID format is a 32 characters length hex string,possible generator is the "rawtohex(SYS_GUID())" expression.

<u>Version</u>: v3.0.0

<u>Parameters</u> :

- p_id varchar2 : ID value

<u>Return</u> : -

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Navigations and formatting commands

checkPageBreak

    <u>Type</u>: Function

    <u>Description</u>: If the height would cause an overflow, add a new page immediately, and return true.

    <u>Version</u>: v3.0.0

    <u>Parameters</u>:

      - p_h number: height for check page overflow

      - p_newpage boolean default true: do NewPage procedure

    <u>Return</u>: boolean

      o true: overflow is reached

      o false: don't reach overflow

getCurrPageNum

    <u>Type</u>: Function

    <u>Description</u>: Returns the page number of the current page.

    <u>Version</u>: v3.0.0

    <u>Parameters</u>: -

    <u>Return</u>: pls_integer: Page number of the current page

getNumOfPages

    <u>Type</u>: Function

    <u>Description</u>: Returns the number of pages, this procedure works in header and footer procedures only.

    <u>Version</u>: v3.0.0

    <u>Parameters</u>: -

    <u>Return</u>: pls_integer: Number of pages

getLeftMargin

    <u>Type</u>: Function

    <u>Description</u>: Gets the page left margin size.

    <u>Version</u>: v3.0.0

    <u>Parameters</u>: -

    <u>Return</u>: number: Size of left margin

getRightMargin

    <u>Type</u>: Function

    <u>Description</u>: Gets the page right margin size.

    <u>Version</u>: v3.0.0

    <u>Parameters</u>: -

    <u>Return</u>: number: Size of right margin

getTopMargin

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Type: Function
Description: Gets the page top margin size.
Version: v3.0.0
Parameters: -
Return: number: Size of top margin

getBottomMargin

Type: Function
Description: Gets the page bottom margin size.
Version: v3.0.0
Parameters: -
Return: number: Size of bottom margin

getHeaderHeight

Type: Function
Description: Gets the page header size.
Version: v3.0.0
Parameters: -
Return: number: Size of header

getFooterHeight

Type: Function
Description: Gets the page footer size.
Version: v3.0.0
Parameters: -
Return: number: Size of footer

getCurrentX

Type: Function
Description: Gets the X coordinate of the cursor.
Version: v3.0.0
Parameters: -
Return: number: X coordinate

getCurrentY

Type: Function
Description: Gets the Y coordinate of the cursor.
Version: v3.0.0
Parameters: -
Return: number: Y coordinate

getPageAvailableHeight

Type: Function
Description: Gets the available height (without margins) of actual page.
Version: v3.0.0

Parameters: -
Return: number : Available height

getPageAvailableWidth

Type: Function
Description: Gets the available width (without margins) of actual page.
Version: v3.0.0
Parameters: -
Return: number : Available width

getPageHeight

Type: Function
Description: Gets the height of actual page.
Version: v3.0.0
Parameters: -
Return: number : The height of the page

getPageRightSpace

Type: Function
Description: Gets the available width (without margins) of actual page from current position.
Version: v3.0.0
Parameters: -
Return: number : Actual page available space

getPageLeftSpace

Type: Function
Description: Gets the available width (without margins) of actual page from current position.
Version: v3.0.0
Parameters: -
Return: number : Actual page available space

getPageSpace

Type: Function
Description: Gets the available width (without margins) of actual page from current position.
Version: v3.0.0
Parameters: -
Return: number : Actual page available space

getPageWidth

Type: Function
Description: Gets the width of actual page.
Version: v3.0.0

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Parameters : -
Return : number : Actual page width

getPageBottomSpace

Type: Function
Description : Gets the available height (without margins) of actual page from
    current position.
Version: v3.0.0
Parameters : -
Return : number : Actual page bottom space

getPrintFontKey

Type: Function
Description : Get the current font name and style. See SetPrintFont .
Version: v3.0.0
Parameters : -
Return : varchar2 : Font type

getPrintFontName

Type: Function
Description : Get the current font type. See SetPrintFont .
Version: v3.0.0
Parameters : -
Return : varchar2 : Font type

getPrintFontStyle

Type: Function
Description : Get the current font style. See SetPrintFont
Version: v3.0.0
Parameters : -
Return : varchar2 : Font style

getPrintFontSize

Type: Function
Description : Get the current font size. See SetPrintFont
Version: v3.0.0
Parameters : -
Return : varchar2 : Font size

getScaleFactor

Type: Function
Description : Get the current scale factor.
Version: v3.0.0
Parameters : -
Return : number : scale factor

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getTextWidth

Type: Function
Description: Returns the width of the parameter text (uses current font).
Version: v3.0.0
Parameters:
  - p_s varchar2: Text
Return: number: The width of the text in the unit of measure specified in Init

getTextwidthFont

Type: Function
Description: Returns the width of the parameter text, font is a parameter too.
Version: v3.0.0
Parameters:
  - p_family varchar2 default null: Font type, null means current font family
    o Helvetica (Arial, Sans Serif)
    o Courier
    o Times (Serif)
    o Symbol
    o ZapfDingBats
    o If TTF fonts were added using the AddTTF procedure then they may be used
    here as well.
  - p_style varchar2 default null: Font style
    o null: Regular
    o B: Bold
    o I: Italic
    o U: Underline
    o The styles may be combined (i.e. BI will be Bold and Italic)
  - p_size number default null: Font size, null means current font size
  - p_s varchar2: Text
Return: number: The width of the text in the unit of measure specified in Init

removeMissingChars

Type: Function
Description: Remove unknown characters from text (uses current font).
Version: v3.0.0
Parameters:
  - p_s varchar2: Text
Return: varchar2: The text without missing characters

insertMovePage

Type: Procedure
Description: Insert a new page and move it by changing order of pages.
Version: v3.0.0
Parameters:
  - p_orig_pos number: origin page position
  - p_new_pos number: new page position
Return: -

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NewPage

> <u>Type</u>: Procedure
>
> <u>Description</u>: Creates a new page. If no orientation is given then the orientation specified in Initwill be used. If a page was previously open, a page break is initiated and thecursor is placed at the top left corner of the new page.
>
> <u>Version</u>: v3.0.0
>
> <u>Parameters</u>:
>   - p_orientation varchar2 default NULL: Page orientation
>   o P: Portrait
>   o L: Landscape
> <u>Return</u>: -

SetNoPrintFooter

> <u>Type</u>: Procedure
>
> <u>Description</u>: Disables the footer on the specified page.
>
> <u>Version</u>: v3.0.0
>
> <u>Parameters</u>:
>   - p_page pls_integer default null: Page number
> <u>Return</u>: -

setNoPrintHeader

> <u>Type</u>: Procedure
>
> <u>Description</u>: Disables the header on the specified page.
>
> <u>Version</u>: v4.9.6
>
> <u>Parameters</u>:
>   - p_page pls_integer default null: Page number
> <u>Return</u>: -

setCurrentX

> <u>Type</u>: Procedure
>
> <u>Description</u>: Places the cursor at the X coordinate.
>
> <u>Version</u>: v3.0.0
>
> <u>Parameters</u>:
>   - p_x number default 0: X coordinate
> <u>Return</u>: -

setCurrentY

> <u>Type</u>: Procedure
>
> <u>Description</u>: Places the cursor at the Y coordinate and reset X.
>
> <u>Version</u>: v3.0.0
>
> <u>Parameters</u>:
>   - p_y number default 0: Y coordinate
>   - p_cr boolean default true: X position returns to beginning of line
> <u>Return</u>: -

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setCurrentXY

    <u>Type</u>: Procedure

    <u>Description</u>: Places the cursor at the X and Y coordinate.

    <u>Version</u>: v3.0.0

    <u>Parameters</u>:

      - p_x number default 0 : X coordinate

      - p_y number default 0 : Y coordinate

    <u>Return</u>: -

NewLine

    <u>Type</u>: Procedure

    <u>Description</u>: Line break. Cursor is placed at the start of the next line.

    <u>Version</u>: v3.0.0

    <u>Parameters</u>:

      - p_h number default 0 : Height of the line break.

    <u>Return</u>: -

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Content Related Commands

AttachFile

    <u>Type</u>: Procedure

    <u>Description</u> : Attachs a file to the PDF document.

    <u>Version</u>: v3.0.0

    <u>Parameters</u> :

      - p_filename varchar2 : name of file

      - p_fileblob blob : file

      - p_desc varchar2 default null : description of file

    <u>Return</u> : -

crBookmark

    <u>Type</u>: Procedure

    <u>Description</u> : Create a bookmark in the PDF document. Bookmarks are displayed in the PDF viewer program (e.g. Acrobat Reader).

    <u>Version</u>: v3.0.0

    <u>Parameters</u> :

      - p_txt varchar2 : Text of the bookmark

      - p_level number default 0 : Bookmark level, 0 is the highest level

      - p_y number default null : Y coordinate of the bookmark within the current page. Null denotes the cursor position.

    <u>Return</u> : -

PrintoutText

    <u>Type</u>: Procedure

    <u>Description</u> : Prints a text starting from the specified position.

    <u>Version</u>: v3.0.0

    <u>Parameters</u> :

      - p_x number : X coordinate for the start of the text

      - p_y number default null : Y coordinate for the start of the text

      - p_txt varchar2 : Text

    <u>Return</u> : -

Circle

    <u>Type</u>: Procedure

    <u>Description</u> : Draws a cirle on the current page.

    <u>Version</u>: v3.0.1

    <u>Parameters</u> :

      - p_x number : X coordinate of the center of the circle

      - p_y number : Y coordinate of the center of the circle

      - p_r number : the radius of the circle

      - p_draw boolean default true : frame drawing

      - p_fill boolean default false : filling

      - p_draw_color plpdf_type.t_color default null : frame drawing color

 - p_fill_color plpdf_type.t_color default null : filling color
 - p_linewidth number default null : The width of the frame line of the rectangle
 - p_fill_pattern varchar2 default null : The filling pattern

Return : -

Ellipse

Type: Procedure
Description : Draws an ellipse on the current page.
Version: v3.0.1
Parameters :
 - p_x number : X coordinate of the center of the ellipse
 - p_y number : Y coordinate of the center of the ellipse
 - p_rx number : horizontal radius of the ellipse
 - p_ry number : vertical radius of the ellipse
 - p_draw boolean default true : frame drawing
 - p_fill boolean default false : filling
 - p_draw_color plpdf_type.t_color default null : frame drawing color
 - p_fill_color plpdf_type.t_color default null : filling color
 - p_linewidth number default null : The width of the frame line of the rectangle
 - p_fill_pattern varchar2 default null : The filling pattern

Return : -

Line

Type: Procedure
Description : Draws a line between the two positions on the page.
Version: v3.0.0
Parameters :
 - p_x1 number : X coordinate for the start of the line
 - p_y1 number : Y coordinate for the start of the line
 - p_x2 number : X coordinate for the end of the line
 - p_y2 number : Y coordinate for the end of the line
 - p_color plpdf_type.t_color default null : color of the line
 - p_width number default null : width of the line

Return : -

Polygon

Type: Procedure
Description : Draws a lines (polygon) between the points on the page.
Version: v3.0.1
Parameters :
 - p_points plpdf_type.t_points : set of ordered points
 - p_draw boolean default true : frame drawing
 - p_fill boolean default false : filling
 - p_draw_color plpdf_type.t_color default null : frame drawing color
 - p_fill_color plpdf_type.t_color default null : filling color
 - p_linewidth number default null : The width of the frame line of the

<pre>   rectangle</pre>
   - p_fill_pattern varchar2 default null : The filling pattern

<u>Return</u> : -

Path

<u>Type</u>: Procedure
<u>Description</u> : Draws a lines between the points on the page.
<u>Version</u>: v3.6.0
<u>Parameters</u> :
   - p_operators plpdf_type.t_path_operators : set of ordered operators defined
        in the PDF Reference. Supported Operators: m,l,c,v,y,h,re
   - p_draw boolean default true : frame drawing
   - p_fill boolean default false : filling
   - p_draw_color plpdf_type.t_color default null : frame drawing color
   - p_fill_color plpdf_type.t_color default null : filling color
   - p_linewidth number default null : The width of the frame line of the
        rectangle
   - p_fill_pattern varchar2 default null : The filling pattern

<u>Return</u> : -

Rect

<u>Type</u>: Procedure
<u>Description</u> : Draws a rectangle on the page.
<u>Version</u>: v3.0.0
<u>Parameters</u> :
   - p_x number : X coordinate for the top left corner of the rectangle
   - p_y number : Y coordinate for the top left corner of the rectangle
   - p_w number : The width of the rectangle
   - p_h number : The height of the rectangle
   - p_draw boolean default true : frame drawing
   - p_fill boolean default false : filling
   - p_draw_color plpdf_type.t_color default null : frame drawing color
   - p_fill_color plpdf_type.t_color default null : filling color
   - p_linewidth number default null : The width of the frame line of the
        rectangle
   - p_fill_pattern varchar2 default null : The filling pattern

<u>Return</u> : -

RoundedRect

<u>Type</u>: Procedure
<u>Description</u> : Draws a rectangle on the page.
<u>Version</u>: v3.0.1
<u>Parameters</u> :
   - p_x number : X coordinate for the top left corner of the rectangle
   - p_y number : Y coordinate for the top left corner of the rectangle
   - p_w number : The width of the rectangle
   - p_h number : The height of the rectangle
   - p_r number : The radius of the corners

- p_draw boolean default true : frame drawing
- p_fill boolean default false : filling
- p_draw_color plpdf_type.t_color default null : frame drawing color
- p_fill_color plpdf_type.t_color default null : filling color
- p_linewidth number default null : The width of the frame line of the rectangle
- p_fill_pattern varchar2 default null : The filling pattern

Return : -

Sector

Type: Procedure
Description : Draws a sector on the current page.
Version: v3.0.1
Parameters :
- p_xc number : X coordinate of the center of the sector
- p_yc number : Y coordinate of the center of the sector
- p_r number : Radius of the sector
- p_a number : Starting point of the sector
- p_b number : End point of the sector
- p_draw boolean default true : frame drawing
- p_fill boolean default false : filling
- p_draw_color plpdf_type.t_color default null : frame drawing color
- p_fill_color plpdf_type.t_color default null : filling color
- p_linewidth number default null : The width of the frame line of the rectangle
- p_fill_pattern varchar2 default null : The filling pattern
- p_cw boolean default true : Draw direction
  o true: Clockwise
  o false: Anti-clockwise
- p_o number default 90 : origin of angles

Return : -

EndOpacity

Type: Procedure
Description : End a transparency. See StartOpacity
Version: v3.0.0
Parameters : -
Return : -

EndOptCont

Type: Procedure
Description : End an optional content. See link StartOptCont
Version: v3.0.0
Parameters : -
Return : -

putImage

PL/PDF

Type: Procedure

Description : Inserts an image (JPG, BMP, PNG, etc.) from a BLOB variable into the current page.

Version: v3.0.1

Parameters :

- p_name varchar2 : Image name or ID, if the name is equal with an earlier used image name then procedure reuses the original blob
- p_data blob : Variable containing the image as binary data
- p_x number : X coordinate of the image
- p_y number : Y coordinate of the image
- p_w number default null : Image width, if null then the image is displayed in its actual width
- p_h number default null : Image height, if null then the image is displayed in its actual height
- p_link varchar2 default NULL : URL or internal link ID

Return : -

putImage

Type: Procedure

Description : Inserts an image (JPG, BMP, PNG, etc.) from a BLOB variable into the current page.

Version: v3.0.1

Parameters :

- p_name varchar2 : The name is an earlier used image name and procedure reuse this image blob.
- p_x number : X coordinate of the image
- p_y number : Y coordinate of the image
- p_w number default null : Image width, if null then the image is displayed in its actual width
- p_h number default null : Image height, if null then the image is displayed in its actual height
- p_link varchar2 default NULL : URL or internal link ID

Return : -

putImage

Type: Procedure

Description : Inserts an image (JPG, BMP, PNG, etc.) from a BLOB variable into the current page.

Version: v3.0.1

Parameters :

- p_data blob : Variable containing the image as binary data
- p_x number : X coordinate of the image
- p_y number : Y coordinate of the image
- p_w number default null : Image width, if null then the image is displayed in its actual width
- p_h number default null : Image height, if null then the image is displayed in its actual height
- p_link varchar2 default NULL : URL or internal link ID

Return : -

PL/PDF

putInternalLink

<u>Type</u>: Procedure

<u>Description</u>: Puts a link area on the page that point to an internal link.

<u>Version</u>: v3.0.0

<u>Parameters</u>:
- p_x number : X coordinate of the top left corner of the area
- p_y number : Y coordinate of the top left corner of the area
- p_w number : Link area width
- p_h number : Link area height
- p_link pls_integer : Internal link ID returned by crInternalLinkDest

<u>Return</u>: -

putExternalLink

<u>Type</u>: Procedure

<u>Description</u>: Puts a link area on the page that point to an external link.

<u>Version</u>: v3.0.0

<u>Parameters</u>:
- p_x number : X coordinate of the top left corner of the area
- p_y number : Y coordinate of the top left corner of the area
- p_w number : Link area width
- p_h number : Link area height
- p_link varchar2 : External link

<u>Return</u>: -

putLink

<u>Type</u>: Procedure

<u>Description</u>: Puts a link area on the page that point to an external link. If p_link is a number then internal if string then external link.

<u>Version</u>: v3.0.0

<u>Parameters</u>:
- p_x number : X coordinate of the top left corner of the area
- p_y number : Y coordinate of the top left corner of the area
- p_w number : Link area width
- p_h number : Link area height
- p_link varchar2 : Identification of the link

<u>Return</u>: -

setStrokingColor

<u>Type</u>: Procedure

<u>Description</u>: Sets the color for stroking operation. Colors must be specified according to the RGB pallet.

<u>Version</u>: v3.0.0

<u>Parameters</u>:
- p_color plpdf_type.t_color : color

<u>Return</u>: -

setNonStrokingColor

PL/PDF

Type: Procedure

Description: Sets the color for non stroking operation. Colors must be specified according to the RGB pallet.

Version: v3.0.0

Parameters:

  - p_color plpdf_type.t_color: color

Return: -

addJavaScript

Type: Procedure

Description: Add JavaScript inside the PDF. See Acrobat JavaScript Reference.

Version: v3.0.0

Parameters:

  - p_name varchar2: Name of the script

  - p_text varchar2: The script

Return: -

LineWidth

Type: Procedure

Description: Sets the thickness of lines drawn after this statement.

Version: v3.0.0

Parameters:

  - p_width number: Line thickness

Return: -

crInternalLink

Type: Function

Description: Creates an internal link, and returns its ID. An internal link can be usedto take the cursor to another place within the document by clicking over it.

Version: v3.0.0

Parameters: -

Return: number: The ID of the internal link

setLinkDest

Type: Procedure

Description: Sets the destination page and position for the internal link.

Version: v3.0.0

Parameters:

  - p_link number: Internal link ID returned by CrInternalLink

  - p_y number default 0: Y position on the page, if null then the current Y coordinate, if 0 then the top of the page

  - p_page number default null: Page number, if null then the current page

Return: -

crInternalLinkDest

PL/PDF

Type: Function

Description : Create the destination page and position for the internal link.

Version: v3.0.0

Parameters :

- p_page pls_integer default null : Page number, if null then the current page
- p_y number default null : Y position on the page, if null then the current Y coordinate, if 0 then the top of the page

Return : Internal link ID

setPrintFont

Type: Procedure

Description : Sets the font and its properties.

Version: v3.0.0

Parameters :

- p_family varchar2 default NULL : Font type
  - o Helvetica (Arial, Sans Serif)
  - o Courier
  - o Times (Serif)
  - o Symbol
  - o ZapfDingBats
  - o If TTF fonts were added using the AddTTF procedure then they may be used here as well.
- p_style varchar2 default NULL : Font style
  - o null: Regular
  - o B: Bold
  - o I: Italic
  - o U: Underline
  - o The styles may be combined (i.e. BI will be Bold and Italic)
- p_size number default null : Font size, null means the current size. If no size has been specified then value is 12.

Return : -

setPrintFontSize

Type: Procedure

Description : Sets the font size. All other font properties remain unchanged.

Version: v3.0.0

Parameters :

- p_size number : Font size

Return : -

setRotate

Type: Procedure

Description : Sets the degree of rotation. Text and images can both be rotated.

Version: v3.0.0

Parameters :

- p_angle number : Angle/degree of rotation
- p_x number default null : X coordinate of the rotation point, if null then the X coordinate of the cursor

- p_y number default null : Y coordinate of the rotation point, if null then the Y coordinate of the cursor

Return : -

startClipping

Type : Procedure

Description : Starts a clipping frame. The clipping limits the region that can be paint. The clipping affects forobjects wich located between StartClipping and EndClipping.

Version : v3.0.0

Parameters :

- p_x number : X coordinate for the start of the clipping frame
- p_y number : Y coordinate for the start of the clipping frame
- p_w number : height of clipping frame
- p_h number : width of clipping frame

Return : -

EndClipping

Type : Procedure

Description : End a cliping frame. See StartClipping

Version : v3.0.0

Parameters : -

Return : -

isInClipping

Type : Function

Description : Get the state of clipping.

Version : v3.0.0

Parameters : -

Return : boolean : in clipping or not

startOpacity

Type : Procedure

Description : Starts a transparency. The transparency affects forobjects wich located between StartOpacity and EndOpacity.

Version : v3.0.0

Parameters :

- p_val number : can be a value from 0.0 - 1.0. A lower value makes the element more transparent.

Return : -

startOptCont

Type : Procedure

Description : Start an optional content.

Version : v3.0.0

Parameters :

- p_name varchar2 : name of optional content
- p_state boolean default true : dafault state is visible or invisible
- p_ui_order boolean default true : insert into the state array
- p_print boolean default true : printed out

<u>Return</u> : -

PL/PDF

Template Related Commands

InsTemplate

<u>Type</u>: Function
<u>Description</u>: Insert a template into the pdf.
<u>Version</u>: v3.0.0
<u>Parameters</u>:
  - p_tpl plpdf_type.tr_tpl_data: template data
<u>Return</u>: pls_integer: template ID

setPageTemplate

<u>Type</u>: Procedure
<u>Description</u>: Use a template.
<u>Version</u>: v4.9.2
<u>Parameters</u>:
  - p_page pls_integer default null: page, Null means current page
  - p_tplidx pls_integer: template ID
  - p_fittopage boolean default true: fit template to page size
  - p_rotate90 boolean default false: rotate template right with 90
<u>Return</u>: -

setPageDefaultTemplate

<u>Type</u>: Procedure
<u>Description</u>: Set template for all new page. Remove template when p_tplidx is null.
<u>Version</u>: v3.0.0
<u>Parameters</u>:
  - p_tplidx pls_integer: template ID
  - p_fittopage boolean default true: fit template to page size
<u>Return</u>: -

UseTemplate

<u>Type</u>: Procedure
<u>Description</u>: Use a template in the page content.
<u>Version</u>: v4.9.3
<u>Parameters</u>:
  - p_tplidx pls_integer: template ID
  - p_fittopage boolean default true: fit template to page size
<u>Return</u>: -

PL/PDF

Digital Signature Related Commands

setDigSig

    <u>Type</u>: Procedure

    <u>Description</u>: Set digital signature appearances.

    <u>Version</u>: v3.0.0

    <u>Parameters</u>:

      - p_Name varchar2 default null: The name of the person or authority signing the document.

      - p_Location varchar2 default null: The CPU host name or physical location of the signing.

      - p_Reason varchar2 default null: The reason for the signing, such as (I agree?).

      - p_ContactInfo varchar2 default null: Information provided by the signer to allow a recipient to contact the signer to verify the signature; for example, a phone number.

      - p_access_perms: The access permissions granted for this document. Defined values are:

      o 1: No changes to the document are permitted; any change to the document invalidates the signature.

      o 2: Permitted changes are filling in forms, instantiating page templates, and signing; other changes invalidate the signature.

      o 3: Permitted changes are those allowed by 2, as well as annotation creation, deletion, and modification; other changes invalidate the signature.

    <u>Return</u>: -

setNeedAppearances

    <u>Type</u>: Procedure

    <u>Description</u>: Set Need Appearances property for Acroform fields.

    <u>Version</u>: v3.0.0

    <u>Parameters</u>: -

    <u>Return</u>: -

getCalcCurrPageNum

    <u>Type</u>: Function

    <u>Description</u>: Gets the calculated number of the page.

    <u>Version</u>: v3.0.0

    <u>Parameters</u>:

      - p_page pls_integer: The page number

    <u>Return</u>: pls_integer: page number

getCalcCurrPageNum

    <u>Type</u>: Function

    <u>Description</u>: Gets the calculated amount number of the pages.

PL/PDF

Version: v3.0.0

<u>Parameters</u> :

  - p_page pls_integer : The page number

<u>Return</u> : pls_integer : number of pages

PL/PDF

PL/PDF v2 Compatible procedures and functions

LineBreak

Type: Procedure
Description: Line break. Cursor is placed at the start of the next line.
Version: v3.0.0
Parameters:
  - p_h number default NULL: Height of the line break. If not set, then the
     last printed cells height is the height by default.
Return: -

setLineWidth

Type: Procedure
Description: Sets the thickness of lines drawn after this statement.
Version: v3.0.0
Parameters:
  - p_width number: Line thickness
Return: -

getLineWidth

Type: Function
Description: Gets the current line size.
Version: v3.0.0
Parameters: -
Return: number: Line size

DrawLine

Type: Procedure
Description: Draws a line between the two positions on the page.
Version: v3.0.0
Parameters:
  - p_x1 number: X coordinate for the start of the line
  - p_y1 number: Y coordinate for the start of the line
  - p_x2 number: X coordinate for the end of the line
  - p_y2 number: Y coordinate for the end of the line
Return: -

DrawRect

Type: Procedure
Description: Draws a rectangle on the page.
Version: v3.0.0
Parameters:
  - p_x number: X coordinate for the top left corner of the rectangle
  - p_y number: Y coordinate for the top left corner of the rectangle

- p_w number : The width of the rectangle
- p_h number : The height of the rectangle
- p_style varchar2 default NULL : Style
  o D: No fill, border line
  o F: Fill, no border line
  o DF or FD: Fill and border line
<u>Return</u> : -

drawRoundedRect

<u>Type</u>: Procedure
<u>Description</u> : Draws a rectangle on the page.
<u>Version</u>: v3.0.0
<u>Parameters</u> :
  - p_x number : X coordinate for the top left corner of the rectangle
  - p_y number : Y coordinate for the top left corner of the rectangle
  - p_w number : The width of the rectangle
  - p_h number : The height of the rectangle
  - p_r number : The radius of the corners
  - p_style varchar2 default NULL : Style
  o D: No fill, border line
  o F: Fill, no border line
  o DF or FD: Fill and border line
<u>Return</u> : -

DrawEllipse

<u>Type</u>: Procedure
<u>Description</u> : Draws an ellipse on the current page.
<u>Version</u>: v3.0.0
<u>Parameters</u> :
  - p_x number : X coordinate of the center of the ellipse
  - p_y number : Y coordinate of the center of the ellipse
  - p_rx number : horizontal radius of the ellipse
  - p_ry number : vertical radius of the ellipse
  - p_style varchar2 default 'D' : Style
  o D: No fill, border line
  o F: Fill, no border line
  o DF or FD: Fill and border line
<u>Return</u> : -

DrawCircle

<u>Type</u>: Procedure
<u>Description</u> : Draws a cirle on the current page.
<u>Version</u>: v3.0.0
<u>Parameters</u> :
  - p_x number : X coordinate of the center of the circle
  - p_y number : Y coordinate of the center of the circle
  - p_r number : the radius of the circle
  - p_style varchar2 default NULL : Style

o D: No fill, border line

o F: Fill, no border line

o DF or FD: Fill and border line

<u>Return</u>: -

drawSector

<u>Type</u>: Procedure

<u>Description</u>: Draws a sector on the current page.

<u>Version</u>: v3.0.0

<u>Parameters</u>:

- p_xc number: X coordinate of the center of the sector
- p_yc number: Y coordinate of the center of the sector
- p_r number: Radius of the sector
- p_a number: Starting point of the sector
- p_b number: End point of the sector
- p_style varchar2 default 'FD': Style

o D: No fill, border line

o F: Fill, no border line

o DF vagy FD: Fill and border line

- p_cw boolean default true: Draw direction

o true: Clockwise

o false: Anti-clockwise

- p_o number default 90: origin of angles

<u>Return</u>: -

DrawPolygon

<u>Type</u>: Procedure

<u>Description</u>: Draws a lines (polygon) between the points on the page.

<u>Version</u>: v3.0.0

<u>Parameters</u>:

- p_points plpdf_type.t_points: set of ordered points
- p_style varchar2 default 'D': Style

o D: No fill, border line

o F: Fill, no border line

o DF or FD: Fill and border line

<u>Return</u>: -

PrintText

<u>Type</u>: Procedure

<u>Description</u>: Prints a text starting from the specified position.

<u>Version</u>: v3.0.0

<u>Parameters</u>:

- p_x number: X coordinate for the start of the text
- p_y number: Y coordinate for the start of the text
- p_txt varchar2: Text

<u>Return</u>: -

setCellMargin

Type: Procedure

Description : Sets the cell margin size.

Version: v3.0.0

Parameters :

- p_margin number : Margin size

Return : -

getCellMargin

Type: Function

Description : Gets the cell margin size.

Version: v3.0.0

Parameters : -

Return : number : Margin size

setCellBottomMargin

Type: Procedure

Description : Sets the cell bottom margin size.

Version: v3.0.0

Parameters :

- p_margin number : Margin size

Return : -

setCellLeftMargin

Type: Procedure

Description : Sets the cell left margin size.

Version: v3.0.0

Parameters :

- p_margin number : Margin size

Return : -

setCellRightMargin

Type: Procedure

Description : Sets the cell right margin size.

Version: v3.0.0

Parameters :

- p_margin number : Margin size

Return : -

setCellTopMargin

Type: Procedure

Description : Sets the cell top margin size.

Version: v3.0.0

Parameters :

- p_margin number : Margin size

Return : -

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getCellBottomMargin

    <u>Type</u>: Function

    <u>Description</u>: Gets the cell bottom margin size.

    <u>Version</u>: v3.0.0

    <u>Parameters</u>: -

    <u>Return</u>: number: Size of bottom margin

getCellLeftMargin

    <u>Type</u>: Function

    <u>Description</u>: Gets the cell left margin size.

    <u>Version</u>: v3.0.0

    <u>Parameters</u>: -

    <u>Return</u>: number: Size of left margin

getCellRightMargin

    <u>Type</u>: Function

    <u>Description</u>: Gets the cell right margin size.

    <u>Version</u>: v3.0.0

    <u>Parameters</u>: -

    <u>Return</u>: number: Size of right margin

getCellTopMargin

    <u>Type</u>: Function

    <u>Description</u>: Gets the cell top margin size.

    <u>Version</u>: v3.0.0

    <u>Parameters</u>: -

    <u>Return</u>: number: Size of top margin

getTextHeight

    <u>Type</u>: Function

    <u>Description</u>: Gets the height of the actual font.

    <u>Version</u>: v3.4.0

    <u>Parameters</u>: -

    <u>Return</u>: number: The size of the actual font

getCellMinHeight

    <u>Type</u>: Function

    <u>Description</u>: Gets the minimum cell height (uses current font).

    <u>Version</u>: v3.0.0

    <u>Parameters</u>: -

    <u>Return</u>: number

getCellMinHeightFont

    <u>Type</u>: Function

PL/PDF

Description : Gets the minimum cell height, font is parameter.

Version: v3.0.0

Parameters :

- p_family varchar2 default null : Font type, null means current font family
  o Helvetica (Arial, Sans Serif)
  o Courier
  o Times (Serif)
  o Symbol
  o ZapfDingBats
  o If TTF fonts were added using the AddTTF procedure then they may be used here as well.
- p_style varchar2 default null : Font style
  o null: Regular
  o B: Bold
  o I: Italic
  o U: Underline
  o The styles may be combined (i.e. BI will be Bold and Italic)
- p_size number default null : Font size, null means current font size

Return : number

getCellMinWidth

Type: Function

Description : Gets the minimum cell width (uses current font).

Version: v3.0.0

Parameters :

- p_txt varchar2 : Text for calculating width

Return : number

getCellMinWidthFont

Type: Function

Description : Gets the minimum cell width, font is parameter.

Version: v3.0.0

Parameters :

- p_family varchar2 default null : Font type, null means current font family
  o Helvetica (Arial, Sans Serif)
  o Courier
  o Times (Serif)
  o Symbol
  o ZapfDingBats
  o If TTF fonts were added using the AddTTF procedure then they may be used here as well.
- p_style varchar2 default null : Font style
  o null: Regular
  o B: Bold
  o I: Italic
  o U: Underline
  o The styles may be combined (i.e. BI will be Bold and Italic)
- p_size number default null : Font size, null means current font size
- p_txt varchar2 : Text for calculating width

Return: number

PrintCell

Type: Procedure

Description: Draws a rectangle cell with text inside. The rectangle may have a border and fill color specified.

Version: v4.8.0

Parameters:
- p_w number default 0: Rectangle width
  o 0: the rectangle will extend till the right margin
  o null: uses minimum cell width
- p_h number default 0: Rectangle height
  o null: uses minimum cell height
  o -1: uses minimum cell height
  o 0: uses last cell height
- p_txt varchar2 default NULL: Text
- p_border varchar2 default '0': Rectangle border
  o 0: no border
  o 1: outline border
  o L: left side border
  o T: top side border
  o R: right side border
  o B: bottom side border
  o or a combination of L, T, R and B
- p_ln number default plpdf_const.beside: Cursor position after the cell is printed
  o 0: Beside the cell
  o 1: New line
  o 2: Under the cell
- p_align varchar2 default NULL: Text alignment
  o L: left
  o R: right
  o C:
  o J: Force Justification
- p_fill boolean default false: Fill with current fill color
  o false: no fill
  o true: fill with current fill color
- p_link varchar2 default null: Link related to the text, can be a URL or an internal link ID
- p_clipping boolean default true: Clipping the cell
  o false: no clipping
  o true: clipping
- p_vert_align varchar2 default null: Text vertical alignment in cell
  o null: normal
  o T: top
  o B: bottom

Return: -

PrintMultiLineCell

<u>Type</u>: Procedure

<u>Description</u>: Draws a multi line cell.

<u>Version</u>: v3.0.0

<u>Parameters</u>:

- p_w number default 0: Rectangle width, if 0 then the rectangle will extend till the right margin
- p_h number default 0: Rectangle height
  o null: uses minimum cell height
  o -1: uses minimum cell height
  o 0: uses last cell height
- p_txt varchar2 default null: Text
- p_border varchar2 default '0': Rectangle border
  o 0: no border
  o 1: outline border
  o L: left side border
  o T: top side border
  o R: right side border
  o B: bottom side border
  o Or a combination of L, T, R and B
- p_align varchar2 default 'J': Text alignment
  o L: left
  o R: right
  o C: center
  o J: force justification
- p_fill boolean default false: Fill with current fill color
  o false: no fill
  o true: fill with current fill color
- p_maxline number default 0: Maximum number of lines displayed. If 0 then all lines will be displayed.
- p_link varchar2 default NULL: Link related to the text, can be a URL or an internal link ID
- p_clipping boolean default true: Clipping cell
  o false: no clipping
  o true: clipping
- p_indent number default 0: First line Indent
- p_ln number default plpdf_const.newline: Cursor position after the cell is printed
  o 0: Beside the cell
  o 1: New line
  o 2: Under the cell

<u>Return</u>: -

PrintFlowingText

<u>Type</u>: Procedure

<u>Description</u>: Prints text continuously. Text is wrapped according to the right margin.

<u>Version</u>: v3.0.0

<u>Parameters</u>:

- p_h number default 0: Rectangle height
  o null: uses minimum cell height

o -1: uses minimum cell height
o 0: uses last cell height
- p_txt varchar2 default null : Text
- p_link varchar2 default null : URL or internal link ID
- p_align varchar2 default NULL : Text alignment
o L: left
o R: right
o C:
o J: Force Justification
- p_clipping boolean default true : Clipping text
o false: no clipping
o false: clipping
- p_lastline_j varchar2 default 'L' : justified text last line alignment
o L: left
o R: right
o C: center
o J: Force Justification
Return : -

PrintFlowingTextLimit

Type: Procedure
Description : Prints text continuously. Text is wrapped according to the p_min_x and p_max_x.
Version: v3.0.0
Parameters :
- p_h number default 0 : Rectangle height
o null: uses minimum cell height
o -1: uses minimum cell height
o 0: uses last cell height
- p_txt varchar2 default null : Text
- p_link varchar2 default null : URL or internal link ID
- p_min_x number default 0 : min X position, 0 means the limit is the left margin
- p_max_x number default 0 : max X position, 0 means the limit is the right margin
- p_align varchar2 default NULL : Text alignment
o L: left
o R: right
o C:
o J: Force Justification
- p_clipping boolean default true : Clipping text
o false: no clipping
o true: clipping
- p_lastline_j varchar2 default 'L' : justified text last line alignment
o L: left
o R: right
o C:
o J: Force Justification
Return : -

PL/PDF

PrintImageCell

Type: Procedure
Description: Print an image with frame.
Version: v3.0.0
Parameters:
  - p_w number: Width of frame
  - p_h number: Height of frame
  - p_name varchar2: name of image
  - p_data blob: image
  - p_margin number default 0: margin size of frame
  - p_border varchar2 default '0': Rectangle border
    o 0: no border
    o 1: outline border
    o L: left side border
    o T: top side border
    o R: right side border
    o B: bottom side border
    o Or a combination of L, T, R and B
  - p_ln number default plpdf_const.beside: Cursor position after the cell is
      printed
    o 0: Beside the cell
    o 1: New line
    o 2: Under the cell
  - p_fill boolean default false: Fill with current fill color
    o false: no fill
    o true: fill with current fill color
  - p_link varchar2 default NULL: URL or internal link ID
  - p_type varchar2 default null: when use Oracle InterMedia then ignore this
      param,when does not use Oracle InterMedia then JPG or PNG, null means JPG
Return: -

setColor4Drawing

Type: Procedure
Description: Sets the line color for objects (line, rectangle, circle etc.)
  inserted after this statement.Colors must be specified according to the RGB
  pallet.
Version: v3.0.0
Parameters:
  - p_r number: Red component code, can be between 0 and 255
  - p_g number: Green component code, can be between 0 and 255
  - p_b number: Blue component code, can be between 0 and 255
Return: -

setColor4Drawing

Type: Procedure
Description: Sets the line color for objects (line, rectangle, circle etc.)
  inserted after this statement.Colors must be specified according to the RGB
  pallet.

Version: v3.0.0

Parameters :

  - p_color plpdf_type.t_color : color

Return : -

setColor4Filling

Type: Procedure

Description : Sets the fill color for objects inserted after this statement.Colors must be specified according to the RGB pallet.

Version: v3.0.0

Parameters :

  - p_r number : Red component code, can be between 0 and 255

  - p_g number : Green component code, can be between 0 and 255

  - p_b number : Blue component code, can be between 0 and 255

Return : -

setColor4Filling

Type: Procedure

Description : Sets the fill color for objects inserted after this statement. Colors must be specified according to the RGB pallet.

Version: v3.0.0

Parameters :

  - p_color plpdf_type.t_color : color

Return : -

setColor4Text

Type: Procedure

Description : Sets the text color for objects inserted after this statement.Colors must be specified according to the RGB pallet.

Version: v3.0.0

Parameters :

  - p_r number : Red component code, can be between 0 and 255

  - p_g number : Green component code, can be between 0 and 255

  - p_b number : Blue component code, can be between 0 and 255

Return : -

setColor4Text

Type: Procedure

Description : Sets the text color for objects inserted after this statement. Colors must be specified according to the RGB pallet.

Version: v3.0.0

Parameters :

  - p_color plpdf_type.t_color : color

Return : -

getColor4Drawing

PL/PDF

Type: Function
Description: Gets the line color for objects.
Version: v3.0.0
Parameters: -
Return: plpdf_type.t_color: Drawing color

getColor4Filling

Type: Function
Description: Gets the filling color for objects.
Version: v3.0.0
Parameters: -
Return: plpdf_type.t_color: Filling color

getColor4Text

Type: Function
Description: Gets the color of text.
Version: v3.0.0
Parameters: -
Return: plpdf_type.t_color: Color of text