

***PL/PDF***

**PL/PDF**

User's Guide

v4.0.0

# PL/PDF

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# ***PL/PDF***

## **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>

# PL/PDF

## Certification

### GetCertKey

Type: Function

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

Version: v3.0.0

Parameters: -

Return: varchar2: Preliminary certificate key

### checkCertKey

Type: Function

Description: 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;

Version: v3.0.0

Parameters: -

Return: boolean: validity of the key

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## Administrative commands

### AddCJKFont

Type: Procedure

Description: Add CJK (Chinese/Japanese/Korean) font.

Version: v3.0.0

Parameters :

- p\_name varchar2 : name of font
  - o japanese: 'HeiseiKakuGo-W5'
  - o korean: 'HYSMyeongJoStd-Medium-Acro'
  - o chinese: 'MSungStd-Light-Acro', 'STSongStd-Light-Acro'

Return : -

### AddTTF

Type: Procedure

Description: 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.

Version: v3.0.0

Parameters :

- 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 contains TTF binary file or not

Return : -

### init

Type: Procedure

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 varchar2 default 'A4' : Page format

Return : -

### init1

Type: Procedure



# PL/PDF

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
- plpdf\_type.t\_pageformat: see plpdf\_const package for predefined pageformats

Return: -

## getVersion

Type: Function

Description: Gets the version number of pl/plpdf 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: v3.0.0

Parameters:

- p\_blob out nocopy blob: the generated document

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

Return: -

## setAutoNewPage

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Type: Procedure

Description: Enables or disables automatic page breaks. The p\_margin parameter is only relevant when enabling automatic page breaks. It sets the bottom margin size under which an automatic page break is triggered.

Version: v3.0.0

Parameters:

- 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

Return: -

## setNOCompress

Type: Procedure

Description: Disables the compression of PDF documents. By default compression is enabled.

Version: v3.0.0

Return: -

## setDocAuthor

Type: Procedure

Description: Sets the document author.

Version: v3.0.0

Parameters:

- p\_author varchar2: Document author

Return: -

## setDocCreator

Type: Procedure

Description: Sets the document creator.

Version: v3.0.0

Parameters:

- p\_creator varchar2: Document creator

Return: -

## setDocDisplayMode

Type: Procedure

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

Version: v3.0.0

Parameters:

- 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

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- 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

Type: Procedure

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

Version: v3.0.0

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## 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 passed as a parameter executes when the page header is created. If setHeaderProcName is not executed before a page header is created then the 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 passed as a parameter executes when the page header is created. If setHeaderProcName is not executed before a page header is created then the 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
- 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

# PL/PDF

- 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 parameter executes when the page footer is created. If SetFooterProcName is not executed before 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 parameter executes when the page footer is created. If SetFooterProcName is not executed before 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 : -

# PL/PDF

## 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: -

## setLeftMargin

Type: Procedure

Description: Sets the left margin size.

Version: v3.0.0

Parameters:

- p\_margin number: Margin size

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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 parameter executes when the not last page closed.

Version: v3.0.0

Parameters :

- p\_proc\_name varchar2 : Procedure name

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**

# PL/PDF

Type: Procedure

Description: Sets end of page numbering to the current page, see [SetPageNoStart](#).

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: -

## setPDFAlB

Type: Procedure

Description: Set PDF/A-1B support.

Version: v3.0.0

Parameters: -

Return: -

## setID

Type: Procedure

Description: 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.

Version: v3.0.0

Parameters:

- p\_id varchar2: ID value

Return: -



# PL/PDF

## Navigations and formatting commands

### checkPageBreak

Type: Function

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

Version: v3.0.0

Parameters:

- p\_h number: height for check page overflow
- p\_newpage boolean default true: do NewPage procedure

Return: boolean

- o true: overflow is reached
- o false: don't reach overflow

### getCurrPageNum

Type: Function

Description: Returns the page number of the current page.

Version: v3.0.0

Parameters: -

Return: pls\_integer: Page number of the current page

### getNumOfPages

Type: Function

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

Version: v3.0.0

Parameters: -

Return: pls\_integer: Number of pages

### getLeftMargin

Type: Function

Description: Gets the page left margin size.

Version: v3.0.0

Parameters: -

Return: number: Size of left margin

### getRightMargin

Type: Function

Description: Gets the page right margin size.

Version: v3.0.0

Parameters: -

Return: number: Size of right margin

### getTopMargin

# PL/PDF

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

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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: -

# PL/PDF

## NewPage

Type: Procedure

Description: Creates a new page. If no orientation is given then the orientation specified in Init will be used. If a page was previously open, a page break is initiated and the cursor is placed at the top left corner of the new page.

Version: v3.0.0

Parameters:

- p\_orientation varchar2 default NULL: Page orientation
  - o P: Portrait
  - o L: Landscape

Return: -

## setCurrentX

Type: Procedure

Description: Places the cursor at the X coordinate.

Version: v3.0.0

Parameters:

- p\_x number default 0: X coordinate

Return: -

## setCurrentY

Type: Procedure

Description: Places the cursor at the Y coordinate and reset X.

Version: v3.0.0

Parameters:

- p\_y number default 0: Y coordinate
- p\_cr boolean default true: X position returns to beginning of line

Return: -

## setCurrentXY

Type: Procedure

Description: Places the cursor at the X and Y coordinate.

Version: v3.0.0

Parameters:

- p\_x number default 0: X coordinate
- p\_y number default 0: Y coordinate

Return: -

## NewLine

Type: Procedure

Description: Line break. Cursor is placed at the start of the next line.

Version: v3.0.0

Parameters:

- p\_h number default 0: Height of the line break.

Return: -

## Content Related Commands

### AttachFile

Type: Procedure

Description: Attaches a file to the PDF document.

Version: v3.0.0

Parameters:

- p\_filename varchar2: name of file
- p\_fileblob blob: file
- p\_desc varchar2 default null: description of file

Return: -

### crBookmark

Type: Procedure

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

Version: v3.0.0

Parameters:

- 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.

Return: -

### PrintoutText

Type: Procedure

Description: Prints a text starting from the specified position.

Version: v3.0.0

Parameters:

- 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

Return: -

### Circle

Type: Procedure

Description: Draws a circle on the current page.

Version: v3.0.1

Parameters:

- 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

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- 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



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rectangle

- p\_fill\_pattern varchar2 default null : The filling pattern

Return : -

## Rect

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\_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 : -

## RoundedRect

Type: Procedure

Description: Draws a rectangle on the page.

Version: v3.0.1

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\_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

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- 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

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 : -

# PL/PDF

## 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: -

## putInternalLink

Type: Procedure

Description: Puts a link area on the page that point to an internal link.

Version: v3.0.0

Parameters:

- 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

Return: -

## putExternalLink

Type: Procedure

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Description: Puts a link area on the page that point to an external link.

Version: v3.0.0

Parameters:

- 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

Return: -

## putLink

Type: Procedure

Description: 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.

Version: v3.0.0

Parameters:

- 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

Return: -

## setStrokingColor

Type: Procedure

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

Version: v3.0.0

Parameters:

- p\_color plpdf\_type.t\_color: color

Return: -

## setNonStrokingColor

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

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- 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 used to 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

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 :

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- 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

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- p\_h number : width of clipping frame

Return : -

## EndClipping

Type: Procedure

Description: End a clipping 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 for objects with 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 : default state is visible or invisible  
- p\_ui\_order boolean default true : insert into the state array  
- p\_print boolean default true : printed out

Return : -

## Template Related Commands

### InsTemplate

Type: Function

Description: Insert a template into the pdf.

Version: v3.0.0

Parameters:

- p\_tpl: template data

Return: pls\_integer: template ID

### setPageTemplate

Type: Procedure

Description: Use a template.

Version: v3.0.0

Parameters:

- p\_page pls\_integer default null: page, Null means current page

- p\_tplidx pls\_integer: template ID

- p\_fittpage boolean default true: fit template to page size

Return: -

### setPageDefaultTemplate

Type: Procedure

Description: Set template for all new page. Remove template when p\_tplidx is null.

Version: v3.0.0

Parameters:

- p\_tplidx pls\_integer: template ID

- p\_fittpage boolean default true: fit template to page size

Return: -



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## Digital Signature Related Commands

### setDigSig

Type: Procedure

Description: Set digital signature appearances.

Version: v3.0.0

Parameters:

- 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.

Return: -

### setNeedAppearances

Type: Procedure

Description: Set Need Appearances property for Acroform fields.

Version: v3.0.0

Parameters: -

Return: -

### getCalcCurrPageNum

Type: Function

Description: Gets the calculated number of the page.

Version: v3.0.0

Parameters:

- p\_page pls\_integer: The page number

Return: pls\_integer: page number

### getCalcCurrPageNum

Type: Function

Description: Gets the calculated amount number of the pages.

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Version: v3.0.0

Parameters :

- p\_page pls\_integer : The page number

Return : pls\_integer : number of pages

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## 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

# PL/PDF

- 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

Return : -

## drawRoundedRect

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\_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

Return : -

## DrawEllipse

Type: Procedure

Description : Draws an ellipse on the current page.

Version: v3.0.0

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\_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

Return : -

## DrawCircle

Type: Procedure

Description : Draws a circle on the current page.

Version: v3.0.0

Parameters :

- 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

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- o D: No fill, border line
- o F: Fill, no border line
- o DF or FD: Fill and border line

Return : -

## drawSector

Type: Procedure

Description : Draws a sector on the current page.

Version: v3.0.0

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\_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

Return : -

## DrawPolygon

Type: Procedure

Description : Draws a lines (polygon) between the points on the page.

Version: v3.0.0

Parameters :

- 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

Return : -

## PrintText

Type: Procedure

Description : Prints a text starting from the specified position.

Version: v3.0.0

Parameters :

- 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

Return : -

## 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: -

## **getCellBottomMargin**

Type: Function

Description: Gets the cell bottom margin size.

Version: v3.0.0

Parameters: -

Return: number: Size of bottom margin

## **getCellLeftMargin**

Type: Function

Description: Gets the cell left margin size.

Version: v3.0.0

Parameters: -

Return: number: Size of left margin

## **getCellRightMargin**

Type: Function

Description: Gets the cell right margin size.

Version: v3.0.0

Parameters: -

Return: number: Size of right margin

## **getCellTopMargin**

Type: Function

Description: Gets the cell top margin size.

Version: v3.0.0

Parameters: -

Return: number: Size of top margin

## **getCellMinHeight**

Type: Function

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

Version: v3.0.0

Parameters: -

Return: number

## **getCellMinHeightFont**

Type: Function

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

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- 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: v3.0.0



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## Parameters :

- p\_w number default null : Rectangle width
  - o 0: the rectangle will extend till the right margin
  - o null: uses minimum cell width
- p\_h number default null : Rectangle height
  - o null: 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**

Type: Procedure

Description: Draws a multi line cell.

Version: v3.0.0

## Parameters :

- 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
- p\_txt varchar2 default null : Text
- p\_border varchar2 default '0' : Rectangle border

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- 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

Return : -

## PrintFlowingText

Type: Procedure

Description: Prints text continuously. Text is wrapped according to the right margin.

Version: v3.0.0

Parameters :

- p\_h number default 0 : 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

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- 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 : 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 : -

## 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

# PL/PDF

- 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

# PL/PDF

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

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

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Parameters : -

Return : plpdf\_type.t\_color : Color of text

# PL/PDF

## Version History

01-FEB-2015, v3.0.0

initial version

01-APR-2015, v3.0.1

- Circle: p\_fill\_pattern: new parameter
- Ellipse: p\_fill\_pattern: new parameter
- Polygon: p\_fill\_pattern: new parameter
- Sector: p\_fill\_pattern: new parameter
- RoundedRectangle: p\_fill\_pattern: new parameter
- set3HeaderProcName: new procedure
- set3FooterProcName: new procedure
- putImage: new procedures

04-MAY-2015, v3.0.7

-Release merging with PL/PDF Reporter and PL/OFFX Suit

04-JUN-2015, v3.1.0

-Release merging with PL/PDF Reporter and PL/OFFX Suit

07-JUL-2015, v3.2.0

- setPageNoStart new param: p\_start\_num
- plpdf\_barcode.qrcode: new procedure
- new PL/PDF Reporter features: group header/footer and master-detail group

02-AUG-2015, v3.3.0

-Reporter related features

02-SEP-2015, v3.4.0

-Reporter related features

22-SEP-2015, v3.5.0

-Reporter related features

18-DEC-2015, v3.6.0

-Reporter related features

01-FEB-2016, v3.7.0

# ***PL/PDF***

-Reporter related features