Stamping (PLOSSYS netdome, pdfstamp)

User Manual

Version 1.0.5

2023-10-24

SEAL Systems

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Contents

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1 Introduction

....

This documentation describes the configuration of the stamps in PLOSSYS netdome and the PDF Tools `pdfstamp/pdfstamphft`.

purpose

....

This documentation is intended for users who want to configure stamps for PLOSSYS netdome or configure and use the PDF Tools `pdfstamp/pdfstamphft`.

target group

....

This chapter deals with the following topics:

in this chapter

Topic	Page
Conventions in this Documentation	8
Overview of Contents	9

....

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User Manual

Conventions in this Documentation

....

path specifica-
tion
The path information given in this manual is relative to the installation directory of `pdfstamp`/`pdfstamphft` and PLOSSYS netdome. The path information is indicated in Windows notation only in most cases. This corresponds to the UNIX directory structures unless noted otherwise.

....

typography
The following table lists the typographical conventions employed in this documentation.

Typographical Convention	Meaning
`Consolas`	File names, paths, commands, menu items, keywords, special values, short scripts and examples
`Consolas italic`	Parameters; variables that have to be replaced by current values
`Consolas small`	More extensive scripts and examples

....

Overview of Contents

....

This documentation has two parts: a description and a reference. The first part describes the functionality and the installation process using figures, step-by-step-procedures and explanatory texts. The second part serves as a detailed reference guide, containing configuration settings, keywords etcetera.

structure

....

The description deals with the following topics:

description

Chapter 2, *General*, page 13, provides an introduction into the different ways how documents can be stamped at SEAL Systems, describes the basic terms and lists the requirements.

Chapter 5, *pdfstamp/pdfstamphft - Further Configuration and Operations*, page 62, explains the configuration steps that are identical for all ways of stamping.

Chapter 5, *pdfstamp/pdfstamphft - Further Configuration and Operations*, page 62, explains the additional configuration steps and actions available for the stamping via PLOSSYS netdome.

Chapter 5, *pdfstamp/pdfstamphft - Further Configuration and Operations*, page 62, explains the additional configuration steps and actions available for the stamping with `pdfstamp/pdfstamphft`.

Chapter 6, *Stamping Using a Stamp Template*, page 80, explains configuration steps for the stamping using a stamp template.

....

The reference contains the following chapters:

reference

- Chapter 7, *Parameter of pdfstamp/pdfstamphft - Reference*, page 91, lists the command line parameters of `pdfstamp/pdfstamphft`.
- Chapter 8, *Configuration - Reference*, page 129, lists the settings in the different configuration files.

....

Appendix A, *Examples of the Stamp Layout File*, page 161, provides some examples for the configuration of stamps.

appendix

....

At the end of the documentation, a bibliography, terminology list, abbreviation list and index are included.

directories

....
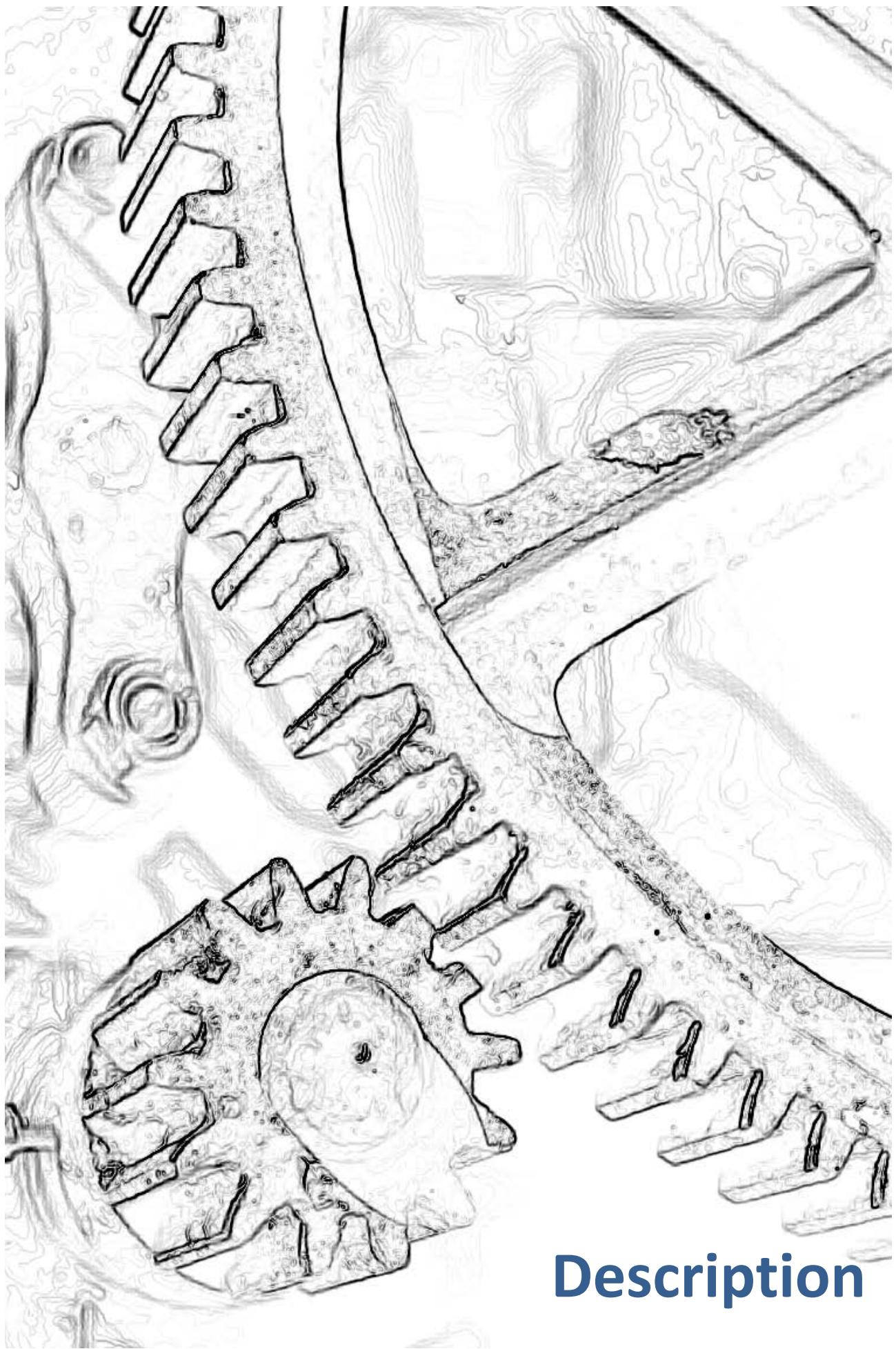
Description

2   General

....

This chapter deals with the following topics:

Topic	Page
Stamp Programs and Configuration	14
stamp types	16
Stamp Texts	17
Graphic Stamp	19
Requirements	20

....

2.1   Stamp Programs and Configuration

....

programs

This documentation describes how to stamp with the following programs from SEAL Systems:

- PLOSSYS netdome
- `pdfstamp`/`pdfstamphft`

....

Stamp Configuration

Basically, the configuration of the stamps is identical for the programs. Differences will be indicated at the correspondent situations.

....

stamp layout file

In the stamp layout file, you configure the layout of the stamp boxes and texts, for example, the size and the color, and the position of the stamp.

→ *Stamp Layout File (.stp)*, page 130

....

stamp template

`pdfstamp`/`pdfstamphft` can also stamp a PDF file by means of another PDF file, a stamp template. In this case, a stamp layout file and stamp texts are not required.

....

PDF configuration file

The PDF configuration file specifies how the PDF output file will be generated.

→ *PDF Configuration File (.db)*, page 149

....

`pdfstamp`/ `pdfstamphft`

`pdfstamphft` is the HFT variant of `pdfstamp`.

....

PLOSSYS netdome

PLOSSYS netdome always uses the HFT method.

....

background knowledge - HFT

HFT is a new method for calling functions whereby the Adobe Library is initialized using a different way.

HFT is the seminal way and supports the automatic repairing as Adobe Acrobat Reader. PDF files with XFA can be processed with HFT.

The "disadvantage" of HFT is that the protection mechanism are evaluated so that a document that is protected against changes can no longer be stamped before output.

....

hint - stamp editor

As an alternative to the manual changing of the configuration files, you can configure the stamps by using the graphical user interface, Stamp Editor, from SEAL Systems.

....*To be continued*

Stamp Programs and Configuration, Continuation

....

With pdfstamp/pdfstamphft, you can configure up to 256 stamp boxes and texts.

With PLOSSYS netdome, the maximum of stamp boxes and texts is specified in the PLS_STAMP_MAX environment variable. This will be set when starting PLOSSYS netdome. Default is 100 stamps.

number of stamps

....

With the tiffstamp program from SEAL Systems, you can stamp TIFF files. For more information, refer to [TIFFSTAMP_TEC].

TIFF

....

2.2   stamp types

....

Stamp
A stamp is a text or a graphic that is applied onto an existent document.

....

watermark
A watermark is a stamp that is applied behind the document.

....

stamp types
The following stamp types are supported:

opaque
- A „normal", opaque stamp hides the contents of the document.

transparent colored
- A transparent colored stamp hides the contents of the document but the colors are transparent so that you can see the contents through the stamp.

transparent gray
- A transparent gray stamp hides the contents of the document but the gray-scales are transparent so that you can see the contents through the stamp.

gray-simulated
- A gray-simulated stamp hides the contents of the document. The gray-scales and colors are simulated by Black and White.

real invisible
- A real invisible stamp is invisible on all backgrounds but you can search for the text, for example.

....

flagpage
In contrast to the other stamps, the flagpage may be output outside the document as well.

....

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2.3   Stamp Texts

....

You can specify the texts for the text stamps in PLOSSYS netdome via the following ways:

→ *Pass a Stamp Text via a Header*, page 65

→ *Preset the Stamp Text*, page 40

PLOSSYS net-dome

....

You can specify the texts for the text stamps in `pdfstamp`/`pdfstamphft` via the following ways:

→ *Specify a Stamp Text Directly*, page 66

→ *Pass a Stamp Text via a Stamp Text File*, page 64

→ *Pass a Stamp Text via a Header*, page 65

→ *Preset the Stamp Text*, page 40

`pdfstamp`/
`pdfstamphft`

....

The available ways for specifying the stamp texts may be combined. The texts specified with `-t`*n* take priority to the texts that are passed in the header with stamp texts and in the stamp text file. The default texts in the stamp layout file have the lowest priority.

hint - combi-
nation,
priority

....
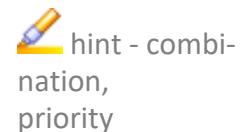
A text stamp may contain 256 characters.

text length

....

For multiline stamp texts, you configure an extra stamp text for each line and assign these to the same stamp box.

→ *Group Stamp Texts*, page 43

multiline

....

As of version 3.83 of `pdfstamp`/`pdfstamphft`, you can specify a line break with `\n` or `\r` in the stamp text. In order that these strings are handled as line breaks, set `TX_LINEBREAK` to `Y` in the stamp text file.

line break

....

Via `BO_WIDTH`, the maximum width of the stamp is specified. The line is broken at the word boundary. The value of `BO_HEIGHT` is adjusted accordingly. The line distance is specified via the `TX_LINEDISTANCE` option. If the text is wider than `BO_WIDTH` after the line break, the text size will be reduced if `BO_ADAPT_TEX-T_TO_FRAME` has been set to `Y`. Otherwise, the text goes beyond the width specified by `BO_WIDTH` and `BO_WIDTH` is increased accordingly.

size with line
break

....

The stamps may contain variables which are replaced during stamping.

variables

....*To be continued*

Stamp Texts, Continuation

Unicode

In order to generated stamp texts containing Unicode characters, the following environment variables must be set:

- `SEALFONTS=%PLSTOOLS%\fonts`
- `SEAL_DEFAULTCODEPAGE=UTF8`

The font used in the stamps must be Unicode-enabled, for example, `-30001`.

2.4   Graphic Stamp

....

A graphic stamp is a graphic that is applied onto the document.   graphic stamp

....

With PLOSSYS netdome, GKS metafiles can be used as graphic stamps.   PLOSSYS net-
                                                                                                                              dome

....

With `pdfstamp`/`pdfstamphft`, GKS metafiles and JPEG files can be used as   `pdfstamp`/
graphic stamps. Additionally, `pdfstamp`/`pdfstamphft` can stamp PDF files as   `pdfstamphft`
stamp templates.

....

2.5   Requirements

....

pdfstamp/
pdfstamphft

`pdfstamp` and `pdfstamphft` belong to the PDF Tools from SEAL Systems.

....

🛟 reference

The other PDF Tools and the general settings and information concerning the PDF Tools are described in [PDF_TOOLS].

....

3   Stamp Configuration

....

This chapter describes the configuration in the stamp layout file which is used both by PLOSSYS netdome and `pdfstamp/pdfstamphft`:

Topic	Page
Configure a Text Stamp	22
Configure a Graphic Stamp	23
Configure the Reference Point of a Stamp Box	24
Configure an Opaque Stamp	27
Configure a Transparent Colored Stamp	28
Configure a Transparent Gray Stamp	29
Configure a Gray-Simulated Stamp	30
Configure a Watermark	31
Configure the Stamp Background	32
Configure an Invisible Stamp	34
Draw a Frame Around the Stamp Box	36
Rotate a Stamp Box	38
Configure the Pages to Be Stamped	39
Preset the Stamp Text	40
Align a Stamp Text to the Stamp Box	41
Group Stamp Texts	43
Configure the Repetition of a Stamp	44
Configure the Character Width and Spacing	46

....

In Appendix A, *Examples of the Stamp Layout File*, page 161, you will find some examples of the configuration in the stamp layout file.

example

....

Configure a Text Stamp

....

instructions   This way you configure a text stamp:

Step	Action
1	Configure the properties of the stamp box in the section for the stamp box: [*box*]
2	Configure the properties of the stamp text in the section for the stamp text: [*text*]
3	In the [STAMP_DEFINITION] section, specify the section names of the stamp text and the stamp box: [STAMP_DEFINITION] *BOX_DEFINITIONS box* *TEXT_DEFINITIONS text*
4	In the section for the stamp box, specify the stamp text as contents: [*box*] *BO_CONTENTS text*

....

hint - default   If the defaults are valid for all items of a stamp text, the correspondent [*text*]
                     section can be empty but it must exist.

....
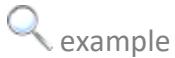
example   The Released text stamp is applied onto the document:

Extract of the stamp layout file:
```
[STAMP_DEFINITION]
    TEXT_DEFINITIONS        Text_0
    BOX_DEFINITIONS         Box_0

[Text_0]
    ...
    TX_TEXT                 "Released"
    ...
[Box_0]
    ...
    BO_CONTENTS             Text_0
    ...
```


....
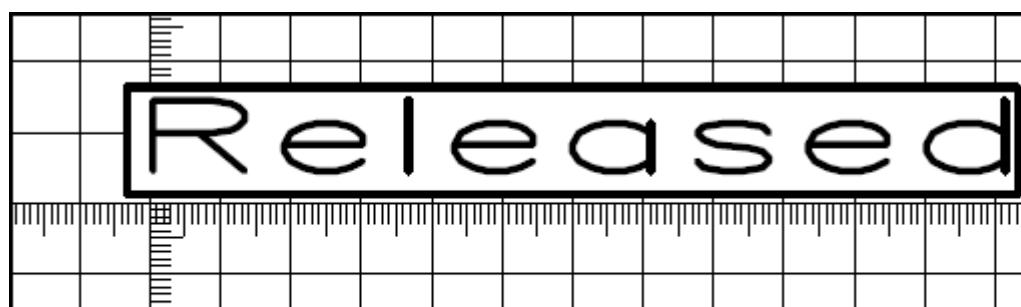
Configure a Graphic Stamp

....

With PLOSSYS netdome, the graphic file to be stamped on all jobs of a output queue is stored in the `%PLSPLT%` directory.

With `pdfstamp`/`pdfstamphft`, the graphic file is stored in the directory of the stamp layout file.

requirement

....

This is how you configure a graphic stamp:

instructions

Step	Action
1	Configure the properties of the stamp box in the section for the stamp box: 　　[*box*]
2	In the [STAMP_DEFINITION] section, specify the section name of the stamp box: 　　[STAMP_DEFINITION] 　　　BOX_DEFINITIONS box
3	In the section for the stamp box, specify the graphic file: 　　[*box*] 　　　BO_FRAME graphic ⚠️ **Caution** - `pdfstamp`/`pdfstamphft`: With `pdfstamp`/`pdfstamphft`, deactivate the BO_CONTENTS item in the section for the stamp box in order that the BO_FRAME item is used. 　　[*box*] 　　# BO_CONTENTS ...

....

The `seal_logo.met` graphic stamp is applied onto the document:

🔍 example

Extract of the stamp layout file:
```
[STAMP_DEFINITION]
   BOX_DEFINITIONS      Box_0
[Box_0]
   ...
   BO_FRAME             seal_logo.met
   ...
```


....
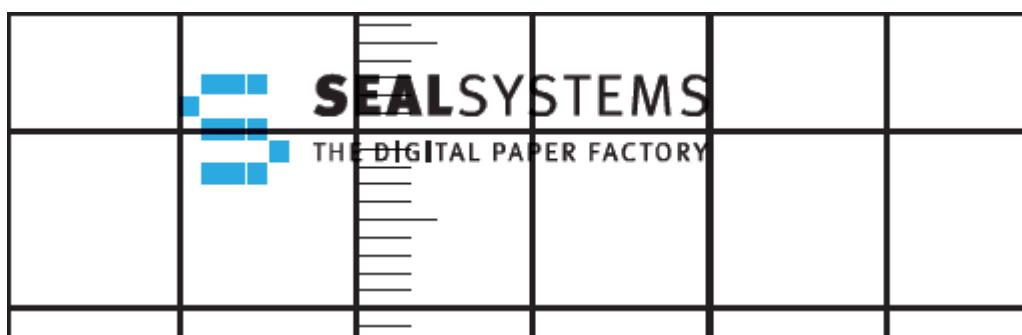
Configure the Reference Point of a Stamp Box

reference point   The position of a stamp box orient itself on the reference point which is relative to the border of the document or the printable area.

requirement   The text or graphic stamp has been configured:

→ *Configure a Text Stamp*, page 22

→ *Configure a Graphic Stamp*, page 23

instructions   This is how you configure the reference point of a stamp box:

Step	Action

1	In the section for the stamp box, configure where the reference point of the stamp box is to be located corresponding to the document's horizontal:
	`[box]`
	    `BO_ALIGNMENT_HOR    align`
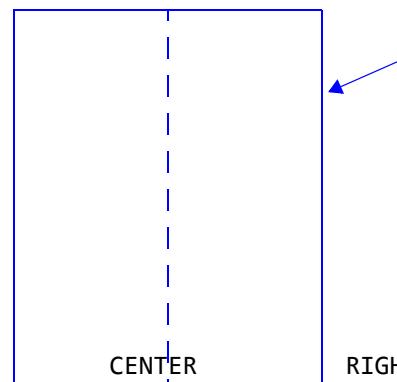
2	In the section for the stamp box, configure where the reference point of the stamp box is to be located corresponding to the document's vertical:
	`[box]`
	    `BO_ALIGNMENT_VER align`

....*To be continued*

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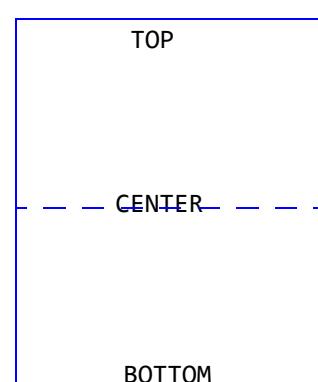
Configure the Reference Point of a Stamp Box, Continuation

....

This is how you configure the reference point of a stamp box, continuation:

instructions, cont'd

Step	Action

3	In the section for the stamp box, configure the distance between the stamp box and the position specified with `BO_ALIGNMENT_HOR` and `BO_ALIGNMENT_VER`:
	
	`[`*box*`]`
	`    BO_DISTANCEX    `*distance*
	`    BO_DISTANCEY    `*distance*
	
	In case of:
	`BO_ALIGNMENT_VER TOP`
	`BO_ALIGNMENT_HOR LEFT`
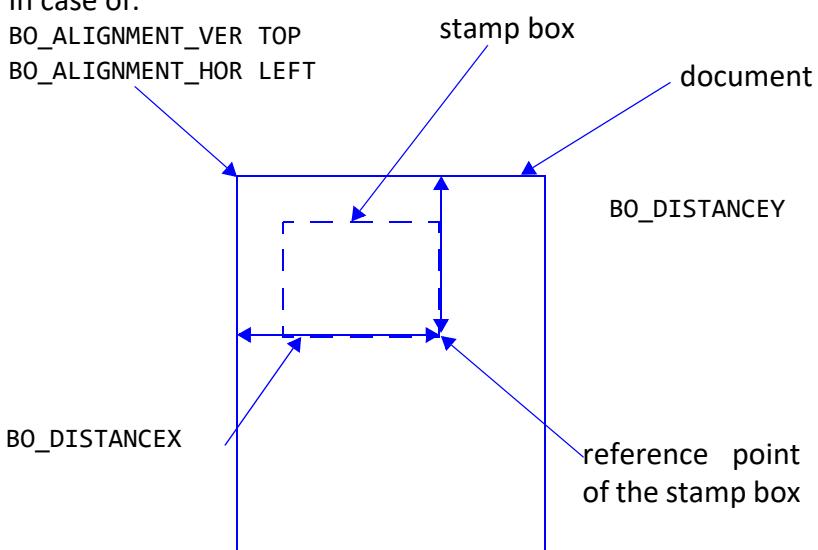
4	In the section for the stamp box, optionally configure if the reference point is to be oriented to the border of the printable area instead of the border of the document:
	
	`[`*box*`]`
	`    BO_ORIGIN    VISIBLE_AREA`

....*To be continued*

Configure the Reference Point of a Stamp Box, Contin-

uation

....
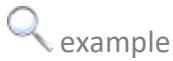
example   The reference point is positioned at the top center with a distance to the right
               of 5 cm and a distance downwards of 3 cm:

               Extract of the stamp layout file:

```
...
BO_ALIGNMENT_HOR     CENTER
BO_ALIGNMENT_VER     TOP
BO_DISTANCEX         0.050
BO_DISTANCEY         0.030
...
```


....
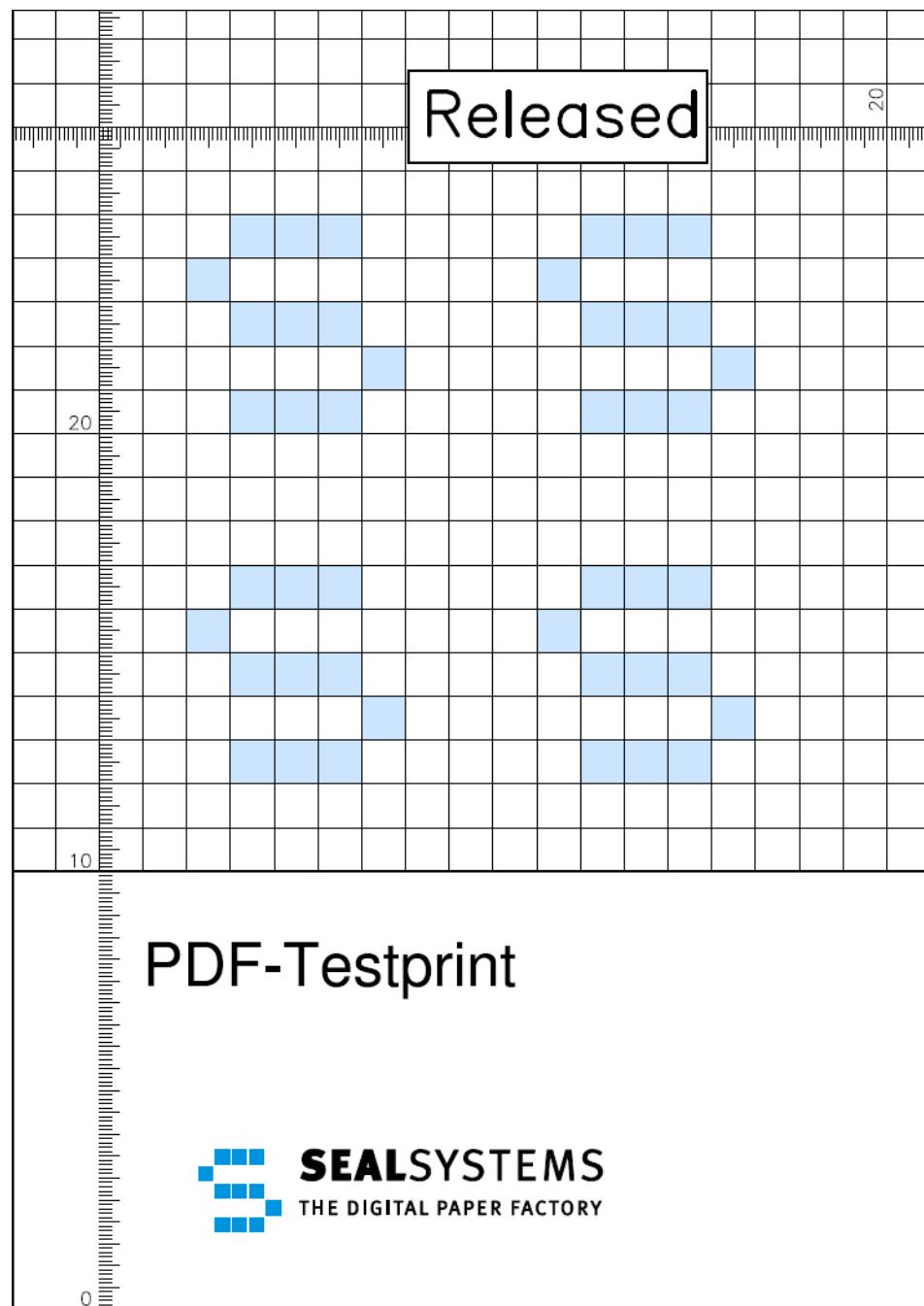
Configure an Opaque Stamp

....

The colors and grayscales of a opaque stamp are displayed, the document contents are covered.

opaque

....

The text or graphic stamp has been configured:

requirement

→ *Configure a Text Stamp*, page 22

→ *Configure a Graphic Stamp*, page 23

....

This is how you configure that the stamp is applied opaque:

instructions

Step	Action
1	In the section for the stamp box, configure that the stamp is to be applied opaque: [*box*] BO_CREATION STAMP

....

The stamp covers the document contents:

🔍 example

Extract of the stamp layout file:

```
...
BO_CREATION         STAMPS
...
```


....
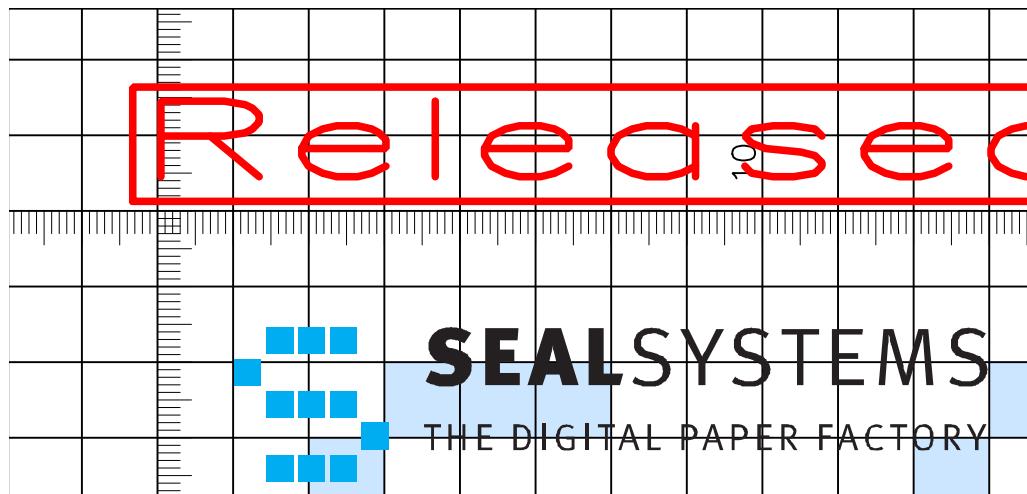
Configure a Transparent Colored Stamp

....

transparent
colored

The colors and grayscales of a transparent colored stamp are displayed, the document contents show through.

....

requirement

The text or graphic stamp has been configured:

→ *Configure a Text Stamp*, page 22

→ *Configure a Graphic Stamp*, page 23

The PDF_GRAYSTAMP environment variable has been set to color.

....

instructions

This is how you configure that the stamp is applied transparent colored:

Step	Action
1	In the section for the stamp box, configure that the stamp is to be applied transparent colored: [*box*] BO_CREATION GRAY_STAMP

....

🔍 example

The stamp is applied as transparent colored stamp onto the document:

Extract of the stamp layout file:

```
...
BO_CREATION              GRAY_STAMP
...
```


....
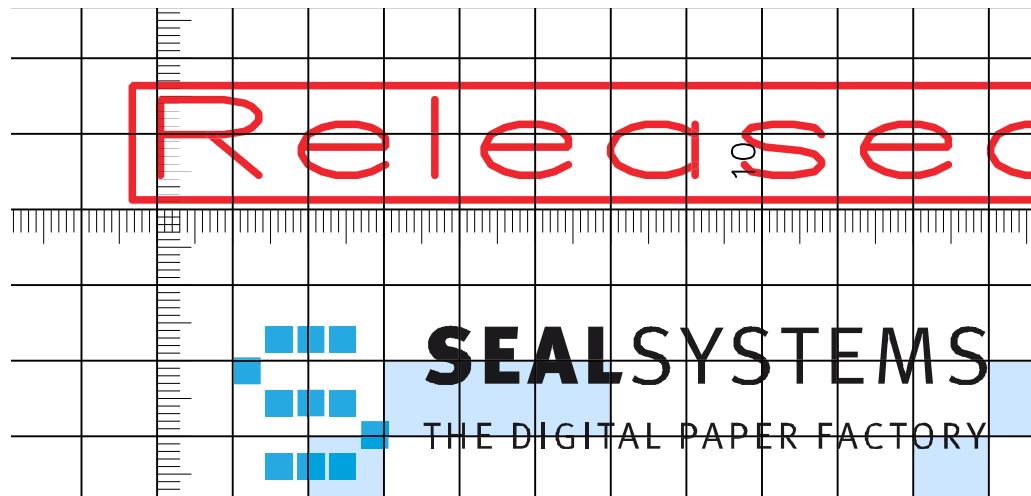
Configure a Transparent Gray Stamp

....

The colors or grayscales of a transparent colored stamp are displayed in grayscales, the document contents show through.

<div align="right">transparent gray</div>

....

The text or graphic stamp has been configured:

<div align="right">requirement</div>

→ *Configure a Text Stamp*, page 22

→ *Configure a Graphic Stamp*, page 23

....

This is how you configure that a stamp is applied transparent gray:

<div align="right">instructions</div>

Step	Action

1	In the section for the stamp box, configure that the stamp is to be applied transparent gray:
	 `[box]`
	    `BO_CREATION GRAY_STAMP`

2	Set the `PDF_GRAYSTAMP` environment variable to `gray`. Alternative with `pdfstamp/pdfstamphft`: When calling `pdfstamp/pdfstamphft`, specify the `-graystamp` parameter with `gray`.

....

The stamp is applied as transparent gray stamp onto the document:

<div align="right">🔍 example</div>

Extract of the stamp layout file:

```
...
BO_CREATION          GRAY_STAMP
...
```

environment variable:

```
PDF_GRAYSTAMP=gray
```


....
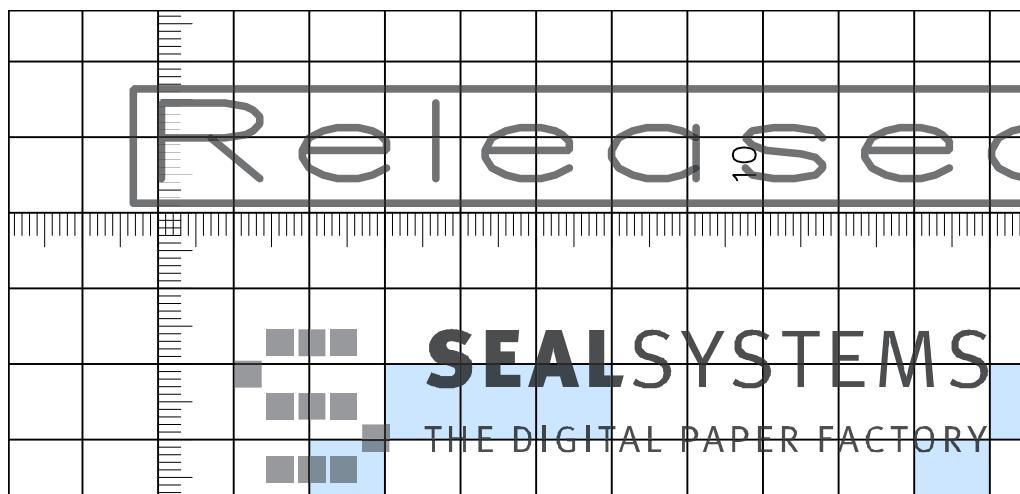
Configure a Gray-Simulated Stamp

....

gray-simulated   The colors or grayscales of a stamp are simulated by black and white, the document contents show through.

....

requirement   The text or graphic stamp has been configured:

→ *Configure a Text Stamp*, page 22

→ *Configure a Graphic Stamp*, page 23

....

instructions   This way, you configure a gray-simulated stamp:

Step	Action

1	In the section for the stamp box, configure that the stamp is to be applied gray-simulated:
	`[box]`
	`    BO_CREATION GRAY_STAMP`

2	Set the `PDF_GRAYSTAMP` environment variable to `simulated`. Alternative with `pdfstamp/pdfstamphft`: When calling `pdfstamp/pdfstamphft`, specify the `-graystamp` parameter with `simulated`.

....

🔍 example   The stamp is applied as gray-simulated stamp onto the document:

Extract of the stamp layout file:
```
...
BO_CREATION             GRAY_STAMP
...
```
environment variable:
```
PDF_GRAYSTAMP=simulated
```


....
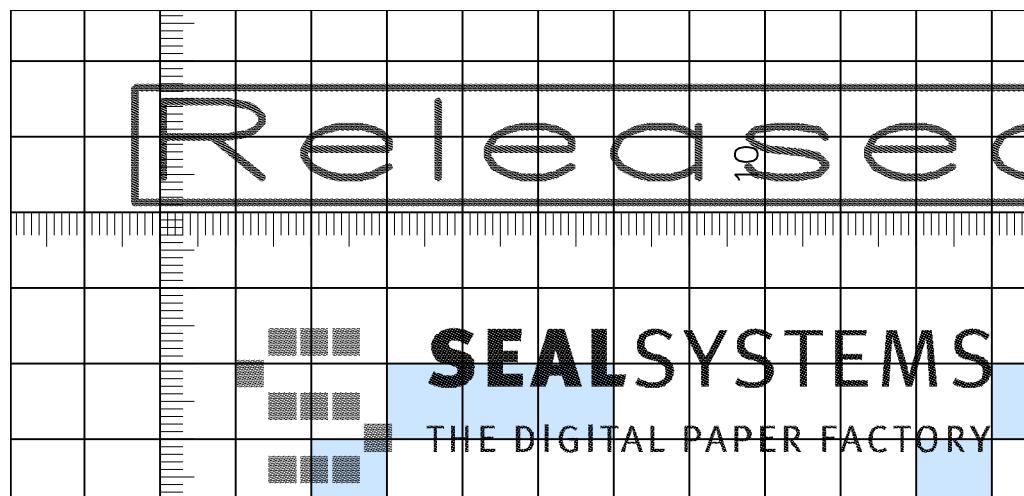
Configure a Watermark

....

The watermark is output behind the document, the document contents are not covered.

....

The text or graphic stamp has been configured:

→ *Configure a Text Stamp*, page 22

→ *Configure a Graphic Stamp*, page 23

....

This is how you configure a watermark:

Step	Action
1	In the section for the stamp box, configure that the stamp is to be applied as watermark behind the document: [*box*] BO_CREATION WATERMARK

....

The stamp will be applied as watermark behind the document.

🔍 example

Extract of the stamp layout file:

```
...
BO_CREATION            WATERMARK
...
```


....
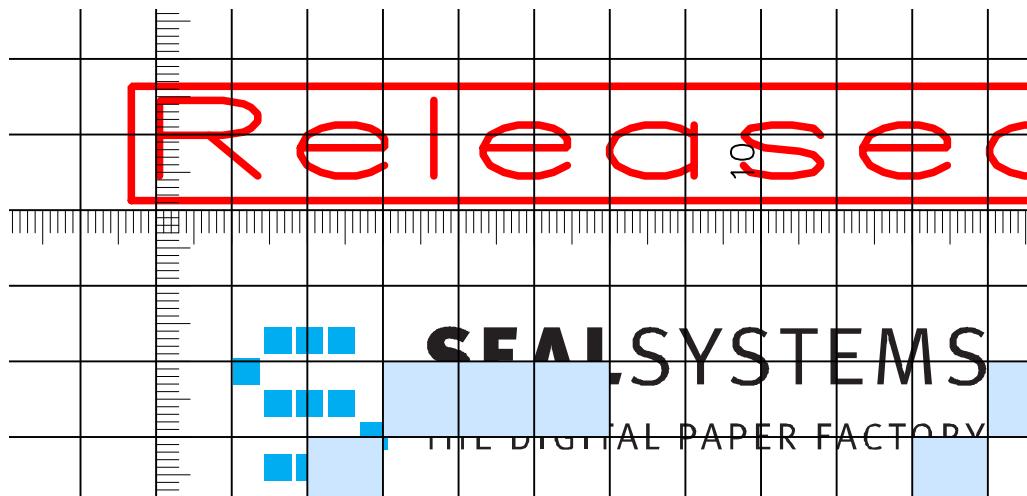
Configure the Stamp Background

....

background

The stamp background can be displayed in the following variants:

- TRANSPARENT: The document shows through the stamp background. The stamp foreground, that means the stamp text for example, does not show through.
- OPAQUE: The whole stamp including its border covers the document.
- BLANKED: The graphic elements of the stamp have a white border within which the document is covered completely. In the other part of the stamp, the document shows through.

....

hint - graphic stamp

With graphic stamps, BLANKED has the same effect as TRANSPARENT.

....

Caution - not supported

White areas with the variants OPAQUE and BLANKED are created by overprinting with white color, not by clipping the graphics elements that are to be covered. Therefore, these two variants are not supported by all device types. With pen plotters, for example, only TRANSPARENT is possible as stamp background.

Transparent stamps are supported with restrictions. For example, watermarks can not be used in files generated by gXconvert.

....

requirement

The text or graphic stamp has been configured:

→ *Configure a Text Stamp*, page 22

→ *Configure a Graphic Stamp*, page 23

....

instructions

This is how you configure the stamp background:

Step	Action
1	In the section for the stamp box, configure how the background of the stamp is to be applied: [*box*] *BO_BACKGROUND background*

.... *To be continued*

Configure the Stamp Background, Continuation

....

The background of the stamp covers the document contents completely, that means it is opaque:

🔍 example
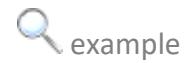
Extract of the stamp layout file:

```
...
BO_BACKGROUND          OPAQUE
...
```


....

Configure an Invisible Stamp

invisible

Invisible stamps are invisible on all backgrounds but can be selected.

background
knowledge

In scanned documents which were processed with OCR the found texts cover invisible the document at the original positions. Thereby, these texts can be searched in the document and selected.

requirement

The text or graphic stamp has been configured:

→ *Configure a Text Stamp*, page 22

→ *Configure a Graphic Stamp*, page 23

instructions

This is how you configure an invisible stamp:

Step	Action
1	In the used PDF configuration file, check if the font is configured as invisible. `PDF.font:    nr   INVISIBLE    pdo`

2	In the section for the stamp text, configure that an invisible font is to be used:
	`[text]`
	`    TX_FONT        nr`

3	In the section for the stamp box, configure that no frame is to be drawn:
	`[box]`
	`    BO_BORDER      N`

4	In the section for the stamp box, configure that the background of the stamp is to be transparent.
	`[box]`
	`    BO_BACKGROUND  TRANSPARENT`

hint -
invisible fonts

The `INVISIBLE` render mode in the font definition in the PDF configuration file is responsible for the visibility of the font. By changing the render modus, further fonts can be set invisible.

→ *Items of the PDF Configuration File*, page 150

..To be continued

Configure an Invisible Stamp, Continuation

....

The stamp is applied onto the document but invisible:

example

Extract of the PDF configuration file:

```
PDF.font:    -4001   Helvetica    INVISIBLE    helvetica.pdo
```

Extract of the stamp layout file:

```
[Text_0]
  ...
  TX_FONT             -4001
  ...
[Box_0]
  ...
  BO_BORDER           N
  BO_BACKGROUND       TRANSPARENT
  ...
```

....

Draw a Frame Around the Stamp Box

....

frame   The frame is a rectangle around the stamp box which can be than surrounded
                  by a visible frame line for example.

....

⚠ **Caution** -   Frames are only supported for text stamps and not for graphic stamps.
graphic stamp
                  ....

requirement   The reference point of the stamp box has been configured:

                  → *Configure the Reference Point of a Stamp Box*, page 24

                  ....

instructions   This is how you draw a frame around a stamp box:

Step	Action

1	In the section for the stamp box, configure that a frame is to be drawn around the stamp box:
	`[box]`
	`    BO_BORDER        Y`

2	In the section for the stamp box, optionally configure the distance from the stamp box to the frame:
	`[box]`
	`    BO_OFFSETX      offset`
	`    BO_OFFSETY      offset`
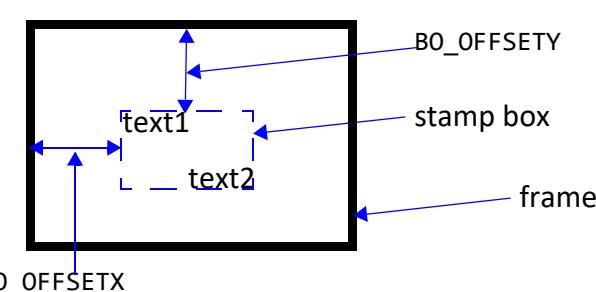
3	In the section for the stamp box, optionally configure the color of the frame:
	`[box]`
	`    BO_COLOR        color`

4	In the section for the stamp box, optionally configure the line width of the frame:
	`[box]`
	`    BO_LWSC         linewidth`

....*To be continued*

Draw a Frame Around the Stamp Box, Continuation

....

The stamp is applied with a red frame in a distance of 3 mm and a line width of 2 mm:

🔍 example
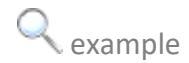
Extract of the stamp layout file:

```
[Box_0]
...
  BO_OFFSETX      0.003
  BO_OFFSETY      0.003
  BO_BORDER       Y
  BO_COLOR        2
  BO_LWSC         0.002
...
```


....

Rotate a Stamp Box

....

requirement   The reference point of the stamp box has been configured:

→ *Configure the Reference Point of a Stamp Box*, page 24

....

instructions   This is how you configure that the stamp box is applied rotated:

Step	Action
1	In the section for the stamp box, configure the rotation angle for the stamp box: `[`*box*`]` `    BO_ANGLE        `*angle*

....

example   The stamp box will be rotated clockwise by 20°:

Extract of the stamp layout file:
```
[Box_0]
    ...
    BO_ANGLE        -20.0
    ...
```


....
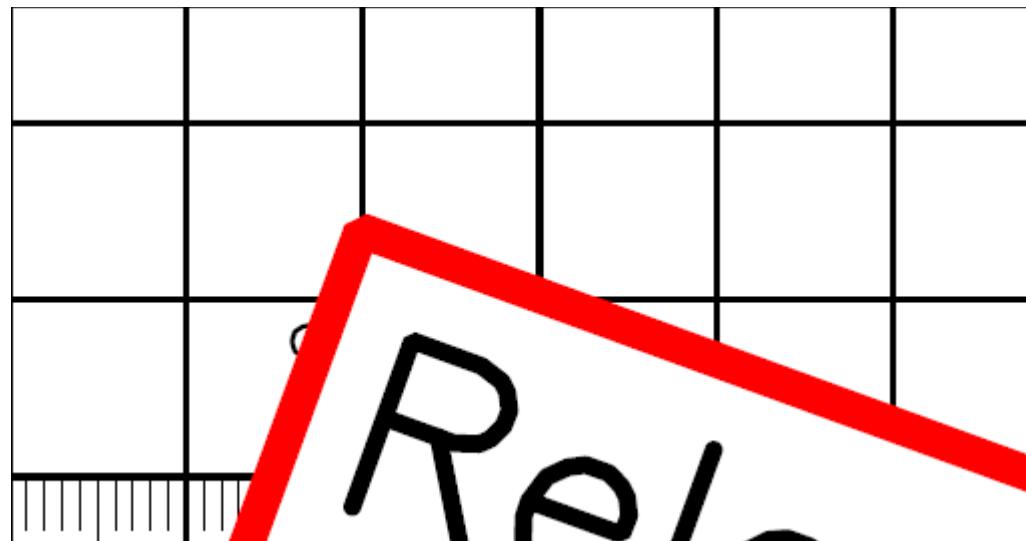
Configure the Pages to Be Stamped

....

The text or graphic stamp has been configured: requirement

→ *Configure a Text Stamp*, page 22

→ *Configure a Graphic Stamp*, page 23

....

This is how you configure the pages to be stamped: instructions

Step	Action

1	In the section for the stamp box, configure the pages to be stamped:
	`[box]`
	`    BO_PAGES_TO_STAMP      pages`

....

With PLOSSYS netdome, you can additionally specify if only the first page is to be stamped; if the back sides are to be stamped differently to the front sides and if the page numbers are to be related to the set collation:
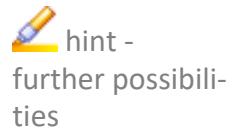
→ *Stamp Only the First Page*, page 56

→ *Stamp the Front and Back Sides Differently*, page 57

→ *Relate Pages to Collection Set*, page 58

hint - further possibilities

With `pdfstamp`/`pdfstamphft`, you can additionally specify the pages to be stamped:

→ *Specify the Pages to Be Stamped*, page 70

....

The stamp is applied onto the odd pages: examples

Extract of the stamp layout file:
```
[Box_0]
    BO_PAGES_TO_STAMP      odd
```
The stamp is applied onto each 5th page starting with page 3:

Extract of the stamp layout file:
```
[Box_0]
    BO_PAGES_TO_STAMP      3MOD5
```

....

Preset the Stamp Text

....

requirement   The text stamp has been configured:

→ *Configure a Text Stamp*, page 22

....

instructions   This is how you configure a default for a stamp text:

Step	Action

1	In the section for the stamp text, configure the text that is to be preset:
	`[text]`
	`    TX_TEXT          text`

....

example   The `Status unknown` text is output as text for the stamp unless another stamp text is passed explicitly:

Extract of the stamp layout file:
```
[Text_0]
  ...
  TX_TEXT       "Status unknown"
  ...
```

....

Align a Stamp Text to the Stamp Box

....

Relative to the reference point of the stamp box, you configure the alignment and the starting point of the stamp text.

....

The reference point of the stamp box has been configured:

→ *Configure the Reference Point of a Stamp Box*, page 24

....

This is how you position a stamp text relatively to the reference point of the stamp box:

Step	Action

1	In the section for the stamp text, configure the horizontal alignment corresponding to the stamp box:
	
	`[text]`
	`    TX_ALIGNMENT_HOR    align`

2	In the section for the stamp text, configure the vertical alignment corresponding to the stamp box:
	
	`[text]`
	`    TX_ALIGNMENT_VER    align`

....*To be continued*

Align a Stamp Text to the Stamp Box, Continuation

....

instructions,
cont'd

This is how you position a stamp text relatively to the reference point of the stamp box, continuation:

Step	Action

3	In the section for the stamp text, configure the vertical and horizontal distance to the reference point of the stamp box:
	
	`[text]`
	`    TX_OFFSETX      offset`
	`    TX_OFFSETY      offset`

....

🔍 example
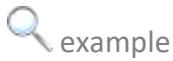
The stamp text starts with 1 cm as vertical distance to the reference point of the stamp box and with 2 cm as horizontal distance. The starting point of the stamp text is located on its base line:

Extract of the stamp layout file:
```
[Text_0]
   ...
   TX_ALIGNMENT_HOR      RIGHT
   TX_ALIGNMENT_VER      BASE
   TX_OFFSETX            0.02
   TX_OFFSETY            0.01
   ...
```

....

Group Stamp Texts

....

You can compile multiple stamp texts in a stamp box in order to apply multiline stamps onto the document for example.

multiline

....

The text stamp to be grouped have been configured:

requirement

→ *Configure a Text Stamp*, page 22

....

This is how you group multiple stamp texts to a stamp box:

instructions

Step	Action
1	In the section for the stamp box, configure the section names of the text stamps to be grouped: `[`*box*`]` `BO_CONTENTS    `*text1 text2 ... textn*

....

The `Text1` and `Text2` text stamps are applied as two lines in a stamp box:
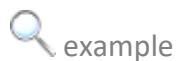
🔍 example

Extract of the stamp layout file:

```
[STAMP_DEFINITION]
   TEXT_DEFINITIONS      Text_1 Text_2
   BOX_DEFINITIONS       Box_1
      ...
[Text_1]
   ...
   TX_ALIGNMENT_HOR  CENTER
   TX_ALIGNMENT_VER  TOP
   TX_TEXT           "Released"
   ...
[Text_2]
   ...
   TX_ALIGNMENT_HOR  CENTER
   TX_ALIGNMENT_VER  BASE
   TX_TEXT           "2013-12-10"
   ...
[Box_1]
   ...
   BO_CONTENTS       Text_1 Text_2
   ...
```

PDF-Testpri

....

Configure the Repetition of a Stamp

....

repetition

A stamp box can be applied repeatedly in a line or even all over the whole document. For this, a vector or two vectors will be configured. If a vector is specified, the stamp box is repeated along the direction configured by the vector as often as the correspondent document borders are reached. If two vectors are specified, the stamp box is repeated along both directions as often as all document borders are reached.

....

requirement

The text or graphic stamp has been configured:

→ *Configure a Text Stamp*, page 22

→ *Configure a Graphic Stamp*, page 23

....

instructions

This is how you configure that the stamp box is repeated:

Step	Action
1	If the stamp box is to be repeated in horizontal direction, you configure the vector coordinates for the horizontal direction in the section for the stamp box: [*box*] BO_REP_X *x y*
2	If the stamp box is to be repeated in vertical direction, you configure the vector coordinates for the vertical direction in the section for the stamp box: [*box*] BO_REP_Y *x y*

.... *To be continued*

Configure the Repetition of a Stamp, Continuation

....

The stamp is repeated over the whole document:

🔍 example
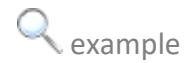
Extract of the stamp layout file:

```
[Box_0]
   ...
   BO_ALIGNMENT_HOR     LEFT
   BO_ALIGNMENT_VER     BOTTOM
   BO_ANGLE             20.0
   BO_DISTANCEX         0.01
   BO_DISTANCEY         0.01
   BO_FRAME             seal_logo.met
   BO_REP_X             0.06 0.12
   BO_REP_Y             0.10 0.05
   ...
```

....
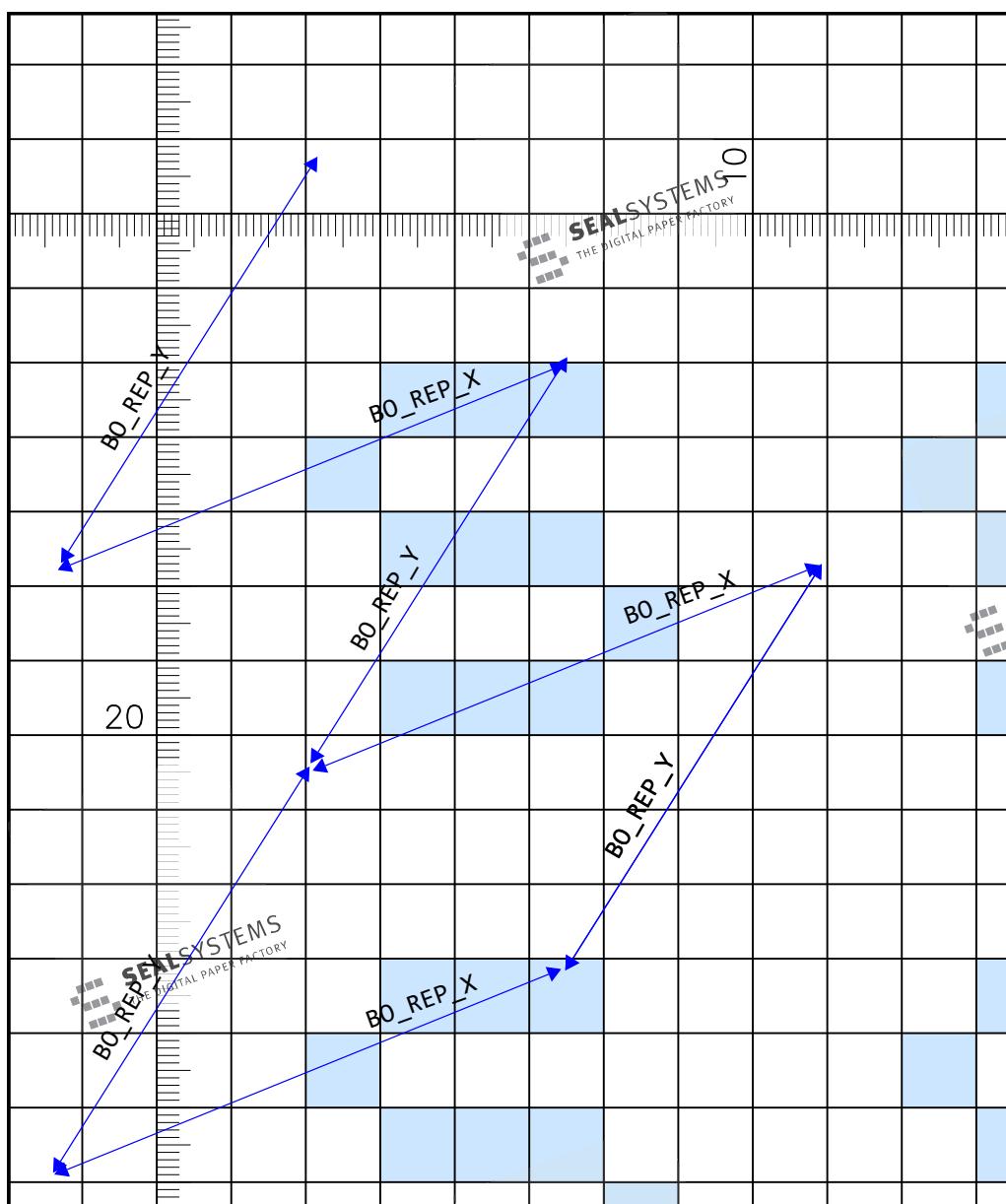
Configure the Character Width and Spacing

....

requirement   The text stamp has been configured:

→ *Configure a Text Stamp*, page 22

....

instructions   This is how you configure the character width and the spacing of the stamp text:

Step	Action

1	In the section for the stamp text, configure the factor for the character width:
	`[text]`
	`    TX_EXPANSION    factor`

2	In the section for the stamp text, configure the factor for the additional space between two characters:
	`[text]`
	`    TX_SPACING      factor`

....

hint - mir-   With negative values in `TX_EXPANSION` and `TX_SPACING`, the stamp text is applied
rored   mirrored.

....

example   The stamp text is output with the double character width and the threefold
                    spacing:

Extract of the stamp layout file:

```
[Text_1]
    ...
    TX_EXPANSION       2.0
    TX_SPACING         3.0
    ...
```


....
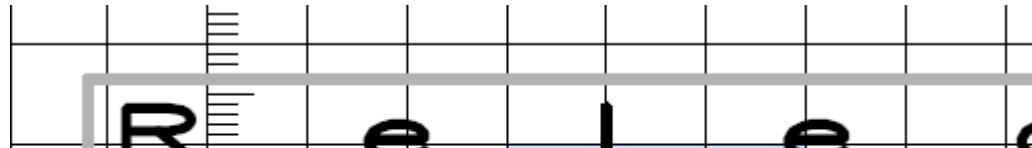
4 PLOSSYS netdome - Further Configuration and Operations

....

This chapter describes what you can configure additionally when stamping with PLOSSYS netdome and how you stamp with PLOSSYS netdome:

in this chapter

Topic	Page
Stamp a Document	48
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Apply a Flagpage Onto a Document	61

....

For information about PLOSSYS netdome header, refer to [PLOSSYS-_PARAM_TEC].

reference

For information about the PLOSSYS netdome configuration file, `plossys.cfg`, refer to [NETDOME_TEC].

....

Stamp a Document

....

stamping

PLOSSYS netdome stamps a document

- if a general stamp layout file has been configured
  → *Stamp Over All Output Queues*, page 49

- or if a stamp layout file has been configured for the output queue to which the document is output
  → *Queue-Specific Stamp*, page 50

- or if a stamp layout file is passed with the output job
  → *Job-Specific Stamp*, page 51

- and if default stamp texts are available or stamp texts are passed with the output job files.

....

hint -
no stamps

Stamps will only be applied if stamp boxes are configured in the stamp layout file.

....

Stamp Over All Output Queues

....

You can configure stamps for all documents independent of the output queues.   *general*

....

This is how you stamp generally over all output queues: *instructions*

Step	Action
1	Configure the stamps in the stamp layout file `%PLSPLT%\`*`general`*`.stp`.

2	Configure the name of the stamp layout file in `plossys.cfg` in the `[SYSTEM]` section with the `STPFILE` item:
	`    [SYSTEM]`
	`      ...`
	`        STPFILE `*`general.stp`*
	`      ...`

3	Restart PLOSSYS netdome.

....

The stamps are identical for all output queues and configured in `stamp.cfg`:   🔍 example
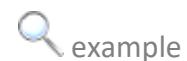
Extract of `plossys.cfg`:
```
  [SYSTEM]
    ...
    STPFILE       stamp.stp
    ...
```

....

Queue-Specific Stamp

....

queue-specific   You can configure separate stamps for each output queue. The settings are valid for all jobs output to this output queue.

....

instructions   This is how you stamp specific for an output queue:

Step	Action
1	Configure the stamps for the output queue, *queue*, in the stamp layout file, `%PLSPLT%\`*specific*`.stp`.

2	Configure the name of the stamp layout file in `plossys.cfg` in the section for the output queue with the `STPFILE` item:
	 `[queue]`
	 `...`
	 `    STPFILE` *specific*`.stp`
	 `...`
	
	 ✏️ hint - default:
	
	 By default, the stamp layout file with the same name as the output queue and the `.stp` extension is taken, that means *queue*`.stp` for the output queue, *queue*.

3	Restart the output queue.

....

✏️ hint -
deactivate

In order to deactivate stamping for an output queue, specify `STPFILE ""`.

....

🔍 example

The stamps are identical for all output queues except `printer1` and `printer3` and are configured in `stamp.cfg`: Documents output to `printer1` are not stamped. The stamps for the output to `printer3` are configured in `printer3_-stamp.cfg`:

Extract of `plossys.cfg`:
```
[SYSTEM]
   ...
   STPFILE      stamp.stp
   ...
[printer1]
   ...
   STPFILE      ""
   ...
[printer3]
   ...
   STPFILE      printer3_stamp.stp
   ...
```

....

Job-Specific Stamp

....

You can configure separate stamps for each output job.   job-specific

....

For passing a job-specific stamp layout file, it is required that the correspondent   requirement
gates are configured this way that they save the passed file in the
%PLSDATA%\plotserv\associated directory using the correct name. With
converters, this behavior is preset.

....

Example of the required items for the HPGL gate: 🔍 example -
                                                                    HPGL gate
In %PLSROOT%\server\plotserv\gates\hpgl\hpglgate.def:

```
...
[Maingate]
  ...
  stamp = stp
  ...
[FileExtOptional]
  ...
  stamp = stp
  ...
...
```

....

This is how you stamp specific for an output job: instructions

Step	Action
1	Configure the stamps for the output job, *jobid*, in the stamp layout file, *specific*.stp.
2	Pass the stamp layout file together with the other output job files as *jobid*.stp to the %PLSDATA%\plotserv\associated directory. Alternative: Save the stamp layout file into %PLSPLT% and specify the name of the stamp layout file into the header of the output job as extension at the stamp text: $ PLS_STAMP_*n* == "$*specific*$*text*"
3	Restart the output queue.

....

If the job-specific stamp is a graphic stamp, you have to pass the correspondent   ✏️ hint - graph-
graphic file together with the stamp layout file: ic stamp
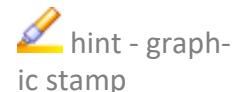
....*To be continued*

Job-Specific Stamp, Continuation

....

example
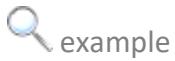
The Excel document, `test.xlsx`, is stamped according to the stamp layout file, `test.stp`, the `PLS_STAMP_3` stamp is stamped according to the stamp layout file, `stamp3.stp`:

Extract of the `test.hed` header:
```
$ PLS_STAMP_3 == "$stamp3.stp$Released"
```

The job files, `test.xlsx`, `test.stp`, `test.hed` and `stamp3.stp` are passed to PLOSSYS netdome.

....

Pass a Stamp Text via a Header

....

The stamp texts can be passed in the header of the output job or specified in the default headers of the gates and so on.

header

....

The text stamp has been configured:

requirement

→ *Configure a Text Stamp*, page 22

....

This is how you use texts contained in a header as stamps:

instructions

Step	Action
1	In the header of the output job, enter the texts line-by-line: `$ PLS_STAMP_n == "text"` *n* can be between `0` and `99`.
2	Pass the header to PLOSSYS netdome together with the other job files.

....

In order to deactivate the default for a stamp text in the stamp layout file, enter `PLS_STAMP_n == ""` with the appropriate number, *n* in the header of the output job. Then, this stamp will not be applied.

hint - default

....

If you want to use quotes „ and " as special characters in a stamp text, you have to quote these by backslashes:

    `$ PLS_STAMP_0 == \„My text\"`

hint - quotes

....

The stamp texts are passed in the header:

```
...
$ PLS_STAMP_0 == "Released"
$ PLS_STAMP_1 == "2013-12-03"
$ PLS_STAMP_2 == "John Smith"
...
```

example

....

Use a Variable in a Stamp Text

....

variables

With PLOSSYS netdome, you can use PLOSSYS netdome-specific variables, header items or any environment variable in the stamp texts.

....

PLOSSYS net-dome-specific

This is how you specify a PLOSSYS netdome-specific variable in such a way that its value is output:

`$Variable`

This is how you specify a PLOSSYS netdome-specific variable in such a way that the variable itself is output:
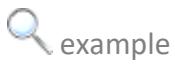
`$$Variable`

....

example

The stamp 0 is to be applied with the `$PLS_PLOTTER=device` text:

`$ PLS_STAMP_0 == $$PLS_PLOTTER=$PLS_PLOTTER`

When outputting the document, for example, to the `DesignJet` output queue, the following is stamped onto the document:

`$PLS_PLOTTER=DesignJet`

....

environment variable

This is how you specify an environment variable in such a way that its value is output:

`%Variable%`

This is how you specify an environment variable in such a way that the variable itself is output:

`%%Variable%%`

....
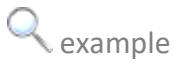
example

The stamp 2 is to be applied with the `%USERNAME%` = `user` text:

`$ PLS_STAMP_2 == "%%USERNAME%% = %USERNAME%"`

When, for example, the logged-on user, `Smith`, outputs the document, the following is stamped onto the document:

`%USERNAME% = Smith`

....

Rotate and/or Scale the Stamps with the Document

....

The text or graphic stamp has been configured: requirement

→ *Configure a Text Stamp*, page 22

→ *Configure a Graphic Stamp*, page 23

....

This is how you configure if the stamp is rotated and/or scaled together with the   instructions
document:

Step	Action

1	In the stamp layout file in the section for the stamp box, configure if the stamp box is to be rotated with the document:
	`[box]`
	`    BO_ROTATE          ROTATE|NOT_ROTATE`

2	In the stamp layout file, configure the default if the stamp box is to be scaled with the document: `    SCALE_STAMP        YES|NO`

3	In the stamp layout file in the section for the stamp box, configure if the stamp box is to be scaled with the document:
	`[box]`
	`    BO_SCALE_BOX      YES|NO`
	
	🖊 hint - default:
	
	`SCALE_STAMP` is used as default for `BO_SCALE_BOX`.

4	Restart the output queue.

....

All stamp except `Box_3` are scaled with the document: 🔍 example

Extract of the stamp layout file:

```
...
SCALE_STAMP          YES
...
[Box_3]
...
   BO_SCALE_BOX     NO
...
```

....

Stamp Only the First Page

....

multi-page

When stamping multi-page documents, you can configure that only the first page is to be stamped.

....

requirement

The text or graphic stamp has been configured:

→ *Configure a Text Stamp*, page 22

→ *Configure a Graphic Stamp*, page 23

....

instructions

This is how you configure that only the first page of multi-page documents is stamped:

Step	Action
1	In the header of the output job, enter the following: `$ PLS_ONLYFIRSTSTP == YES`
2	Pass the header to PLOSSYS netdome together with the other job files.

....

🖌 hint - further possibili- ties

In the stamp layout file, you can configure for each stamp box onto which page the stamp is to be applied:

→ *Configure the Pages to Be Stamped*, page 39

....

🔍 example

In the `text.docx` document, only the first page is to be stamped:

Extract of the `test.hed` header:
`$ PLS_ONLYFIRSTSTP == YES`

The job files, `test.docx` and `test.hed`, are passed to PLOSSYS netdome.

....

Stamp the Front and Back Sides Differently

....

When stamping multi-page documents, you can configure that the front and back sides are to be stamped differently.

multi-page

....

This is how you configure different stamps for the front and the back sides:

instructions

Step	Action
1	Configure the stamps of the front sides in the stamp layout file *name*`.stp`.
2	Configure the stamps of the back sides in the extra stamp layout file *name*`.pts`. The stamp layout file for the back sides must have the same name as the stamp layout file for the front sides but `pts` as extension instead of `stp`.
3	In the header of the output job, enter the following: `$ PLS_DIFBACKSTP == YES`
4	Restart the output queue.

....

In the `test.docx` document, the front and back sides are to be stamped differently. The stamps for the front sides are configured in `stamp.stp`:

example
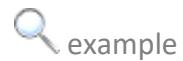
Extract of the `test.hed` header:
```
$ PLS_DIFBACKSTP == YES
```
The stamps for the back sides are configured in `stamp.pts`: The stamp layout files, `stamp.stp` and `stamp.pts` are available in PLOSSYS netdome. The job files, `test.docx` and `test.hed`, are passed to PLOSSYS netdome.

....

Relate Pages to Collection Set

....

requirement   The text or graphic stamp has been configured:

→ *Configure a Text Stamp*, page 22

→ *Configure a Graphic Stamp*, page 23

....

instructions   This is how you configure that the pages evaluated for stamping relate to the set collation:

Step	Action

1	In the stamp layout file in the section for the stamp box, configure that the page numbers for stamping are to be related to the set collation:
	`[box]`
	    `BO_PAGES_DOMAIN      SET`

....

example   The stamp is applied onto the odd pages of the set collation:

Extract of the stamp layout file:
```
[Box_0]
    BO_PAGES_TO_STAMP      odd
    BO_PAGES_DOMAIN        SET
```

....

Pass a Graphic File With a Job

....

The graphic stamp has been configured:

→ *Configure a Graphic Stamp*, page 23

For passing graphic files as graphic stamps, it is required that the correspondent gates are configured this way that they save the passed file in the `%PLSDATA%\plotserv\associated` directory using the correct name. With converters, this behavior is preset.

....

Example of the required items for the HPGL gate:

In `%PLSROOT%\server\plotserv\gates\hpgl\hpglgate.def`:

```
...
[Maingate]
  ...
  stampmet = stm
  ...
[FileExtOptional]
  ...
  stampmet = stm
  ...
```

example - HPGL gate

....

This is how you pass a graphic file with the job files:

instructions

Step	Action

1	In the stamp layout file in the section for the stamp box, configure that the graphic file is passed with the job:
	`    [box]`
	`      ...`
	`      BO_FRAME *`
	`      ...`

2	Restart the output queue.
3	Pass the graphic file to PLOSSYS netdome together with the other job files.

....

In the `test.docx` document, the passed graphic file, `logo.met`, is applied as graphic stamp:

example

Extract of the stamp layout file:

```
  [Box_1]
    ...
    BO_FRAME *
    ...
```

The graphic file, `logo.met`, is passed as `test.stm` as job file to PLOSSYS netdome.

....

Use a Variable in a GKS Metafile

....

variables in GKS
metafile

In GKS metafiles, you can specify fix texts and all header items as variable, for example, PLS_PLOTID. The specified header items are replaced by its current values.

....

requirement

The graphic stamp has been configured:

→ *Configure a Graphic Stamp*, page 23

....

instructions

This is how you use variables in GKS metafiles:

Step	Action
1	In the GKS metafile, specify the GKSM keyword, the text coordinates, the text length and the text or, with $, the header item.

....

example

The GKS metafile, stamp.met, is applied as graphic stamp. In the graphic stamp, the values of some header items are output:

Extract of stamp.met:

```
...
GKSM     13    36    -0.2500    0.35000    12PLS_PLOTOPT:
GKSM     13    36    0.00000    0.35000    12$PLS_PLOTOPT
GKSM     13    37    -0.2500    0.30000    13PLS_PLOTSIZE:
GKSM     13    37    0.00000    0.30000    13$PLS_PLOTSIZE
...
```


....
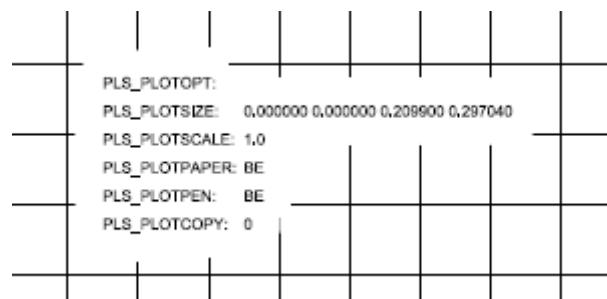
Apply a Flagpage Onto a Document

....

In contrast to the other stamps, the flagpage may be output outside the document as well.

flagpage

....

The configuration and the application of a flagpage via PLOSSYS netdome is described in [NETDOME_TEC].

reference

....

5   pdfstamp/pdfstamphft - Further Configuration and Operations

in this chapter

This chapter describes what you can configure additionally when stamping with `pdfstamp`/`pdfstamphft` and how you stamp with `pdfstamp`/`pdfstamphft`:

Topic	Page
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Pass a Stamp Text via a Header	65
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Configure Format-Specific Stamps	78

stamp template

With `pdfstamp`/`pdfstamphft`, you can also stamp by using stamp templates.

→ *Stamping Using a Stamp Template*, page 80

Stamp a Document

....

The stamp layout file containing the configured stamps and the PDF configuration file are available.

....

This is how you stamp a document with `pdfstamp/pdfstamphft`:

Step	Action
1	When calling `pdfstamp/pdfstamphft`, specify the stamp layout file with the `-stp` parameter, the PDF configuration file with the `-db` parameter and optionally further parameters: `pdfstamp -f file -stp stpfile -db dbfile ...`

....

The document, `original.pdf`, is stamped according to the configuration in the stamp layout file, `default.stp`, and the PDF configuration file, `default.db`. The output file is named `stamped.pdf`:

```
pdfstamp -f original.pdf -stp default.stp -db default.db
    -o stamped.pdf
```

example

....
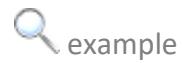
Pass a Stamp Text via a Stamp Text File

requirement   The stamp layout file containing the configured stamps and the PDF configuration file are available.

instructions   This is how you use texts contained in a stamp text file as stamps:

Step	Action
1	In the stamp text file, *stamptextfile*, enter the texts line-by-line: *text1* *text2* *text3* *text4* ... You can configure up to 100 stamps.

2	When calling `pdfstamp/pdfstamphft`, specify the stamp text file, *stamptextfile*, with the `-txt` parameter:
	`pdfstamp -f file -stp stpfile -db dbfile`
	`    -txt stamptextfile`

example   The document, `original.pdf`, is stamped. The stamp texts are taken from the stamp text file, `stamps.txt`:

```
pdfstamp -f original.pdf -stp default.stp -db default.db
    -txt stamps.txt
```

with the stamp text file, `stamps.txt`:

```
Released
2013-12-03
John Smith
```

Pass a Stamp Text via a Header

....

The stamp layout file containing the configured stamps and the PDF configuration file are available.   requirement

....

This is how you use texts contained in a header as stamps: instructions

Step	Action
1	In the header, *header*, enter the texts line-by-line: `$ PLS_STAMP_n == "textn"` *n* can be between `0` and `99`.

2	When calling `pdfstamp/pdfstamphft`, specify the *header* header with the `-hed` parameter:
	`pdfstamp -f file -stp stpfile -db dbfile`
	`    -hed header`

....

If you want to use quotes „ and " as special characters in a stamp text, you have to quote these by backslashes: hint - quotes

`$ PLS_STAMP_0 == \„My text\"`

....
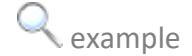
The document, `original.pdf`, is stamped. The stamp texts are taken from the header, `stamps.hed`:   example

```
pdfstamp -f original.pdf -stp default.stp -db default.db
    -hed stamps.hed
```

with the header, `stamps.hed`:

```
...
$ PLS_STAMP_0 == "Released"
$ PLS_STAMP_4 == "2013-12-03"
$ PLS_STAMP_5 == "Smith"
...
```

....

Specify a Stamp Text Directly

requirement
The stamp layout file containing the configured stamps and the PDF configuration file are available.

instructions
This is how you specify texts directly:

Step	Action

1	When calling `pdfstamp`/`pdfstamphft`, specify the texts with the `-t`*n* parameter:
	`pdfstamp -f file -stp stpfile -db dbfile`
	`    -tn "text"`

example
The document, `original.pdf`, is stamped. The `Released` stamp text is specified directly:

```
pdfstamp -f original.pdf -stp default.stp -db default.db
    -t3 "Released"
```

Use a Variable in a Stamp Text

....

With `pdfstamp`/`pdfstamphft`, you can use the following variables in the stamp texts:

variables

Variable	Meaning
%PAGE%	Current page number in the document
%PAGES%	Total page number of the document
%DATE%	the current date in the format specified by the `PDF_DATE_-FORMAT` environment variable. With `PDF_DATE_FORMAT`, you can combine all format strings provided by the C++ strftime method, for example, `%d` for day, `%B` for month name; `%H` for hour or `%M` for minute 🔍 example - `PDF_DATE_FORMAT` With `set PDF_DATE_FORMAT = %dth of %B %H:%M`, the current date and time is output with `%DATE%` in the format: `24th of July 15:26`
%DATEDE%	Current date in the format: *dd.mm.yyyy* 🔍 example - `24.07.2022`
%DATEDEYY%	Current date in the format: *dd.mm.yy* 🔍 example - `24.07.22`
%DATEUS%	Current date in the format: *mm/dd/yyyy* 🔍 example - `07.24.2022`
%DATEUSYY%	Current date in the format: *mm/dd/yy* 🔍 example - `07/24/22`

....

Do not use `%PAGE%` with PDF documents having many pages! For each page, a temporary PDF file with the stamps is generated. This file increases very quickly and, thereby, stamping takes a long time. If you do not use `%PAGE%`, the temporary DPF file will be re-used and must be imported only once. This saves space and computing time.

⚠️ **Caution** - many pages

....*To be continued*

Use a Variable in a Stamp Text, Continuation

....

example
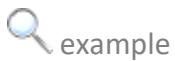
The document, original.pdf, is stamped. The Released stamp text is output
with the current date:

```
pdfstamp -f original.pdf -stp default.stp -db default.db
    -t3 "Released %DATEDE%"
```


....
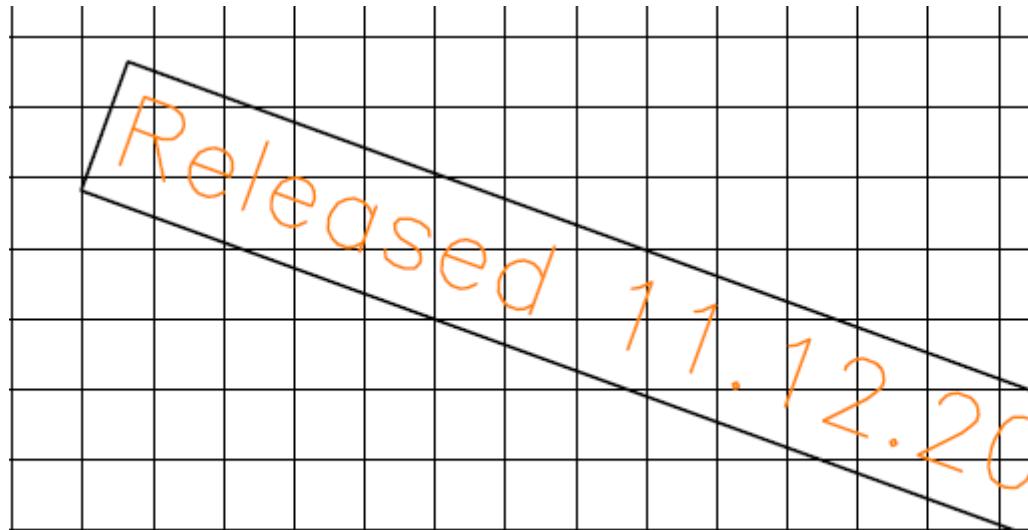
Change the Displayed Page Number

....

The stamp layout file containing the configured stamps and the PDF configuration file are available.

requirement

....

This is how you change the displayed page number:

instructions

Step	Action

1	When calling `pdfstamp`/`pdfstamphft`, specify the page number with which the page numbering is to be started with the `-startpagecount` parameter.
	
	 `pdfstamp -f file -stp stpfile -db dbfile`
	 `    -startpagecount page`
	
	 ✏ hint - `%PAGE%`:
	
	 `%PAGE%` is set to the page number specified with `-startpagecount`.

2	When calling `pdfstamp`/`pdfstamphft`, optionally specify the page number which is to be used as total page count with the `-totalpagecount` parameter: `    -totalpagecount total` ✏ hint - `%PAGES%`: `%PAGES%` is set to the total page number specified with `-totalpagecount`.

....

Page numbers are stamped onto to the document, `original.pdf`. The page numbering is generated with the `t0` stamp text and the `%PAGE%` and `%PAGES%` variables. Because this document is to be output as document part, the page numbering is to start at page 17 and 100 is to be displayed as total page number. Then, the page numbering is displayed as "Page 17 of 100", "Page 18 of 100", and so on:

example

```
pdfstamp -f original.pdf -stp default.stp -db default.db
    -t0 "Page %PAGE% of %PAGES%" -startpagecount 17
    -totalpagecount 100
```

....
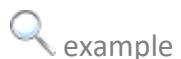
Specify the Pages to Be Stamped

....

requirement   The stamp layout file containing the configured stamps and the PDF configura-
               tion file are available.

....

instructions   This is how you specify the pages to be stamped:

Step	Action
1	When calling `pdfstamp`/`pdfstamphft`, specify the pages to be stamped with the `-p` parameter: `pdfstamp -f `*`file`*` -stp `*`stpfile`*` -db `*`dbfile`*` -p `*`pages`*

....

example   The document, `test.pdf`, is stamped. The first three pages are stamped:
               `pdfstamp -f test.pdf -stp default.stp -db default.db -p 1-3`

....

Keep PDF/A in the Output File

....

The stamp layout file containing the configured stamps and the PDF configuration file are available.

The following requirements must be fulfilled for the keeping of PDF/A:

- The ICC file, `srgb.icc`, must be available in the `%PLSTOOLS%\convcfg` directory.
- The `SEALRESOURCEPATH` environment variable must be set to the `%PLSTOOLS%\convcfg` directory.
- The input file must be conform to PDF/A.

....

requirement

The conformance level of the output file is set to the conformance level of the input file that means, for example, if the input file is conform to PDF/A-2, the output file will be conform to PDF/A-2, too.

conformity level

....

This is how you keep PDF/A for the output file:

instructions

Step	Action
1	When calling `pdfstamp/pdfstamphft`, specify with the `-forcepdfa` parameter that the output file is to be conform to PDF/A and an error message is to be output if this is impossible: `pdfstamp -f file -stp stpfile -db dbfile -forcepdfa`

....

The document, `test.pdf`, is stamped. The output file, `stamped.pdf`, is to be conform to PDF/A like the input file:

example

```
pdfstamp -f test.pdf -stp default.stp -db default.db
   -o stamped.pdf -forcepdfa
```

....

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2023-10-24
Version 1.0.5

Stamping (PLOSSYS netdome, pdfstamp)
User Manual

Mark a Stamp

....

requirement   The stamp layout file containing the configured stamps and the PDF configura-
                   tion file are available.

....

instructions   This is how you mark stamps:

Step	Action

1	When calling `pdfstamp`/`pdfstamphft`, specify the mark for the stamps with the `-sti` parameter:
	`pdfstamphft -f file -stp stpfile -db dbfile`
	`    -sti mark`
	
	🖊 hint - default mark:
	
	When specifying `-sti` without value, the stamps get the default mark, `SEALSTAMP`.

....

🔍 example   The document, `original.pdf`, is stamped. The stamps get the `to_be_deleted`
                   mark:
                   ```
                   pdfstamp -f original.pdf -stp default.stp -db default.db
                       -sti to_be_deleted
                   ```

....

Delete a Stamp

....

The stamps has been marked when stamping:

→ *Mark a Stamp*, page 72

requirement

....

This is how you delete stamps:

instructions

Step	Action
1	When calling `pdfstamp`/`pdfstamphft`, specify the mark for the stamps to be deleted with the `-d` parameter: `pdfstamphft -f` *file* `-d` *mark* 🖊 hint - default mark: If you specify `-d` without value, the stamps with the default mark, `SEALSTAMP`, are deleted.

....

From the document, `original.pdf`, the stamps marked with `to_be_deleted` are deleted:

```
pdfstamp -f original.pdf -d to_be_deleted
```

🔍 example

....
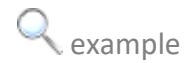
Adobe stamps are deleted with the `-da` parameter.

🖊 hint - Adobe stamp

....

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Version 1.0.5

Stamping (PLOSSYS netdome, pdfstamp)
User Manual
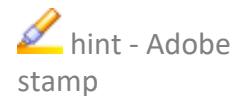
Generate a Stamp As PDF Annotation

....

requirement   The stamp layout file containing the configured stamps and the PDF configura-
                   tion file are available.

....

instructions   This is how you generate stamps as PDF annotations:

Step	Action
1	When calling `pdfstamp`/`pdfstamphft`, specify with the `-ma` param-eter that the stamps are to be generated as PDF annotations: `pdfstamp -f `*`file`*` -stp `*`stpfile`*` -db `*`dbfile`*` -ma`
2	When calling `pdfstamp`/`pdfstamphft`, optionally specify with the `-af` parameter with which properties the PDF annotations are to be generated: `-af `*`properties`*

....

example   The document, `test.pdf`, is stamped. The stamp is configured in the stamp
                   layout file, `default.stp`, and contains the `Released` text. The stamp is generated
                   as PDF annotation that may be printed but not displayed:

```
pdfstamp -f test.pdf -stp default.stp -db default.db
    -t0 "Released" -ma -af 100100
```

....

Reuse the Temporary Stamp File

....

If the sizes of sequential pages in the PDF file are equal or almost equal, the same temporary stamp file is used for stamping. For this page comparison, you can specify a tolerance. Default is 5 mm.

page comparison

....

This is how you change the tolerance for the page comparison:

instructions

Step	Action
1	Set the `PLS_PDF_TOLERANCE_IN_MM` environment variable to the desired tolerance when comparing the pages. 　　`PLS_PDF_TOLERANCE_IN_MM=tolerance`

....

The document, `original.pdf`, is stamped. The temporary stamp file is to be reused if the sizes of the sequential pages differ by up to 8 mm:

example

```
PLS_PDF_TOLERANCE_IN_MM=8
pdfstamp -f original.pdf
```

....
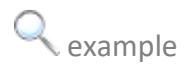
Apply a Flagpage Onto a Document

....

flagpage   In contrast to the other stamps, the flagpage may be output outside the document as well.

....

requirement   The stamp layout file containing the configured stamps and the PDF configuration file are available.

....

instructions   This is how you configure the layout of the flagpage:

Step	Action
1	Generate a flagpage configuration file and configure the position and the layout of the flagpage with the `FP_*` items within. → *Flagpage Configuration*, page 155 ⚠️ **Caution** - not supported: `FP_GENERATE`, `FP_ROTATE` and `FP_UPVECTOR` are not supported by `pdfstamp/pdfstamphft`.

2	When calling `pdfstamp/pdfstamphft`, specify the flagpage configuration file with the `-fp` parameter and the flagpage texts with the `-fptxtn` parameters:
	`pdfstamp -f file -stp stpfile -db dbfile`
	`    -fp flagepagefile -fptxt1 txt1 ... -fptxtn txtn`

....

🔍 example   The document, `original.pdf`, is stamped. The output file is named `flagged.pdf`. It contains the flagpage, "`John Smith 2013-10-11`", according to the configuration in `flagpage.cfg`:

```
pdfstamp -f original.pdf -stp default.stp -db default.db
   -o flagged.pdf -fp flagpage.cfg
   -fptxt1 "John Smith 2013-10-11"
```

with the flagpage configuration file, `flagpage.cfg`

```
FP_POSITION             OUTSIDE
FP_SIDE                 RIGHT
FP_ALIGNMENT            CENTER
FP_COLOR                2
FP_DISTANCEX            0.001
FP_DISTANCEY            0.001
FP_FONT                 -855
FP_LINEWIDTH            0.0005
FP_SPACING              0.000
FP_TEXTSIZE             0.003
FP_CLEARBG              N
```

....*To be continued*

Apply a Flagpage Onto a Document, Continuation

....

generates `flagged.pdf`:

....

Apply a Flagpage Onto a Document, Continuation
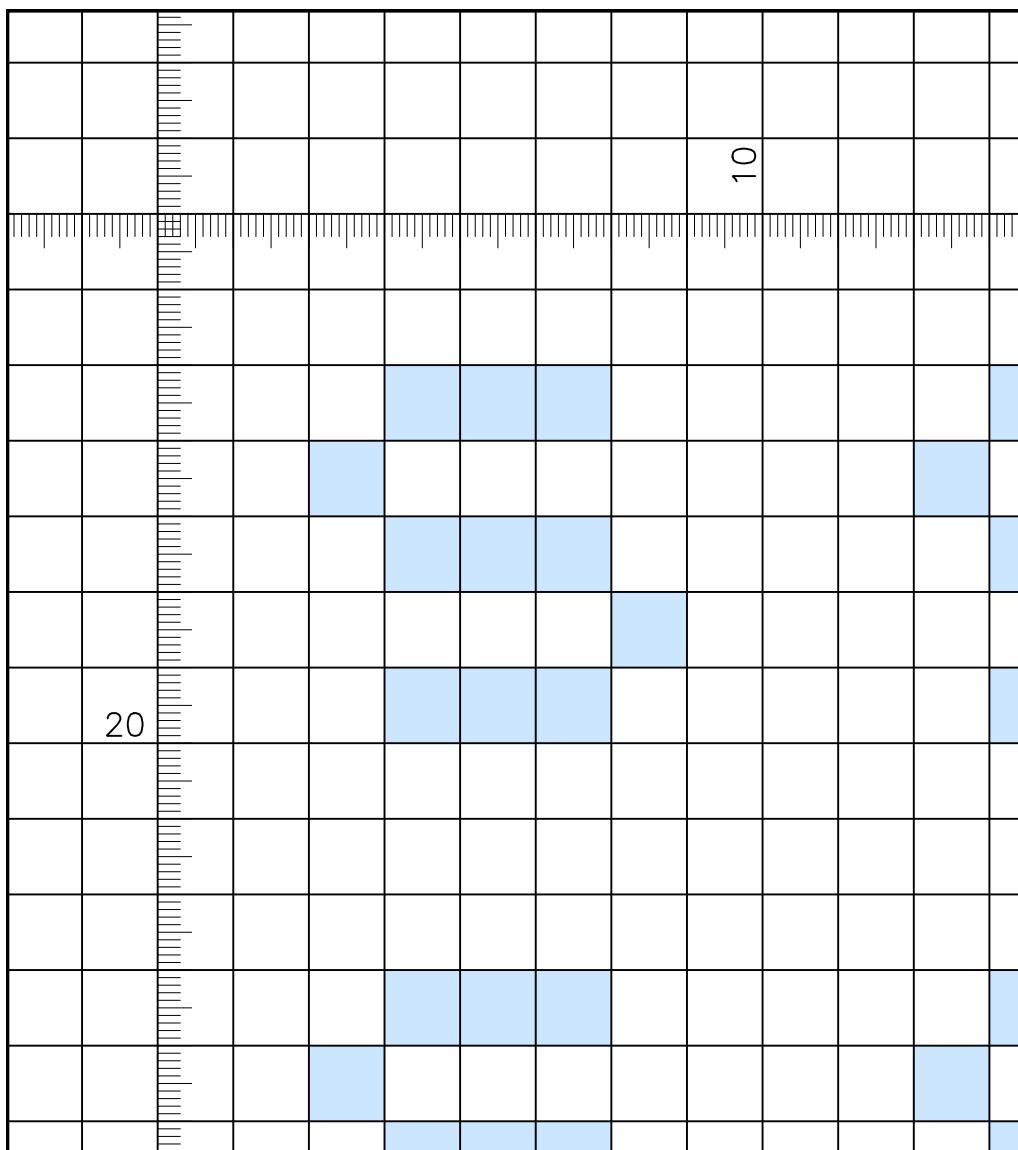
Configure Format-Specific Stamps

....

format compari-
son

The paper size of the document to be stamped is compared to the formats in the `SIZE_DESCRIPTION` section from top to bottom.

....

comparison
method

For the comparison, you can select between two methods:

• FirstFIT: As soon as the paper size fits completely into a format, the format is selected and the stamp settings having this format prefix are valid.

• FitExact: As soon as the paper size corresponds exactly to one format within a tolerance, the format is selected and the stamp settings having this format prefix are valid.

....

default

Unless an appropriate format is found, the default stamp settings are taken.

....

instructions

This is how you configure that the stamp is applied dependent on the format of the document:

Step	Action
1	Create the `[SIZE_DEFINITIONS]` section and configure there the different formats with their widths and lengths in meters: `[SIZE_DEFINITIONS]` *format width length*
2	For the specified formats, create sections containing the stamp settings valid for the *format* format and configure there the format-specific stamp settings: `[`*format\section*`]`
3	Create the section without the format prefix and configure there the default stamp settings.
4	In the `FIT_EXACT` item without section, optionally configure which comparison method is to be used: `NO`: The FirstFit method is used. `YES`: The FitExact method is used.
5	In the `TOLERANCE` item without section, optionally configure the tolerance which is to be used when comparing the formats.

.... *To be continued*

Configure Format-Specific Stamps, Continuation

....

Up to DIN A4, the `Box_1` stamp is output in black, with all other formats the `Box_2` stamp is output in red:

🔍 example
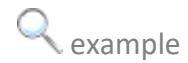
Extract of the stamp layout file:
```
[STAMP_DEFINITION]
   TEXT_DEFINITIONS        Text_2
   BOX_DEFINITIONS         Box_2
   ...
[Text_2]
   ...
   TX_COLOR                3
   ...
[Box_2]
   ...
[SIZE_DEFINITIONS]
   DINA4_P 0.210 0.297
   DINA4_L 0.297 0.210
   ...
[DINA4_P\STAMP_DEFINITION]
   TEXT_DEFINITIONS        Text_1
   BOX_DEFINITIONS         Box_1
   ...
[DINA4_L\STAMP_DEFINITION]
   TEXT_DEFINITIONS        Text_1
   BOX_DEFINITIONS         Box_1
[DINA4_P\Text_1]
   ...
   TX_COLOR                1
   ...
[DINA4_P\Box_1]
   ...
[DINA4_L\Text_1]
   ...
   TX_COLOR                1
   ...
[DINA4_L\Box_1]
   ...
```

....

6   Stamping Using a Stamp Template

....

pdfstamp/
pdfstamphft

Stamp templates are supported when stamping via `pdfstamp`/`pdfstamphft`.

....

stamp template

You can use any PDF file as stamp template. As an alternative, you generate a stamp template using `pdfstamp`/`pdfstamphft`:

→ *Generate a Stamp Template*, page 81

....

in this chapter

This chapter deals with the following topics:

Topic	Page
Generate a Stamp Template	81
Stamp a Document	82
Position the Stamp Template on the Document	83
Select Pages From the Stamp Template	84
Specify the Pages to Be Stamped	85
Apply the Stamp Template As Watermark	86
Keep PDF/A in the Output File	87
Replace a Text in the Stamp Template	88

....

Generate a Stamp Template

....

The layout of the stamp boxes and texts is configured in the stamp layout file, *stpfile*:

→ *pdfstamp/pdfstamphft - Further Configuration and Operations*, page 62

....

This is how you generate a PDF file as stamp template:

Step	Action
1	When calling `pdfstamp`/`pdfstamphft`, specify the name under which the stamp template is to be saved with the `-o` parameter, the stamp layout file with the `-stp` parameter and the PDF configuration file with the `-db` parameter: `pdfstamp -o `*`template`*` -stp `*`stpfile`*` -db `*`dbfile`*
2	When calling `pdfstamp`/`pdfstamphft`, optionally specify the width and height of the stamp template in meters with the `-x` and `-y` parameters: `-x `*`width`*` -y `*`height`*
3	When calling `pdfstamp`/`pdfstamphft`, specify the stamp texts using one of the available ways: `-hed `*`header`* `-t`*`n`* *`textn`* `-txt `*`textfile`*

requirement

instructions

....

The stamp template, `released.pdf`, is generated from the stamp layout file, `default.stp`. The width of the stamp template is 5 cm and its height is 3 cm and the stamp template contains the `Released` text:
```
pdfstamp -o released.pdf -stp default.stp -db default.db
   -t0 "Released" -x 0.05 -y 0.03
```

example

....

Stamp a Document

....

requirement   Any PDF file is available as stamp template or a stamp template has been gener-
               ated with `pdfstamp/pdfstamphft`:

               → *Generate a Stamp Template*, page 81

....

instructions   This is how you stamp a document with a stamp template:

Step	Action
1	When calling `pdfstamp/pdfstamphft`, specify the stamp template with the `-stp` parameter: `    pdfstamp -f `*`file`*` -stp `*`template`*

....

example   The document, `test.pdf`, is stamped with the stamp template, `template.pdf`:
               `    pdfstamp -f test.pdf -stp template.pdf`

....

Position the Stamp Template on the Document

....

Any PDF file is available as stamp template or a stamp template has been generated with `pdfstamp/pdfstamphft`:   requirement

→ *Generate a Stamp Template*, page 81

....

This is how you position the stamp template on the document: instructions

Step	Action
1	When calling `pdfstamp/pdfstamphft`, specify the horizontal and vertical positions of the stamp template with the `-pos` parameter: `pdfstamp -f` *file* `-stp` *template* `-pos` *hv*
2	When calling `pdfstamp/pdfstamphft`, optionally specify the horizontal and vertical distance to the position with the `-off` parameter: `-off` *xxy unit*

....

The document, `test.pdf`, is stamped with the stamp template, `template.pdf`.   example
The stamp template is positioned at the bottom right with an horizontal
distance of 2 cm and a vertical distance of 3 cm:
```
pdfstamp -f test.pdf -stp template.pdf -pos rb -off 2x3 cm
```

....

Select Pages From the Stamp Template

....

requirement

Any PDF file is available as stamp template or a stamp template has been generated with `pdfstamp`/`pdfstamphft`:

→ *Generate a Stamp Template*, page 81

....

instructions

This is how you specify pages of the stamp template that are to be used as stamps:

Step	Action

1	When calling `pdfstamp`/`pdfstamphft`, specify the number of the page to be used as stamp with the `-pst` parameter:
	   `pdfstamp -f file -stp template -pst page`
	Alternative:
	
	Configure the pages in a page configuration file and specify this with the `-i` parameter when calling `pdfstamp`/`pdfstamphft`:
	   `pdfstamp -f file -stp template -i pagefile`

....

page configuration file

For each page to be stamped, the page configuration file contains a `[Page n]` section containing a `PLS_STAMP_PAGE=y` item with *y* is the page from the stamp template.

....

🔍 example -
`-pst` parameter

The document, `test.pdf`, is stamped with the stamp template, `sealstamp.pdf`. The third page of the stamp template contains the stamp with the logo. The pages of the document are to be stamped with the logo:

   `pdfstamp -f test.pdf -stp sealstamp.pdf -pst 3`

....

🔍 example -
page configuration file

The four-page document, `m4.pdf`, is stamped with the stamp template, `sealstamp.pdf`. The stamp template contains three stamps for different purposes: cover sheet, trailer sheet and logo. The first page is stamped with the cover sheet stamp, the last one with the trailer sheet stamp and the other pages with the logo. The mapping of the pages is specified in the page configuration file, `page.inp`:

```
[Page 1]
PLS_STAMP_PAGE=1
[Page 2]
PLS_STAMP_PAGE=3
[Page 3]
PLS_STAMP_PAGE=3
[Page 4]
PLS_STAMP_PAGE=2
```

and the following call:

   `pdfstamp -f m4.pdf -stp sealstamp.pdf -i page.inp`

....

Specify the Pages to Be Stamped

....

Any PDF file is available as stamp template or a stamp template has been generated with `pdfstamp/pdfstamphft`:

→ *Generate a Stamp Template*, page 81

requirement

....

This is how you specify the pages to be stamped:

instructions

Step	Action

1	When calling `pdfstamp/pdfstamphft`, specify the pages to be stamped with the `-p` parameter:
	`pdfstamp -f file -stp template -p pages`
	Alternative:
	
	Configure the pages in a page configuration file and specify this with the `-i` parameter when calling `pdfstamp/pdfstamphft`:
	`pdfstamp -f file -stp template -i pagefile`

....

For each page to be stamped, the page configuration file contains a `[Page n]` section containing a `PLS_STAMP_PAGE=y` item with *y* is the page from the stamp template.

page configuration file

....

The document, `test.pdf`, is stamped with the stamp template, `sealstamp.pdf`. The odd pages are stamped:

```
pdfstamp -f test.pdf -stp sealstamp.pdf -p odd
```

example - -p parameter

....

The four-page document, `m4.pdf`, is stamped with the stamp template, `sealstamp.pdf`. The stamp template contains three stamps for different purposes: cover sheet, trailer sheet and logo. The first page is stamped with the cover sheet stamp, the last one with the trailer sheet stamp and the other pages with the logo. The mapping of the pages is specified in the page configuration file, `page.inp`:

example - page configuration file

```
[Page 1]
PLS_STAMP_PAGE=1
[Page 2]
PLS_STAMP_PAGE=3
[Page 3]
PLS_STAMP_PAGE=3
[Page 4]
PLS_STAMP_PAGE=2
```

and the following call:

```
pdfstamp -f m4.pdf -stp sealstamp.pdf -i page.inp
```

....

Apply the Stamp Template As Watermark

....

requirement | Any PDF file is available as stamp template or a stamp template has been generated with `pdfstamp/pdfstamphft`:

→ *Generate a Stamp Template*, page 81

....

instructions | This is how you apply a stamp template as watermark onto the document:

Step	Action
1	When calling `pdfstamp/pdfstamphft`, specify with the `-usepdfaswatermark` parameter that the stamp template is to be stamped as watermark: `pdfstamp -f file -stp template -usepdfaswatermark`

....

example | The document, `test.pdf`, is stamped with the stamp template, `template.pdf`. The stamps of the stamp template are applied as watermarks onto the document.

```
pdfstamp -f test.pdf -stp template.pdf -usepdfaswatermark
```

....

Keep PDF/A in the Output File

....

Any PDF file is available as stamp template or a stamp template has been gener-
ated with `pdfstamp/pdfstamphft`:

→ *Generate a Stamp Template*, page 81

The following requirements must be fulfilled for the keeping of PDF/A:

- The ICC file, `srgb.icc`, must be available in the `%PLSTOOLS%\convcfg` direc-
  tory.
- The `SEALRESOURCEPATH` environment variable must be set to the
  `%PLSTOOLS%\convcfg` directory.
- The input file and the stamp template must be conform to PDF/A.

....

The conformity level of the output file is set to the highest conformity level of
the input files this means, for example, that if at least one of the input files is
conform to PDF/A-2, the output file will be conform to PDF/A-2, too. The
smallest sub level among the input files is taken as sub level of the output file.
The comparison order is b, u and a.

....

This is how you keep PDF/A for the output file:

Step	Action
1	When calling `pdfstamp/pdfstamphft`, specify with the `-forcepdfa` parameter that the output file is to be conform to PDF/A and an error message is to be output if this is impossible: `pdfstamp -f file -stp template -forcepdfa`

....

The document, `test.pdf`, is stamped with the stamp template, `template.pdf`.   example
The output file, `stamped.pdf`, is to be conform to PDF/A like the input file:

```
pdfstamp -f test.pdf -stp template.pdf -o stamped.pdf
    -forcepdfa
```

....

Replace a Text in the Stamp Template

....

stamp template   When stamping a document with a stamp template, you can replace the texts
                      contained in the stamp template.

....

⚠ **Caution** - re-   Please note the following restrictions when replacing texts in a stamp template:
striction
                      • The text to be replaced can not be found if, for example, the stamp text
                        does not exist as text but as an amount of vectors.

                      • Some characters in the replacing text may not be displayed unless the font
                        has been embedded in the stamp text completely.

                      • The border may no longer fit after the replacement due the border will not
                        be adjusted to the new text.

....

instructions   This is how you replace a text in the stamp template:

Step	Action

1	When calling `pdfstamp`/`pdfstamphft`, specify the text to be replaced with the `-k` parameter and the new text with the `-t` parameter:
	`pdfstamp.exe -f file -stp template`
	`   -k oldtext -t newtext`

....

🔍 example   The document, `test.pdf`, is stamped with the stamp template, `template.pdf`.
                      In the stamp template, the `USER` text is replaced by `John Smith`:
                      ```
                      pdfstamp -f test.pdf -stp template.pdf -k USER -t "John Smith"
                      ```

....
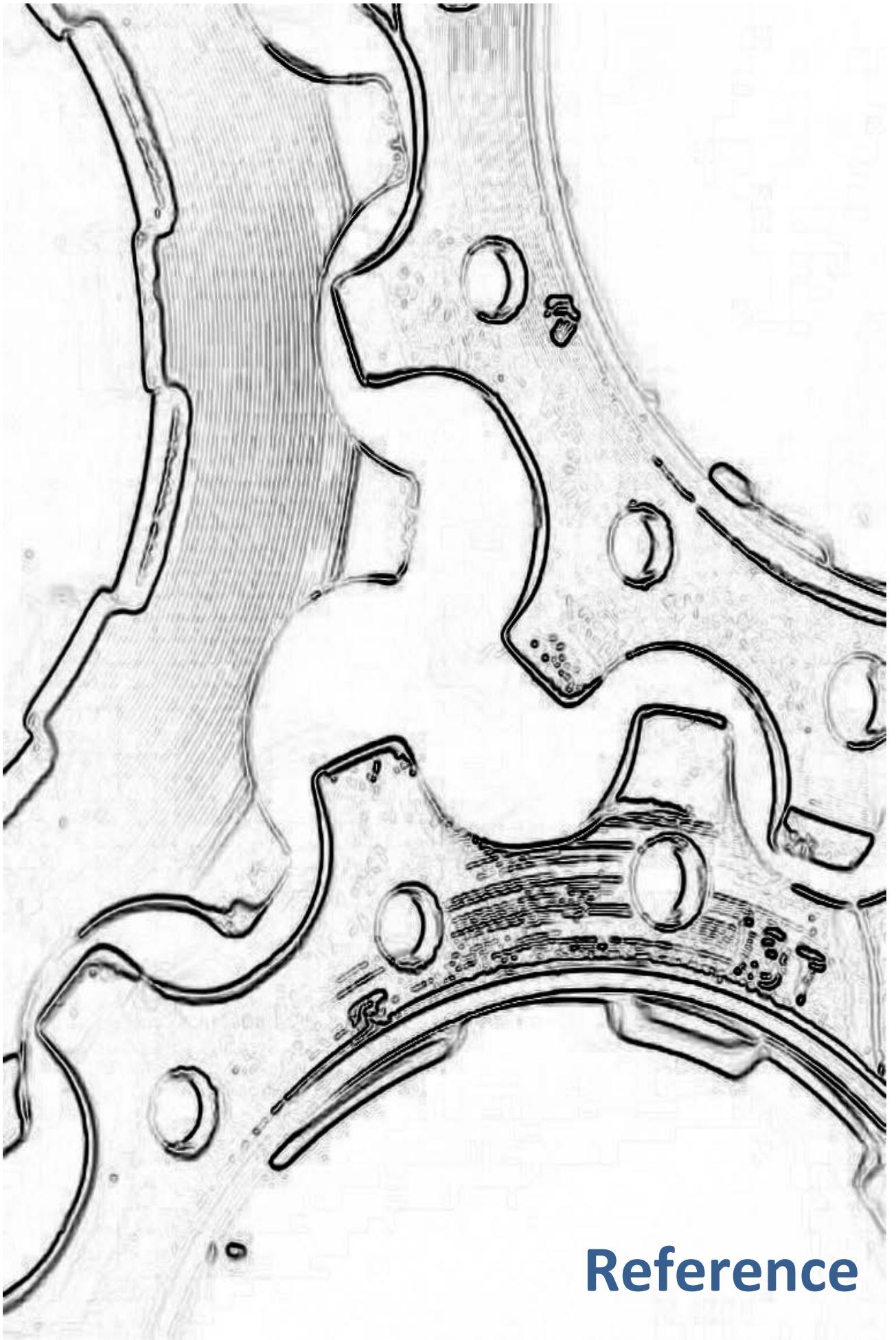
Reference

7   Parameter of pdfstamp/pdfstamphft - Reference

The programs have the following mandatory parameters:

mandatory parameter

Mandatory Parameter	Page
-stp <string> Stamp Layout File or Stamp Template	120

The programs have the following optional parameters:

optional parameters

Optional Parameter	Page
-af <binary> Properties of the PDF Annotation	94
-d <string> Delete a Stamp	95
-da <string> Delete an Adobe Stamp	96
-db <string> PDF Configuration File	97
-f <string> Input File	98
-forcepdfa Keep PDF/A in the Output File	99
-fp <string> Flagpage Configuration File	100
-fptxt<n> <string> Flagpage Texts	101
-graystamp <enumeration> Display of the Gray Stamps	102
-h Output the Usage	103
-hed <string> Header with Stamp Texts	104
-i <string> Page Configuration File	105
-k <string> Text to Be Replaced in the Stamp Template	106
-keep Do Not Delete Temporary Stamp Files	107
-ma Generate the Stamp As a PDF Annotation	108
-nopdfa Do No Force PDF/A	109
-o <string> Output File	110
-off <string> Offset of the Stamp Template	111
-p <enumeration> Pages to Be Stamped	112
-pos <string> Position of the Stamp Template	113
-pst <enumeration> Page From the Stamp Template	114
-rec Stamp Embedded Files Recursively	115
-setimagemask Change the White Background to Transparent	116

.. To be continued

Parameter of pdfstamp/pdfstamphft - Reference,

Continuation

....

The programs have the following optional parameters, continuation:

Optional Parameter	Page
-setuu \<float\> UserUnit	117
-startpagecount \<integer\> Start of the Page Numbering	118
-sti \<string\> Mark a Stamp	119
-t \<string\> New Text for the Stamp Template	121
-t\<n\> \<string\> Stamp Text	122
-totalpagecount \<integer\> Total Page Number	123
-txt \<string\> Stamp Text File	124
-uselogicalpage Consider startpagecount	125
-usepdfaswatermark Stamp As Watermark	126
-x \<float\> Width of the Stamp Template	127
-y \<float\> Height of the Stamp Template	128

....

-af <binary> Properties of the PDF Annotation

purpose   With the `-af` (annotation flag) parameter, you specify the properties of the PDF annotations when generating stamps as PDF annotations using the `-ma` parameter.

type   This parameter is optional.

value   With `-af`, you specify the following value:

Value	Description
flag	Properties of the PDF annotations as array of bits: Starting from the right, the bits have the following meanings: Bit 1: Invisible Bit 2: Hidden Bit 3: Print Bit 4: NoZoom Bit 5: NoRotate Bit 6: NoView Bit 7: Readonly Bit 8: Locked Bit 9: ToggleNoView Bit 10: LockedContents 🛟 reference - annotation flag: For further information about the single bits in the annotation flag, refer to [PDF_REF].

default   Default is `100`, that means the print bit is set, the other bits are not set.

🔍 example   The document, `original.pdf`, is stamped with the texts contained in `default.txt`. The stamps are generated as PDF annotations that may be printed but not displayed:

```
pdfstamp -f original.pdf -stp default.stp -db default.db
   -txt default.txt -ma -af 100100
```

related parameters   There is a close connection to the following parameters:

Related Parameter	Page
-ma Generate the Stamp As a PDF Annotation	108

-d <string> Delete a Stamp

....

With the `-d` (delete) parameter, you specify that the stamps with the specified or the default mark, `SEALSTAMP`, are to be deleted. The mark is set with the `-sti` parameter.

purpose

....

This parameter is optional.

type

....

With `-d`, you can specify the following value:

value

Value	Description
name	Mark of the stamps to be deleted

....

If you specify `-d` without value, the stamps with the default mark, `SEALSTAMP`, are deleted.

default

....

From the document, `original.pdf`, the stamp marked with `stamp1` is deleted:

examples

```
pdfstamp -f original.pdf -stp default.stp -db default.db
   -d stamp1
```

From the input file, `original.pdf`, all stamps marked with the default mark, `SEALSTAMP`, are deleted:

```
pdfstamp -f original.pdf -stp default.stp -db default.db -d
```

....

There is a close connection to the following parameters:

related parameters

Related Parameter	Page
-d <string> Delete a Stamp	95
-sti <string> Mark a Stamp	119

....

-d <string> Delete a Stamp

-da <string> Delete an Adobe Stamp

....

purpose	With the -da (delete adobe stamp) parameter, you specify that the Adobe stamps with the specified name are to be deleted. Examples of Adobe stamps are header and footer from Adobe LiveCycle.

....

type	This parameter is optional.

....

value	With -da, you can specify the following value:

Value	Description
name	Name of the Adobe stamps to be deleted

....

default	If you do not specify -da or specify it without value, the Adobe stamps will not be deleted.

....

hint - -d	The -da and -d parameters may be specified both in one call.

....

examples	From the document, original.pdf, the Adobe stamp Header is deleted:

```
pdfstamp -f original.pdf -stp default.stp -db default.db
   -da Header
```

....

related parameters	There is a close connection to the following parameters:

Related Parameter	Page
-d <string> Delete a Stamp	95

....

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-db <string> PDF Configuration File

....

With the `-db` parameter, you specify the text file in which the DPF generation is configured.

purpose

....

The parameter is mandatory unless using a stamp template.

type

....

With `-db`, you specify the following value:

value

Value	Description
file	Name of the file containing the configuration of the PDF generation

....

There is no default.

default

....

→ *PDF Configuration File (.db)*, page 149

file syntax

....

The PDF configuration file is a system file that must be modified in very rare case only.

hint - system file

....

The document, `original.pdf`, is stamped according to the stamp layout file, `default.stp`, and with the texts contained in `default.txt`. The PDF generation is configured in the PDF configuration file, `output.db`:

example

```
pdfstamp -f original.pdf -stp default.stp -db output.db
   -txt default.txt
```

....

-f <string> Input File

purpose
With the `-f` parameter, you specify the document to be stamped.

type
The parameter is mandatory when using `pdfstamp`/`pdfstamphft` for stamping a document.

The parameter must not be specified when using `pdfstamp`/`pdfstamphft` for generating a stamp template.

value
With `-f`, you specify the following value:

Value	Description
`file`	Name of the input file

default
If you do not specify the `-f` parameter but the `-o` parameter, a stamp template is generated.

example
The document, `original.pdf`, is stamped according to the stamp layout file, `default.stp`, and with the texts contained in `default.txt`.

```
pdfstamp -f original.pdf -stp default.stp -db default.db
    -txt default.txt
```

-forcepdfa Keep PDF/A in the Output File

....

With the `-forcepdfa` parameter, you specify that the output file is to be conform to PDF/A.

purpose

....

The following requirements must be fulfilled for creating PDF/A:

- The ICC file, `srgb.icc`, must be available in the `%PLSTOOLS%\convcfg` directory.
- The `SEALRESOURCEPATH` environment variable must be set to the `%PLSTOOLS%\convcfg` directory.
- All input files, that means the stamp template as well, must be conform to PDF/A.

⚠️ **Caution** - requirement

....

This parameter is optional.

type

....

By default, the operations that make sense for PDF/A are executed, such as embedding the fonts for the stamp, but the output file does not have to be conform to PDF/A.

default

....

The document, `original.pdf`, is stamped with the stamp template, `template.pdf`. The stamped file is to be conform to PDF/A:

```
pdfstamp -f original.pdf -stp template.pdf -forcepdfa
```

🔍 example

....

There is a close connection to the following parameters:

related parameters

Related Parameter	Page
-nopdfa Do No Force PDF/A	109

....

-forcepdfa Keep PDF/A in the Output File

-fp <string> Flagpage Configuration File

purpose

With the `-fp` (flagpage) parameter, you specify a text file in which the layout of the flagpage is configured.

type

This parameter is optional.

value

With `-fp`, you specify the following value:

Value	Description
file	Name of the text file containing the configuration of the flag-page

default

There is no default.

file syntax

→ *Flagpage Configuration*, page 155

example

The flagpage with the date and the time is applied onto the document, `original.pdf`. The layout of the flagpage is configured in `flagpage.fp`:

```
pdfstamp -f original.pdf -db default.db -fp flagpage.fp
    -fptxt1 "2013-09-12" -fptxt2 "15:46"
```

related parameters

There is a close connection to the following parameters:

Related Parameter	Page
-fptxt<n> <string> Flagpage Texts	109

-fptxt<n> <string> Flagpage Texts

....

With the `-fptxtn` (flagpage text) parameter, you specify the texts for the flag-page.   purpose

....

The parameter is mandatory when specifying the `-fp` parameter.   type

....

With `-fptxtn`, you specify the following value: value

Value	Description
text	Text of the flagpage *n* with *n* from 1 to 5

....

There is no default.   default

....

The flagpage with the date and the time is applied onto the document, `original.pdf`. The layout of the flagpage is configured in `flagpage.fp`:   example

```
pdfstamp -f original.pdf -db default.db -fp flagpage.fp
    -fptxt1 "2013-09-12" -fptxt2 "15:46"
```

....

There is a close connection to the following parameters: related parameters

Related Parameter	Page
-fp <string> Flagpage Configuration File	109

....

-graystamp <enumeration> Display of the Gray Stamps

purpose
With the `-graystamp` parameter, you specify how the gray stamps are to be displayed.

gray stamp
For a gray stamp, the `BO_CREATION` item in the stamp layout file is set to `GRAY_-STAMP`.

→ *Stamp Layout File (.stp)*, page 130

type
This parameter is optional.

value
With `-graystamp`, you can specify the following values:

Value	Description
color	The gray stamps are displayed transparent colored.
gray	The gray stamps are displayed transparent gray.
simulated	The gray stamps are simulated by Black and White.

default
Default is `gray`, that means that gray stamps are displayed transparent gray.

alternative
As an alternative to the specification of the `-graystamp` parameter, you can set the `PDF_GRAYSTAMP` environment variable to the desired value.
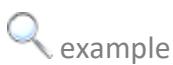
example
The document, `original.pdf`, is stamped with a transparent color stamp.
```
pdfstamp -f original.pdf -stp default.stp -db default.db
    -txt default.txt -graystamp color
```

-h Output the Usage

....

With the `-h` parameter, you get the usage.   purpose

....

This parameter is optional.   type

....

All parameters will be displayed: 🔍 example
```
pdfstamp -h
```

....
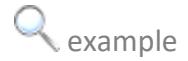
-hed <string> Header with Stamp Texts

purpose

With the `-hed` Parameter, you specify a header containing the stamp texts.

type

For a text stamp, the stamp text must be specified using one of the available ways (`-hed`, `-txt`, `-t`*n*, `TX_TEXT`), otherwise the stamp will not be applied.

hint - priority

The texts specified with `-t`*n* take priority to the texts that are passed in the header with stamp texts and in the stamp text file.

value

With `-hed`, you specify the following value:

Value	Description
file	Name of the header containing the stamp texts

default

There is no default.

file syntax

The syntax of the header is described in [PLOSSYS_PARAM_TEC].

example
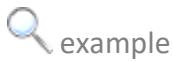
The document, `original.pdf`, is stamped. The stamp texts are passed in the `default.hed` header:

```
pdfstamp -f original.pdf -stp default.stp -db default.db
    -hed default.hed
```

with the `default.hed` header:

```
...
$ PLS_STAMP_0 == "Released"
$ PLS_STAMP_1 == "2013-12-03"
$ PLS_STAMP_2 == "John Smith"
...
```

related parameters

There is a close connection to the following parameters:

Related Parameter	Page
-txt <string> Stamp Text File	124
-t<n> <string> Stamp Text	122

-i <string> Page Configuration File

....

With the `-i` parameter, you specify a text file with the configuration which pages from the stamp template are to be stamped on which pages of the output file.   purpose

....

This parameter is optional.   type

....

With `-i`, you specify the following value: value

Value	Description
file	Name of the text file containing the page settings

....

By default, all pages are stamped.   default

....

For each page to be stamped, the page configuration file contains a `[Page` *n*`]` section containing a `PLS_STAMP_PAGE=`*y* item with *y* is the page from the stamp template.   file syntax

....

The four-page document, `original.pdf`, is stamped with different pages from the three-page stamp template, `template.pdf`. The mapping is configured in `layout.ini`:   example

```
pdfstamp -f original.pdf -stp template.pdf -i layout.ini
```

with the page configuration file, `layout.ini`:

```
[Page 1]
PLS_STAMP_PAGE=1
[Page 2]
PLS_STAMP_PAGE=3
[Page 3]
[Page 4]
PLS_STAMP_PAGE=2
```

results in:

• Page 1 of `original.pdf` is stamped with page 1 from `template.pdf`.

• Page 2 of `original.pdf` is stamped with page 3 from `template.pdf`.

• Page 3 of `original.pdf` is not stamped.

• Page 4 of `original.pdf` is stamped with page 2 from `template.pdf`.

....

-k <string> Text to Be Replaced in the Stamp Template

....

purpose   With the `-k` (keyword) parameter, you specify the text to be replaced in the stamp template.

....

type   This parameter is optional.

....

value   With `-k`, you specify the following value:

Value	Description
key	Text to be replaced in the stamp template by another text; texts with blanks must be quoted with ".

....

default   There is no default.

....

example   The document, `original.pdf`, is stamped with the stamp template, `template.pdf`. The `USER` text is replaced by `John Smith`:

```
pdfstamp -f original.pdf -stp template.pdf
   -k USER -t "John Smith"
```

....

related parameters   There is a close connection to the following parameters:

Related Parameter	Page
-t <string> New Text for the Stamp Template	121

....

-keep Do Not Delete Temporary Stamp Files

....

With the `-keep` parameter, you specify that the temporary stamp file are not to be deleted.

purpose

....

This parameter is optional.

type

....

By default, the temporary stamp files are deleted.

default

....

The document, `original.pdf`, is stamped with the stamp template, `template.pdf`. The temporary stamp files are kept.

example

```
pdfstamp -f original.pdf -stp template.pdf -keep
```

....

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-ma Generate the Stamp As a PDF Annotation

purpose
With the `-ma` (make annotation) parameter, you specify that the stamps are generated as PDF annotations.

type
This parameter is optional.

default
By default, the stamps are generated as graphic elements.
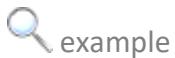
example
The document, `original.pdf`, is stamped with the texts contained in `default.txt`. The stamps are generated as PDF annotations:
```
pdfstamp -f original.pdf -stp default.stp -db default.db
    -txt default.txt -ma
```

related parameters
There is a close connection to the following parameters:

Related Parameter	Page
-af <binary> Properties of the PDF Annotation	94

-nopdfa Do No Force PDF/A

....

With the `-nopdfa` parameter, you specify that the operations that make sense for PDF/A are not to be executed. Such an operation is, for example, embedding the fonts for the stamps.

purpose

....

This parameter is optional.

type

....

By default, the operations that make sense for PDF/A are executed.

default

....

The document, `original.pdf`, is stamped with the stamp template, `template.pdf`. The operations that make sense for PDF/A will not be executed:

```
pdfstamp -f original.pdf -stp template.pdf -nopdfa
```

example

....

There is a close connection to the following parameters:

related parameters

Related Parameter	Page
-forcepdfa Keep PDF/A in the Output File	99

....

-o <string> Output File

purpose	With the `-o` (output) parameter, you specify the output file.
type	The parameter is optional when using `pdfstamp`/`pdfstamphft` for stamping a document.
	The parameter is mandatory when using `pdfstamp`/`pdfstamphft` for generating a stamp template.
value	With `-o`, you specify the following value:

Value	Description
file	Name of the output file

default	By default, the output file overwrites the input file when stamping a document.
🔍 example - stamp file	The document, `original.pdf`, is stamped. The stamped output file, `stamped.pdf`, is generated:

```
pdfstamp -f original.pdf -o stamped.pdf -stp default.stp
    -db default.db -txt default.txt
```

🔍 example - generate stamp template	The stamp template, `template.pdf`, is generated with the stamp layout file, `default.stp`, the PDF configuration file, `default.db`, and the stamp texts in `default.txt`:

```
pdfstamp -o template.pdf -stp default.stp -db default.db
    -txt default.txt
```

-off <string> Offset of the Stamp Template

....

With the `-off` (offset) parameter, you specify the horizontal and vertical distance of the position of the stamp template specified with the `-pos` parameter.

purpose

....

This parameter is optional.

type

....

With `-off`, you specify the following value:

value

Value	Description
xxy unit	Horizontal and vertical distance of the stamp template to the specified position in direction of the document center.
	Available values for *x* and *y*: floats
	Available values for `unit`: `mm`: Millimeter (Default) `cm`: centimeter `m`: Meter

....

Default is `0.0x0.0`, that means that the stamp template have no distance to the specified position.

default

....

The document, `original.pdf`, is stamped with the stamp template, `template.pdf`. The stamp is positioned at the top right with an horizontal distance of 2 cm and a vertical distance of 1,5 cm:

example

```
pdfstamp -f original.pdf -stp template.pdf -pos rt
    -off 2.0x1.5 cm
```

....

There is a close connection to the following parameters:

related parameters

Related Parameter	Page
-pos <string> Position of the Stamp Template	113

....

-p <enumeration> Pages to Be Stamped

....

purpose   With the `-p` (pages) parameter, you specify the pages to be stamped.

....

type   This parameter is optional.

....

values   With `-p`, you can specify the following values:

Value	Description
`0`	All pages will be stamped.
page	The *page* page will be stamped.
`i,j,k`	The pages `i`, `j`, and `k` will be stamped.
`i..j`	The pages in the range from `i` to `j` will be stamped.
`even`	All even pages will be stamped.
`last`	Only the last page will be stamped.
`odd`	All odd pages will be stamped.

....

default   Default is `0`, that means all pages are stamped.

....
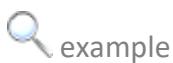
example   In the document, `original.pdf`, the third page is stamped:

```
pdfstamp -f original.pdf -stp default.stp -db default.db
   -txt default.txt -p 3
```

....

-pos <string> Position of the Stamp Template

....

With the `-pos` (position) parameter, you specify the position where the stamp template is to be applied onto the document.

purpose

....

This parameter is optional.

type

....

With `-pos`, you specify the following value:

value

Value	Description

hv	Position of the stamp template on the document
	
	Available values for *h*:
	    `l`: left
	    `m`: middle
	    `r`: right
	
	Available values for *v*:
	    `b`: bottom
	    `m`: middle
	    `t`: top

....

Default is `lb`, that means at the bottom left.

default

....

The document, `original.pdf`, is stamped with the stamp template, `template.pdf`. The stamp is displayed in the center:

example

```
pdfstamp -f original.pdf -stp template.pdf -pos mm
```

....

There is a close connection to the following parameters:

related parameters

Related Parameter	Page
-off <string> Offset of the Stamp Template	111

....

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-pst <enumeration> Page From the Stamp Template

purpose	With the `-pst` (page stamp template) parameter, you specify which page of a multi-page stamp template are to be used as stamp.
type	This parameter is optional.
values	With `-pst`, you specify the following value:

Value	Description
page	The *page* page from the stamp template will be used as stamp.

default	Default is 1, that means that the first page of the stamp template is used.
example	The document, `original.pdf`, is stamped with third page of the stamp template, `template.pdf`.

```
pdfstamp -f original.pdf -stp template.pdf -pst 3
```

-rec Stamp Embedded Files Recursively

....

With the -rec (recursive) parameter, you specify that the PDF files embedded in PDF collections are to be stamped recursively. | purpose

....

The -rec parameter is only available for pdfstamphft. | ⚠ **Caution** - pdfstamphft

....

This parameter is optional. | type

....

By default, the embedded PDF files are not stamped. | default

....

The document, collection.pdf, is stamped with the stamp template, template.pdf. All embedded PDF files are stamped recursively: | 🔍 example

```
pdfstamphft -f collection.pdf -stp template.pdf -rec
```

....

-setimagemask Change the White Background to Transparent

purpose	With the `-setimagemask` parameter, you specify that a white background is set transparent. For this, the ImageMask is set to transparent.
hint - watermark	The `-setimagemask` parameter is important with watermarks for example due to the actual transparent but white displayed background would cover the watermark.
type	This parameter is optional.
default	By default, the background displayed in white remains white.
example	The document, `original.pdf`, is stamped as watermark with the stamp template, `template.pdf`. The white background is set to transparent:

```
pdfstamp -f original.pdf -stp template.pdf -usepdfaswatermark
    -setimagemask
```

-setuu <float> UserUnit

....

With the `-setuu` (set user unit) parameter, you specify the UserUnit to be set in the output file.

purpose

....

Adobe Acrobat Reader can only display PDF files up to a size of 14400 units (200 inch). If a UserUnit is set in the PDF file, all internal metric coordinates are divided by the value of the UserUnit. Because Adobe Acrobat Reader and other viewers evaluate the UserUnit, the correct size is identified further on.

background knowledge

....

This parameter is optional.

type

....

With `-setuu`, you specify the following value:

value

Value	Description
userunit	UserUnit; if the value is smaller than 1.0, the UserUnit will be evaluated automatically if required.

....

By default, the UserUnit will not be set.

default

....

As an alternative to the specification of the `-setuu` parameter, you can set the `PDF_SET_USER_UNIT` environment variable.

alternative

....

You can display the UserUnit of a PDF file by calling `pdfprae`:

→ [PDFTOOLS_TEC]

hint - output

....

The document, `original.pdf`, is stamped with the stamp template, `template.pdf`. The UserUnit is set to 2:

```
pdfstamp -f original.pdf -stp template.pdf -setuu 2.0
```

example

....
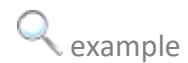
-startpagecount <integer> Start of the Page Numbering

purpose
With the `-startpagecount` parameter, you specify a number with which the page numbering in the `%PAGE%` variable is to be started.

type
This parameter is optional.

value
With `-startpagecount`, you specify the following value:

Value	Description
page	Page with which the page numbering in `%PAGE%` starts

default
Default is `1`, that means that the page numbering starts with 1.

example
Page numbers are stamped onto to the 34-page document, `original.pdf`. The page numbering is generated with the `t0` stamp text and the `%PAGE%` and `%PAGES%` variables. Because this document is to be output as document part, the page numbering is to start at page 17. Then, the page numbering is displayed as "Page 17 of 50", "Page 18 of 50", and so on:

```
pdfstamp -f original.pdf -stp default.stp -db default.db
    -t0 "Page %PAGE% of %PAGES%" -startpagecount 17
```

related parameters
There is a close connection to the following parameters:

Related Parameter	Page
-totalpagecount <integer> Total Page Number	123

-sti <string> Mark a Stamp

....

With the `-sti` (sticky) parameter, you specify that the stamps get a mark. By means of this mark, you can delete the stamps with the `-d` parameter later on.

purpose

....

This parameter is optional.

type

....

With `-sti`, you specify the following value:

value

Value	Description
name	Text set as mark at the stamp

....

Unless you specify `-sti`, the stamps will not be marked. When specifying `-sti` without value, the stamps get the default mark, SEALSTAMP.

default

....

The document, `original.pdf`, is stamped. The stamps get the `stamp1` mark:

examples

```
pdfstamp -f original.pdf -stp default.stp -db default.db
    -sti stamp1
```

The document, `original.pdf`, is stamped. The stamps get the default mark, SEALSTAMP:

```
pdfstamp -f original.pdf -stp default.stp -db default.db -sti
```

....

There is a close connection to the following parameters:

related parameters

Related Parameter	Page
-d <string> Delete a Stamp	95

....

-stp <string> Stamp Layout File or Stamp Template

....

purpose   With the -stp parameter, you specify a text file in which the layout of the stamps is configured or the stamp template.

....

type   The parameter is mandatory.

....

value   With -stp, you specify the following value:

Value	Description
file	Name of the text file containing the stamp configuration or name of the stamp template

....

default   There is no default.

....

file syntax   → *Stamp Layout File (.stp)*, page 130

....

example   The document, original.pdf, is stamped. The layout of the stamps is config-
ured in the stamp layout file, stamp.stp:

```
pdfstamp -f original.pdf -stp stamp.stp -db default.db
    -txt default.txt
```

....

-t <string> New Text for the Stamp Template

....

With the -t (text) parameter, you specify the text in the stamp template that is to replace the text specified with the -k parameter.

purpose

....

The parameter is mandatory when specifying the -k parameter.

type

....

With -t, you specify the following value:

value

Value	Description
text	Text to be replaced in the stamp template by another text; texts with blanks must be quoted with ".

....

There is no default.

default

....

The document, original.pdf, is stamped with the stamp template, template.pdf. The USER text is replaced by John Smith:

example

```
pdfstamp -f original.pdf -stp template.pdf
   -k USER -t "John Smith"
```

....

There is a close connection to the following parameters:

related parameters

Related Parameter	Page
-k <string> Text to Be Replaced in the Stamp Template	106

....

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-t\<n\> \<string\> Stamp Text

....

purpose

With the `-t`n parameters, you specify the stamp texts.

....

type

For a text stamp, the stamp text must be specified using one of the available ways (`-hed`, `-txt`, `-t`n, `TX_TEXT`), otherwise the stamp will not be applied.

....

hint - priority

The texts specified with `-t`n take priority to the texts that are passed in the header with stamp texts and in the stamp text file.

....

value

With `-t`n you specify the following value:

Value	Description
text	Text of the stamp *n* with *n* from `0` to `99`

....

default

There is no default.

....

example

The document, `original.pdf`, is stamped. The stamp texts are passed with the `-t0`, `-t9` and `-t10` parameters:

```
pdfstamp -f original.pdf -stp default.stp -db default.db
   -t0 "Released" -t9 "25.5.2013" -t10 "John Smith"
```

....

related parameters

There is a close connection to the following parameters:

Related Parameter	Page
-hed \<string\> Header with Stamp Texts	104
-txt \<string\> Stamp Text File	124

....

-totalpagecount <integer> Total Page Number

....

With the `-totalpagecount` parameter, you specify the total page number. The %PAGES% variable will be set to this value. | purpose

....

This parameter is optional. | type

....

With `-totalpagecount`, you specify the following value: | value

Value	Description
totalpage	Total page number of the document (%PAGES%)

....

Default is the actual page number of the document. | default

....

Page numbers are stamped onto to the document, `original.pdf`. The page numbering is generated with the `t0` stamp text and the %PAGE% and %PAGES% variables. Because this document is to be output as document part, the page numbering is to start at page 17 and 100 is to be displayed as total page number. Then, the page numbering is displayed as "Page 17 of 100", "Page 18 of 100", and so on: | example

```
pdfstamp -f original.pdf -stp default.stp -db default.db
   -t0 "Page %PAGE% of %PAGES%" -startpagecount 17
   -totalpagecount 100
```

....

There is a close connection to the following parameters: | related parameters

Related Parameter	Page
-startpagecount <integer> Start of the Page Numbering	118

....

-txt <string> Stamp Text File

purpose	With the `-txt` parameter, you specify a text file containing the stamp texts.
type	For a text stamp, the stamp text must be specified using one of the available ways (`-hed`, `-txt`, `-tn`, `TX_TEXT`), otherwise the stamp will not be applied.
✏ hint - priority	The texts specified with `-tn` take priority to the texts that are passed in the header with stamp texts and in the stamp text file.
value	With `-txt`, you specify the following value:

Value	Description
file	Name of the text file containing the stamp texts

default	There is no default.
file syntax	The stamp text file contains a line with the stamp text for each stamp.
🔍 example	The document, `original.pdf`, is stamped. The stamp texts are passed in the stamp text file, `stamps.txt`:
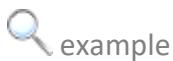
```
pdfstamp -f original.pdf -stp default.stp -db default.db
   -txt stamps.txt
```

with `stamps.txt`:

```
Released
2013-12-03
John Smith
```

related parameters

There is a close connection to the following parameters:

Related Parameter	Page
-hed <string> Header with Stamp Texts	104
-t<n> <string> Stamp Text	122

-uselogicalpage Consider startpagecount

....

With the `-uselogicalpage` parameter, you specify that the starting page number specified with the `-startpagecount` parameter is taken into account when evaluating the pages to be stamped (`BO_PAGES_TO_STAMP`).

....

This parameter is optional.   type

....

With the `BO_PAGES_TO_STAMP` item in the stamp box configuration, you can specify the pages to be stamped.   pages to be stamped

→ *Stamp Layout File (.stp)*, page 130

....

By default, the actual page numbers of the document are taken when evaluating the pages to be stamped.   default

....

The document, `original.pdf`, is stamped. The page numbering starts with `4`. This is taken into account, when evaluating the pages to be stamped: examples

```
pdfstamp -f original.pdf -stp default.stp -db default.db
    -txt default.txt -startpagecount 4
```

with `default.stp`:

```
...
BO_PAGES_TO_STAMP = 5
...
```

with `-uselogicalpage` results in:

• The second page of `original.pdf` will be stamped.

without `-uselogicalpage` (default) results in:

• The fifth page of `original.pdf` will be stamped.

....

There is a close connection to the following parameters: related parameters

Related Parameter	Page
-startpagecount <integer> Start of the Page Numbering	125

....

-uselogicalpage Consider startpagecount

-usepdfaswatermark Stamp As Watermark

....

purpose   With the `-usepdfaswatermark` parameter, you specify that the stamp template
                        is to be stamped as watermark.

....

type   This parameter is optional.

....

default   By default, the stamp template is applied as stamp.

....

alternative   As an alternative to the specification of the `-usepdfaswatermark` parameter,
                        you can set the `PDF_USE_PDF_AS_WATERMARK` environment variable.

....

example   The document, `original.pdf`, is stamped as watermark with the stamp
                        template, `template.pdf`:

                            pdfstamp -f original.pdf -stp template.pdf -usepdfaswatermark

....

related parame-   There is a close connection to the following parameters:
ters

Related Parameter	Page
-stp <string> Stamp Layout File or Stamp Template	120

....

-x <float> Width of the Stamp Template

....

With the `-x` parameter, you specify how wide the stamp template is to be generated.

purpose

....

This parameter is optional.

type

....

With `-x`, you specify the following value:

value

Value	Description
width	Width of the stamp template in meter

....

Default is DIN A4, that means `0.21`.

default

....

The stamp template, `template.pdf`, will be generated. The width of the stamp template is 4 cm and its height is 6 cm:

🔍 example

```
pdfstamp -o template.pdf -stp default.stp -db default.db
    -txt default.txt -x 0.04 -y 0.06
```

....

There is a close connection to the following parameters:

related parameters

Related Parameter	Page
-y <float> Height of the Stamp Template	128

....

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-y <float> Height of the Stamp Template

....

purpose

With the `-y` parameter, you specify how high the stamp template is to be generated.

....

type

This parameter is optional.

....

value

With `-y`, you specify the following value:

Value	Description
height	Height of the stamp template in meter

....

default

Default is DIN A4, that means `0.297`.
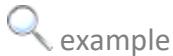
....

🔍 example

The stamp template, `template.pdf`, will be generated. The width of the stamp template is 4 cm and its height is 6 cm:

```
pdfstamp -o template.pdf -stp default.stp -db default.db
    -txt default.txt -x 0.04 -y 0.06
```

....

related parameters

There is a close connection to the following parameters:

Related Parameter	Page
-x <float> Width of the Stamp Template	127

....

8 Configuration - Reference

....

This chapter describes the following configuration files and settings: in this chapter

Configuration File	Page
Stamp Layout File (.stp)	130
PDF Configuration File (.db)	149
Flagpage Configuration	155

....

8.1   Stamp Layout File (.stp)

....

purpose

In the stamp layout file, you configure the layout, the size and the color of the stamp texts and boxes.

....

PLOSSYS net-dome

With PLOSSYS netdome, the stamp layout file is configured at the output queue or is passed together with the job files. As basis, you can use the generic stamp layout file, `%PLSPLT%\generic.stp`.

....

`pdfstamp/`
`pdfstamphft`

With `pdfstamp/pdfstamphft`, a stamp layout file must be specified unless a stamp template is used for stamping.

....

parameter

When calling `pdfstamp/pdfstamphft`, specify the stamp layout file with the `-stp` parameter.

→ *-stp <string> Stamp Layout File or Stamp Template*, page 120

....

hint - template and examples

A template for the stamp layout file is contained in delivery of `pdfstamp/pdfstamphft`: `%PLSTOOLS%\convcfg\pdfstamp\default.cfg`. Many examples of the stamp configuration are found in `%PLSTOOLS%\convcfg\pdfstamp\muster.stp`.

....

sections

The stamp layout file contains the following items in the following sections:

Section	Page
Items Without Section	131
[STAMP_DEFINITION] Section	132
[text] Section	133
[box] Section	137
[SIZE_DEFINITIONS] Section	145

....

example

→ *Example of the Stamp Layout File*, page 147

....

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Items Without Section

....

The items without section in the stamp layout file concern the format-specific stamping.

purpose

....

The [STAMP_DEFINITION] section contains the following items:

items

Item	Description
TOLERANCE *tolerance*	Tolerance when the FitExact method is being used for evaluating the paper size for the format-specific stamping Available values for *tolerance*: tolerance in meters Default: none ⚠️ **Caution** - PLOSSYS netdome: TOLERANCE is only evaluated by pdfstamp/pdfstam-phft due to PLOSSYS netdome does not support the format-specific stamping.
FIT_EXACT *boolean*	Method used for evaluating the paper size for the format-specific stamping Available values for *boolean*: NO: The FirstFit method is used. YES: The FitExact method is used. Default: NO ⚠️ **Caution** - PLOSSYS netdome: TOLERANCE is only evaluated by pdfstamp/pdfstam-phft due to PLOSSYS netdome does not support the format-specific stamping.

....

[STAMP_DEFINITION] Section

purpose

In the [STAMP_DEFINITION] section, you configure the sections for the stamp texts and boxes and the general settings for all stamps.

items

The [STAMP_DEFINITION] section contains the following items:

Item	Description
BOX_DEFINITIONS *box0 box1 ...*	Sections for the stamp boxes Available values for *boxn*: maximum 100 strings containing maximum 20 characters Default: none
COLOR_DEFINITION_*n* *red green blue*	RGB value of the color *n* Available values for *n*: *n* can be between 0 and 255 and is specified in the stamp texts in TX_COLOR and in stamp boxes in BO_COLOR. Available values for *red green blue*: three floats between 0.0 and 1.0 for the red, green and blue components of the color Default: none
SCALE_STAMP *boolean*	Are the stamped to be scaled with the document? SCALE_STAMP is used as default for BO_SCALE_BOX. Available values for *boolean*: NO: The stamps will not be scaled. YES: The stamps will be scaled. Default: NO ⚠️ **Caution** - pdfstamp/pdfstamphft: SCALE_STAMP is only evaluated by PLOSSYS netdome due to pdfstamp/pdfstamphft does not scale.
TEXT_DEFINITIONS *text0 text1 ...*	Sections for the stamp texts Available values for *textn*: maximum 100 strings containing maximum 20 characters Default: none

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[text] Section

....

In the [text] section, you configure the properties of the stamp texts with the name *text*.

purpose

....

The [text] section contains the following items:

items

Item	Description
TX_ALIGNMENT_HOR *align*	Horizontal alignment of the stamp text Available values for *align*: CENTER: centered LEFT: left-aligned RIGHT: right-aligned Default: LEFT
TX_ALIGNMENT_VER *align*	Vertical alignment of the stamp text Available values for *align*: BASE: base line BOTTOM: bottom line CAP: cap line CENTER: center line TOP: cap height Default: BASE
TX_COLOR *color*	Color of the stamp text Available values for *color*: integer between 0 and 255; the colors are configured in COLOR_DEFINITION_*n*: → *[STAMP_DEFINITION] Section*, page 132 Default: 1, that means Black
TX_EXPANSION *width*	Character width of the stamp text Available values for *width*: float as factor of the character width specified in the font Default: 1.0

....*To be continued*

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[text] Section, Continuation

....

items, contd.

The [text] section contains the following items, continuation:

Item	Description
TX_FONT *font*	Font of the stamp text Available values for *font*: GKS font number Default: -2 ⊘ reference - GKS fonts: The GKS fonts and their numbers are described in [FONTS_USR].
TX_LINEBREAK *boolean*	Are line breaks allowed in the stamp text? The line breaks in the stamp text are entered as \n or \r. Available values for *boolean*: N: The text is not wrapped. Y: With \n and \r , the line is broken. Default: N ⚠ **Caution** - PLOSSYS netdome: TX_LINEBREAK is not supported by PLOSSYS netdome.
TX_LINEDISTANCE *distance*	Line spacing with multi-line stamp texts Available values for *distance*: float; the unit is meter. Default: 0.0 ⚠ **Caution** - PLOSSYS netdome: TX_LINEDISTANCE is not supported by PLOSSYS netdome.

.... *To be continued*

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[text] Section, Continuation

....

The [text] section contains the following items, continuation: items, contd.

Item	Description
TX_LWSC *width*	Line width of the stamp text Available values for *width*: float; the unit is meter. Default: 0.000254 🖊 hint - scaling: The line width will be scaled together with the stamp. ⚠ **Caution** - render mode FILL: TX_LWSC does not have an effect for a font with the render mode FILL due to only the filling of a character will be displayed. → *Items of the PDF Configuration File*, page 150
TX_OFFSETX *offset*	Horizontal distance from the text beginning to the reference point of the stamp box Available values for *offset*: float; the unit is meter. Default: 0.0
TX_OFFSETY *offset*	Vertical distance from the text beginning to the reference point of the stamp box Available values for *offset*: float; the unit is meter. Default: 0.0
TX_PATH *direction*	Writing direction of the stamp text Available values for *direction*: DOWN: top down LEFT: from the right to the left RIGHT: from the left to the right UP: bottom up Default: RIGHT

....*To be continued*

[text] Section, Continuation

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[text] Section, Continuation

....

items, contd.

The [text] section contains the following items, continuation:

Item	Description
TX_SIZE *size*	Text size of the stamp text Available values for *size*: float; the unit is meter. Default: 0.005
TX_SPACING *spacing*	Space between the characters that is to be inserted in addition to the default space of the font Available values for *spacing*: float; 1.0 means that the additional spacing corresponds to the height of a capital letter. Default: 0.0
TX_TEXT *text*	Default stamp text unless it is specified explicitly Available values for *text*: string containing maximum 256 characters Default: none

....

[text] Section, Continuation

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[box] Section

....

In the [box] section, you configure the properties of the stamp box with the name *box*.

purpose

....

The name *box* of the stamp box must be specified in the BOX_DEFINITIONS item in the [STAMP_DEFINITION] section.

BOX_
DEFINITIONS

→ *[STAMP_DEFINITION] Section*, page 132

....

The [box] section contains the following items:

items

Item	Description
BO_ADAPT_TEXT_TO_FRAME *boolean*	Is the text stamp to be scaled in such a way that it fits into the stamp box specified with BO_HEIGHT and BO_WIDTH exactly. Available values for *boolean*: NO: The text stamp will not be scaled. YES: The text stamp will be scaled according to the stamp box. Default: NO ⚠ **Caution** - PLOSSYS netdome: BO_ADAPT_TEXT_TO_FRAME is not supported by PLOSSYS netdome.
BO_ALIGNMENT_HOR *align*	Horizontal alignment of the stamp box Available values for *align*: CENTER: centered LEFT: left-aligned RIGHT: right-aligned Default: LEFT
BO_ALIGNMENT_VER *align*	Vertical alignment of the stamp box Available values for *align*: BOTTOM: at the bottom CENTER: centered TOP: at the top Default: TOP

....*To be continued*

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[box] Section, Continuation

....

items, contd.

The [box] section contains the following items, continuation:

Item	Description
BO_ANGLE *angle*	Angle by which the stamp box is rotated; the reference point for the rotation is the reference point of the stamp which is used for aligning the stamp text. Available values for *angle*: floats; positive values result in a counter-clockwise rotation. Default: 0
BO_BACKGROUND *background*	Background of the stamp box Available values for *background*: BLANKED: The graphic elements of the stamp have a white border within which the document is covered completely. In the other part of the stamp, the document shows through. OPAQUE: The complete stamp including its border covers the document. TRANSPARENT: The document shows through the stamp background. The stamp foreground, that means the stamp text for example, does not show through. Default: TRANSPARENT
BO_BORDER *boolean*	Is a frame to be displayed around the stamp box? Available values for *boolean*: NO: No frame will be displayed. YES: A frame will be displayed. Default: YES
BO_COLOR *color*	Color of the frame around the stamp box Available values for *color*: integer between 0 and 255; the colors are configured in COLOR_DEFINITION_*n*: → *[STAMP_DEFINITION] Section*, page 132 Default: 1, that means Black

.... *To be continued*

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[box] Section, Continuation

....

The [box] section contains the following items, continuation: items, contd.

Item	Description
BO_CONTENTS text0 text1 ...	Sections of the stamp texts belonging to the stamp box Available values for textn: maximum 100 strings containing maximum 20 characters Default: none
BO_CREATION method	Method how the stamp is applied onto the document Available values for method: GRAY_STAMP: The stamp will be output in Gray onto the document. The brightness of the gray stamp is set by the specified brightness of the text color (see TX_COLOR). STAMP: The stamp will be applied onto the document. WATERMARK: The stamp will be applied as watermark behind the document. Watermarks have the same color as stamps. They only differ in their time of creation. Default: STAMP ✎ hint - gray stamp: The layout of the gray stamp will be specified further with the -graystamp parameter when calling pdfstamp/pdfstamphft and by the environment variable PDF_GRAYSTAMP.
BO_DISTANCEX distance	Horizontal distance to the position configured by BO_ALIGNMENT_HOR, BO_ALIGNMENT_VER and BO_ROTATE Available values for distance: float; the unit is meter. Default: 0.0

.... *To be continued*

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[box] Section, Continuation

....

items, contd.

The [box] section contains the following items, continuation:

Item	Description
BO_DISTANCEY *distance*	Vertical distance to the position configured by BO_ALIGNMENT_HOR, BO_ALIGNMENT_VER and BO_RO-TATE Available values for *distance*: float; the unit is meter. Default: 0.0
BO_FRAME *file*	Name of the graphic file that is applied onto the document as graphic stamp Available values for *file*: file name; the graphic file must be available in the directory of the stamp layout file *: The graphic file will be passed together with the output job files (PLOSSYS netdome only). → *Pass a Graphic File With a Job*, page 59 Default: none
BO_HEIGHT *height*	height of the stamp Available values for *height*: float; the unit is meter. Default: 0.03
BO_LWSC *width*	Line width of the frame around the stamp box Available values for *width*: float; the unit is meter. Default: 0.000254
BO_MAXIMIZE *boolean*	Is the stamp box to be enlarged so that the stamp reaches the document border at one side at least? Available values for *boolean*: NO: The stamp box will not be enlarged. YES: The stamp box will be enlarged. Default: NO

.... *To be continued*

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[box] Section, Continuation

....

The [box] section contains the following items, continuation: items, contd.

Item	Description
BO_OFFSETX *offset*	Horizontal distance of the frame to the stamp box Available values for *offset*: float; the unit is meter. Default: `0.0`
BO_OFFSETY *offset*	Vertical distance of the frame to the stamp box Available values for *offset*: float; the unit is meter. Default: `0.0`
BO_ON_SCALEFACTOR *min max*	Scaling factor of the stamp box; the stamp box will only be displayed if the scaling factor of the document is within the specified range. Available values for *min* and *max*: float; the unit is meter. Default: `0.0 1.0` ⚠️ **Caution** - `pdfstamp`/`pdfstamphft`: When stamping with `pdfstamp`/`pdfstamphft`, you have to specified an range that includes `1.0` due to `pdfstamp`/`pdfstamphft` does not scale.
BO_ORIGIN *origin*	reference point of the stamp box Available values for *origin*: `VISIBLE_AREA`: The reference point of the stamp box will be moved to the printable area that means the stamp always appears at the same position of the paper. Default: `BO_ORIGIN` is deactivated that means that the reference point of the stamp box corresponds to the document borders and the stamp always appears at the same position of the document.

....*To be continued*

[box] Section, Continuation

....

items, contd.

The [*box*] section contains the following items, continuation:

Item	Description
BO_PAGES_DOMAIN *domain*	Relation of the pages to be stamped Available values for *domain*: PLOT: The page number relates to the document. SET: The page number relates to the set collation. Default: PLOT ⚠️ **Caution** - pdfstamp/pdfstamphft: BO_PAGES_DOMAIN is only evaluated by PLOSSYS netdome due to pdfstamp/pdfstamphft does not support set collations.
BO_PAGES_TO_STAMP *page*	pages to be stamped Available values for *page*: 0: All pages are stamped. EVEN: The even pages are stamped. FIRST: The first page is stamped. LAST: The last page is stamped. ODD: The odd pages are stamped. *x*MOD*y*: Each page *y* starting as of the page *x* is stamped. *x*..LAST: All pages as of the page *x* are stamped. FIRST..*x*: All pages up to the page *x* are stamped. *x*..*y*: All pages from the page *x* to the page *y* are stamped. Default: 0 ✏️ hint - multiple items: Multiple items are separated by comma, for example: BO_PAGES_TO_STAMP „2,3" BO_PAGES_TO_STAMP „6,8,LAST" BO_PAGES_TO_STAMP „FIRST,2,LAST"

.... *To be continued*

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[box] Section, Continuation

....

The [box] section contains the following items, continuation: items, contd.

Item	Description
BO_REP_X *min max*	Repetition vector in horizontal direction Available values for *min* and *max*: float; the unit is meter. Default: 0.0 0.0
BO_REP_Y *min max*	Repetition vector in vertical direction Available values for *min* and *max*: float; the unit is meter. Default: 0.0 0.0
BO_ROTATE *rot*	Is the stamp box to be rotated with the document? Available values for *rot*: NOT_ROTATE: The stamp box will not be rotated. ROTATE: The stamp box will be rotated. Default: ROTATE ⚠ **Caution** - pdfstamp/pdfstamphft: BO_ROTATE is not supported by pdfstamp/pdfstam-phft.
BO_SCALE_BOX *boolean*	Is the stamp box to be scaled with the document? Available values for *boolean*: NO: The stamp box will not be scaled. YES: The stamp box will be scaled. Default: Setting of SCALE_STAMP → *[STAMP_DEFINITION] Section*, page 132 ⚠ **Caution** - pdfstamp/pdfstamphft: BO_SCALE_BOX is not supported by pdfstamp/pdfstamphft.
BO_TXT_WIDTH_MIN *width*	Minimum width of the stamp box Available values for *width*: float; the unit is meter. Default: The stamp box has the same width as the text contained in it.

....*To be continued*

[box] Section, Continuation

....

items, contd.

The [*box*] section contains the following items, continuation:

Item	Description
BO_WIDTH *width*	width of the stamp Available values for *width*: float; the unit is meter. Default: The graphic or the text is displayed in the original size. 72 dpi is used as default resolution for a graphic.

....

[box] Section, Continuation

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[SIZE_DEFINITIONS] Section

....

In the optional `[SIZE_DEFINITIONS]` section, you configure the formats valid for the format-specific stamp configurations.

purpose

....

The `[SIZE_DEFINITIONS]` section is not supported by PLOSSYS netdome, that means format-specific stamping is only available with `pdfstamp/pdfstamphft`.

⚠️ **Caution** - not PLOSSYS net-dome

....

The `[SIZE_DEFINITIONS]` section contains the following items:

items

Item	Description
format width height	Format with width and height
	Available values for *format*: any string; is used as prefix for the format-specific sections.
	Available values for *width* and *height*: float; the unit is meter.
	Default: none
	If the paper size of a document corresponds to one of the formats using the specified comparison method (`FIT_EXACT`) and the specified tolerance (`TOLERANCE`), the stamp settings are taken from the format-specific section: [*format*\STAMP_DEFINITION] [*format*\text] [*format*\box]
	Otherwise, the defaults from the sections without *format* are used.

....*To be continued*

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[SIZE_DEFINITIONS] Section, Continuation
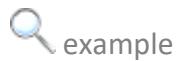
example

[SIZE_DEFINITIONS] section in the stamp layout file:

```
[SIZE_DEFINITIONS]
   DINA4_P 0.210 0.297
   DINA4_L 0.297 0.210
   DINA3_P 0.297 0.420
   DINA3_L 0.420 0.297
   ...
[DINA4_P\STAMP_DEFINITION]
   ...
[DINA4_P\Text_0]
   ...
[DINA4_P\Box_0]
   ...
[DINA4_L\STAMP_DEFINITION]
   ...
[DINA4_L\Text_0]
   ...
[DINA4_L\Box_0]
   ...
```

Example of the Stamp Layout File

....

example

```
# ============================================================
# ------------ Stamp Definition Section ----------------------
# ============================================================

[STAMP_DEFINITION]
    TEXT_DEFINITIONS        Text_0 Text_1
    BOX_DEFINITIONS         Box_0 Box_1 Box_2 Box_3
    COLOR_DEFINITION_2      1.0 0.5 0.0
    COLOR_DEFINITION_3      0.0 0.5 1.0
    SCALE_STAMP             YES
# ============================================================
# ------------ Text Sections ---------------------------------
# ============================================================
[Text_0]
    TX_SIZE             0.004
    TX_COLOR            1
    TX_FONT             -2
    TX_LWSC             0.0004
    TX_OFFSETX          0.0
    TX_OFFSETY          0.0075
    TX_SPACING          0.0
    TX_EXPANSION        2.0
    TX_ALIGNMENT_HOR    CENTER
    TX_ALIGNMENT_VER    BASE
    TX_PATH             RIGHT

[Text_1]
    TX_SIZE             0.007
    TX_COLOR            1
    TX_FONT             -10001
    TX_LWSC             0.0002
    TX_OFFSETX          0.0
    TX_OFFSETY          0.0000
    TX_SPACING          0.0
    TX_EXPANSION        2.0
    TX_ALIGNMENT_HOR    CENTER
    TX_ALIGNMENT_VER    BASE
    TX_PATH             RIGHT
# ============================================================
# -------------- Box Definition Section ----------------------
# ============================================================
[Box_0]
    BO_CONTENTS         Text_0
    BO_ALIGNMENT_HOR    LEFT
    BO_ALIGNMENT_VER    BOTTOM
    BO_ROTATE           ROTATE
    BO_ANGLE            10.0
    BO_DISTANCEX        0.02
    BO_DISTANCEY        0.00
    BO_OFFSETX          0.002
    BO_OFFSETY          0.002
    BO_BORDER           Y
    BO_COLOR            1
    BO_LWSC             0.001
    BO_BACKGROUND       TRANSPARENT
    BO_CREATION         STAMP
    BO_REP_X            0.000000 0.000000
    BO_REP_Y            0.000000 0.000000
    BO_MAXIMIZE         NO
    BO_ON_SCALEFACTOR   0.0 99.9
```
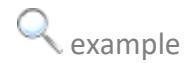
....*To be continued*

Example of the Stamp Layout File, Continuation

....

example,
continuation

```
[Box_1]
    BO_CONTENTS       Text_1
    BO_ALIGNMENT_HOR  CENTER
    BO_ALIGNMENT_VER  TOP
    BO_ROTATE         ROTATE
    BO_ANGLE          0.0
    BO_DISTANCEX      0.00
    BO_DISTANCEY      0.005
    BO_OFFSETX        0.002
    BO_OFFSETY        0.001
    BO_BORDER         Y
    BO_COLOR          2
    BO_LWSC           0.0002
    BO_BACKGROUND     OPAQUE
    BO_CREATION       STAMP
    BO_REP_X          0.000000 0.000000
    BO_REP_Y          0.000000 0.000000
    BO_MAXIMIZE       NO
    BO_ON_SCALEFACTOR 0.0 99.9

[Box_2]
    BO_ALIGNMENT_HOR  LEFT
    BO_ALIGNMENT_VER  CENTER
    BO_ROTATE         ROTATE
    BO_ANGLE          0.0
    BO_DISTANCEX      0.05
    BO_DISTANCEY      0.00
    BO_OFFSETX        0.002
    BO_OFFSETY        0.002
    BO_BORDER         Y
    BO_COLOR          1
    BO_LWSC           0.0002
    BO_BACKGROUND     TRANSPARENT
    BO_CREATION       STAMP
    BO_REP_X          0.000000 0.000000
    BO_REP_Y          0.000000 0.000000
    BO_MAXIMIZE       N
    BO_ON_SCALEFACTOR 0.0 99.9
    BO_FRAME          seallogo.met
    BO_WIDTH          0.06
    BO_HEIGHT         0.06

[Box_3]
    BO_ALIGNMENT_HOR  RIGHT
    BO_ALIGNMENT_VER  BOTTOM
    BO_ROTATE         ROTATE
    BO_ANGLE          30
    BO_DISTANCEX      0.00
    BO_DISTANCEY      0.07
    BO_OFFSETX        0.002
    BO_OFFSETY        0.002
    BO_BORDER         N
    BO_COLOR          1
    BO_LWSC           0.0002
    BO_BACKGROUND     TRANSPARENT
    BO_CREATION       WATERMARK
    BO_REP_X          0.10 0.05
    BO_REP_Y          0.06 0.12
    BO_MAXIMIZE       N
    BO_ON_SCALEFACTOR 0.0 99.9
    BO_FRAME          seallogo.met
    BO_WIDTH          0.06
    BO_HEIGHT         0.06
```

....

8.2 PDF Configuration File (.db)

....

In the PDF configuration file, you configure the settings for the PDF generation.

purpose

....

With PLOSSYS netdome, the PDF configuration file is configured at the output queue.

PLOSSYS net-dome

....

With `pdfstamp`/`pdfstamphft`, the PDF configuration file must be specified.

`pdfstamp`/ `pdfstamphft`

....

The PDF configuration file is specified with the `-db` parameter when calling `pdfstamp`/`pdfstamphft`.

→ *-db <string> PDF Configuration File*, page 97

parameter

....

→ *Items of the PDF Configuration File*, page 150

items

....

→ *Example of the PDF Configuration File*, page 154

example

....

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Items of the PDF Configuration File

....

items

The PDF configuration file contains the following items:

Item	Description
`PDF.Author:` *author*	Entry for the document property `Author` in the PDF file
	Available values for *author*: any string
	Default: none
`PDF.colour:` *n red green blue name*	Color definition
	Available values for *n*: *n* can be between `0` and `16` and is specified in the stamp texts in `TX_COLOR` and in stamp boxes in `BO_COLOR`.
	Available values for *red green blue*: three floats between `0.0` and `1.0` for the red, green and blue components of the color
	Available values for *name*: any string as color name
	Default: Color table from `default.db`
`PDF.color_available:` *boolean*	How are the colors to be displayed in the PDF file?
	Available values for *boolean*: `NO`: The colors are displayed as grayscale. `YES`: The colors are displayed as colors.
	Default: `YES`
`PDF.compression:` *boolean*	Is the FlatDecode compression method to be used?
	Available values for *boolean*: `NO`: The file will not be compressed. `YES`: The file will be compressed using Flat-Decode.
	Default: `NO`

.... *To be continued*

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Items of the PDF Configuration File, Continuation

....

The PDF configuration file contains the following items, continuation:

items, contd.

Item	Description
PDF.Creator: *creator*	Entry for the document property `Creator` in the PDF file Available values for *creator*: any string Default: none
PDF.font: *nr name render object*	Font definition Available values for *nr*: integer; will be specified in `TX_FONT` for the stamp texts. Available values for *name*: any string for the font name Available values for *render*: `FILL`: The filling of the characters is displayed. `FILLSTROKE`: The filling and the line of the characters are displayed. `INVISIBLE`: The characters are invisible. `STROKE`: The line of the characters is displayed. Available values for *object*: Name of the font file Default: none ✏ hint - directory: The fonts must be available in the `SEAL-FONTS\pdo` directory.

....*To be continued*

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Items of the PDF Configuration File, Continuation

....

items, contd.

The PDF configuration file contains the following items, continuation:

Item	Description
PDF.gray_available: *boolean*	How are the grayscales to be displayed in the PDF file Available values for *boolean*: NO: The grayscales are displayed in Black and White. YES: The grayscales are displayed as grayscales. Default: YES ✏️ hint - PDF.color_available: PDF.color_available takes priority that means PDF.gray_available will only be evaluated if PDF.color_available: NO has been specified.
PDF.Keywords: *keywords*	Entry for the document property Keywords in the PDF file Available values for *keywords*: any string Default: none
PDF.precision: *prec*	Number of decimal places used in coordinates Available values for *prec*: integer Default: 0
PDF.Producer: *producer*	Entry for the document property Producer in the PDF file Available values for *producer*: any string Default: none
PDF.resolution: *res*	Resolution of the internal coordinates Available values for *res*: integer Default: 600

.... *To be continued*

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Items of the PDF Configuration File, Continuation

....

The PDF configuration file contains the following items, continuation: items, contd.

Item	Description
PDF.Subject: *subject*	Entry for the document property `Subject` in the PDF file Available values for *subject*: any string Default: none
PDF.Titel: *title*	Entry for the document property `Title` in the PDF file Available values for *title*: any string Default: none
PDF.type: *version*	Is the PDF file to be generated conform to PDF/A? Available values for *version*: `PDFA`: The file will be generated conform to PDF/A 1b. `PDF`: The file will be generated as "normal" PDF file. Default: `PDF`
PDF.Version: *version*	The PDF file is to be generated in which PDF version? Available values for *version*: `1.`*n*: The file will be generated in PDF 1.*n*. Default: `1.4`

....

Example of the PDF Configuration File

example

```
#-------------------------------------------------------------
PDF.Version:      1.4
#-------------------------------------------------------------
PDF.precision: 0
PDF.resolution: 600
PDF.compression: Yes
#-------------------------------------------------------------
PDF.colour_available: YES
#-------------------------------------------------------------
PDF.colour:  0 1.0       1.0       1.0       white
PDF.colour:  1 0.0       0.0       0.0       black
PDF.colour:  2 1.0       0.0       0.0       red
PDF.colour:  3 0.0       1.0       0.0       green
PDF.colour:  4 0.0       0.0       1.0       blue
PDF.colour:  5 0.0       1.0       1.0       cyan
PDF.colour:  6 1.0       0.0       1.0       magenta
PDF.colour:  7 1.0       1.0       0.0       yellow
PDF.colour:  8 0.33      0.33      0.33      dark grey
PDF.colour:  9 0.66      0.66      0.66      light grey
PDF.colour: 10 1.00      0.5       0.0       orange
PDF.colour: 11 0.0       1.0       0.5       turquoise
PDF.colour: 12 0.5       0.0       1.0       purple
PDF.colour: 13 0.0       0.5       1.0       light blue
PDF.colour: 14 1.0       0.0       0.5       wine red
PDF.colour: 15 0.5       1.0       0.0       grass green
#-------------------------------------------------------------
PDF.font:   -1001 Helvetica FILL    helvetica.pdo
PDF.font:   -1002 Courier FILL    courier.pdo
PDF.font:   -1003 Times-Roman FILL    times.pdo
PDF.font:   -1004 Symbol FILL    symbol.pdo
PDF.font:   -1005 Helvetica-Bold FILL    helvetica_bold.pdo
PDF.font:   -1006 Helvetica-BoldOblique FILL helvetica_boldoblique.pdo
PDF.font:   -1007 Helvetica-Oblique FILL helvetica_oblique.pdo
PDF.font:   -1008 Courier-Bold FILL courier_bold.pdo
PDF.font:   -1009 Courier-BoldOblique FILL courier_boldoblique.pdo
PDF.font:   -1010 Courier-Oblique FILL courier_oblique.pdo
PDF.font:   -1011 Times-Bold FILL times.pdo
PDF.font:   -1012 Times-BoldItalic FILL times_bolditalic.pdo
PDF.font:   -1013 Times-Italic FILL times_italic.pdo
PDF.font:   -2001 Helvetica STROKE helvetica.pdo
PDF.font:   -2002 Courier STROKE courier.pdo
PDF.font:   -3001 Helvetica FILLSTROKE helvetica.pdo
PDF.font:   -3002 Courier FILLSTROKE courier.pdo
PDF.font:   -4001 Helvetica INVISIBLE helvetica.pdo
PDF.font:   -4002 Courier INVISIBLE courier.pdo
#-------------------------------------------------------------
PDF.Title:     "PDF Document"
PDF.Author:    "SEAL Systems"
PDF.Creator:   "pdftools"
PDF.Producer:  "pdfstamp"
PDF.Subject:   "PDF document created by pdfstamp"
PDF.Keywords:  " "
```

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8.3   Flagpage Configuration

....

With the flagpage configuration settings, you configure the position and the layout of the flagpage.

purpose

....

With PLOSSYS netdome, you specify the settings for the flagpage in the `plossys.cfg` configuration file.

PLOSSYS net-dome

....

With `pdfstamp`/`pdfstamphft`, you specify the settings for the flagpage in a flagpage configuration file.

`pdfstamp`/
`pdfstamphft`

....

The flagpage configuration file is specified with the `-fp` parameter when calling `pdfstamp`/`pdfstamphft`.

parameter

→ *-fp <string> Flagpage Configuration File*, page 100

....

→ *Flagpage Configuration Settings*, page 156

items

....

→ *Example of the Flagpage Configuration Settings*, page 160

🔍 example

....

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Flagpage Configuration Settings

....

settings

The following flagpage configuration settings are available:

Item	Description
FP_ALIGNMENT *align*	Horizontal alignment of the flagpage; in addition to FP_SIDE, the flagpage can be positioned at every document corner this way. Available values for *align*: CENTER: centered LEFT: left-aligned RIGHT: right-aligned Default: CENTER
FP_CLEARBG *boolean*	Is the background of the flagpage to be cleared? Available values for *boolean*: NO: The background will not be cleared. YES: The background will be cleared. Default: NO
FP_COLOR *color*	Color of the flagpage text Available values for *color*: integer between 0 and 255; the colors are configured in COLOR_DEFINITION_*n* in the stamp layout file: → *[STAMP_DEFINITION] Section*, page 132 Default: 1, that means Black
FP_DISTANCEX *distance*	Horizontal distance to the document border Available values for *distance*: float; the unit is meter. Default: 0.0
FP_DISTANCEY *distance*	Vertical distance to the document border Available values for *distance*: float; the unit is meter. Default: 0.0

....*To be continued*

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Flagpage Configuration Settings, Continuation

....

The following flagpage configuration settings are available, contd.:

Item	Description
FP_FONT *font*	Font of the flagpage text Available values for *font*: GKS font number Default: `-2` 🛟 reference - GKS fonts: The GKS fonts and their numbers are described in [FONTS_USR].

FP_GENERATE *generate*	When is the flagpage to be created?
	
	Available values for *generate*:
	    `ALLOWED`: The flagpage will be generated dependent on the header item.
	    `EVER`: The flagpage will always be generated independent of the header item.
	    `NEVER`: The flagpage will never be generated independent of the header item.
	
	Default: `ALLOWED`
	
	⚠️ **Caution** - `pdfstamp/pdfstamphft`:
	
	FP_GENERATE is not supported by `pdfstamp/pdfstamphft`.

FP_LINEWIDTH *width*	Line width of the stamp text Available values for *width*: float; the unit is meter. Default: `0.0003`

FP_POSITION *position*	Position of the flagpage refering to the document border
	
	Available values for *position*:
	    `INSIDE`: The flagpage will be applied inside the document border.
	    `OPTIONAL_OUTSIDE`: The flagpage will be applied outside the document if this is possible without scaling the document, otherwise, it will be applied inside.
	    `OUTSIDE`: The flagpage will be applied outside the document border. If required, the document is scaled or clipped dependent on the scaling type.
	
	Default: `OUTSIDE`

....*To be continued*

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Flagpage Configuration Settings, Continuation

....

settings, continuation

The following flagpage configuration settings are available, contd.:

Item	Description
FP_ROTATE *rot*	Is the flagpage to be rotated with the document? Available values for *rot*: NOT_ROTATE: The flagpage will not be rotated. ROTATE: The flagpage will be rotated. Default: ROTATE ⚠️ **Caution** - pdfstamp/pdfstamphft: FP_ROTATE is not supported by pdfstamp/pdfstamphft.
FP_SIDE *side*	Document border where the flagpage is output; in addition to FP_ALIGNMENT, the flagpage can be positioned at every document corner this way. Available values for *side*: BOTTOM: document border at the bottom LEFT: document border at the left RIGHT: document border at the right TOP: document border at the top Default: BOTTOM
FP_SPACING *spacing*	Character spacing of the flagpage text Available values for *spacing*: float; 1.0 means that the additional spacing corresponds to the height of a capital letter. Default: 0.0
FP_TEXTSIZE *size*	Text size of the flagpage Available values for *size*: float; the unit is meter. Default: 0.003

.... *To be continued*

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Flagpage Configuration Settings, Continuation

....

The following flagpage configuration settings are available, contd.:

Item	Description
`FP_UPVECTOR` *orientation*	Orientation of the flagpage Available values for *orientation*: `IN`: The flagpage can be read when looking from outside to the document center. `NONE`: The flagpage at the left or the right border can be read from the right, the flagpage at the top or the bottom border, can be read from the bottom. `OUT`: The flagpage can be read when looking from the document center outwards. Default: `IN` ⚠️ **Caution** - `pdfstamp/pdfstamphft`: `FP_UPVECTOR` is not supported by `pdfstamp/pdfstamphft`.

....

Example of the Flagpage Configuration Settings

example

```
FP_POSITION          OUTSIDE
FP_SIDE              RIGHT
FP_ALIGNMENT         CENTER
FP_COLOR             2
FP_DISTANCEX         0.001
FP_DISTANCEY         0.001
FP_FONT              -855
FP_LINEWIDTH         0.0005
FP_SPACING           0.000
FP_TEXTSIZE          0.003
FP_CLEARBG           N
```

Appendix A Examples of the Stamp Layout File

....

This chapter deals with the following topics:

....

Colored Graphic Stamp Top Left

....

stamp layout file Extract of the stamp layout file:

```
[STAMP_DEFINITION]
    TEXT_DEFINITIONS        Text_5
    BOX_DEFINITIONS         Box_0
    COLOR_DEFINITION_2      1.0 0.5 0.0
    COLOR_DEFINITION_3      0.0 0.5 1.0
    SCALE_STAMP             NO
[Box_0]
    BO_ALIGNMENT_HOR        LEFT
    BO_ALIGNMENT_VER        TOP
    BO_ROTATE               ROTATE
    BO_ANGLE                0.0
    BO_DISTANCEX            0.020
    BO_DISTANCEY            0.030
    BO_OFFSETX              0.000
    BO_OFFSETY              0.000
    BO_BORDER               Y
    BO_COLOR                1
    BO_LWSC                 0.001
    BO_BACKGROUND           TRANSPARENT
    BO_CREATION             STAMP
    BO_FRAME                seal_logo.met
    BO_WIDTH                0.08
    BO_HEIGHT               0.02
```

.... *To be continued*

Colored Graphic Stamp Top Left, Continuation

result
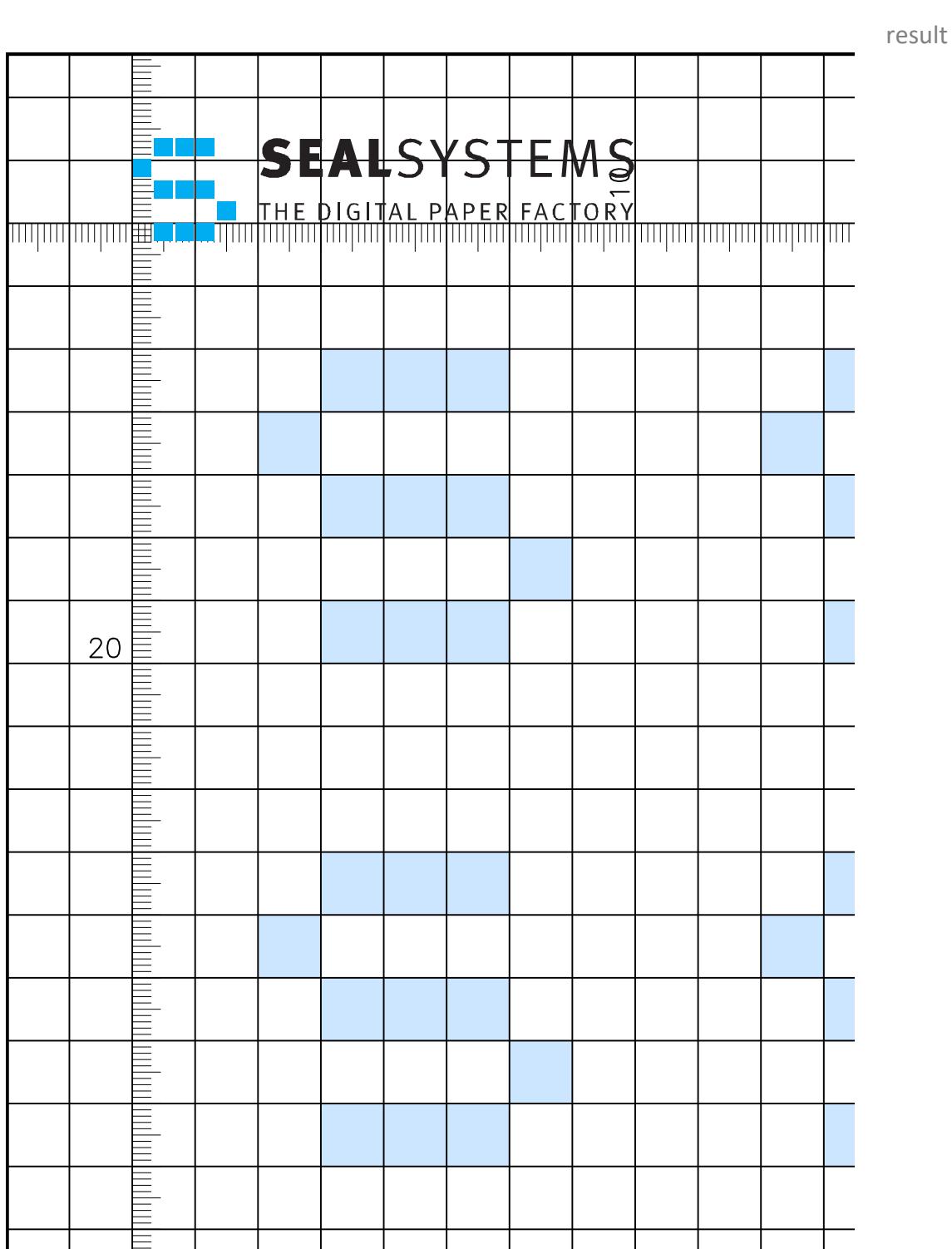
Red Text Stamp Across the Document

....

stamp layout file   Extract of the stamp layout file:

```
[STAMP_DEFINITION]
    TEXT_DEFINITIONS        Text_0
    BOX_DEFINITIONS         Box_2
    COLOR_DEFINITION_2      1.0 0.0 0.0
    SCALE_STAMP             YES
[Text_0]
    TX_SIZE                 0.010
    TX_COLOR                2
    TX_FONT                 -401
    TX_LWSC                 0.0004
    TX_OFFSETX              0.0
    TX_OFFSETY              0.0075
    TX_SPACING              0.0
    TX_EXPANSION            2.0
    TX_ALIGNMENT_HOR        CENTER
    TX_ALIGNMENT_VER        BASE
    TX_PATH                 RIGHT
[Box_2]
    BO_CONTENTS             Text_0
    BO_ALIGNMENT_HOR        CENTER
    BO_ALIGNMENT_VER        CENTER
    BO_ROTATE               ROTATE
    BO_ANGLE                25.0
    BO_DISTANCEX            0.000
    BO_DISTANCEY            0.000
    BO_OFFSETX              0.002
    BO_OFFSETY              0.002
    BO_BORDER               Y
    BO_COLOR                2
    BO_LWSC                 0.001
    BO_BACKGROUND           BLANKED
    BO_CREATION             STAMP
```

.... *To be continued*

Red Text Stamp Across the Document, Continuation

result
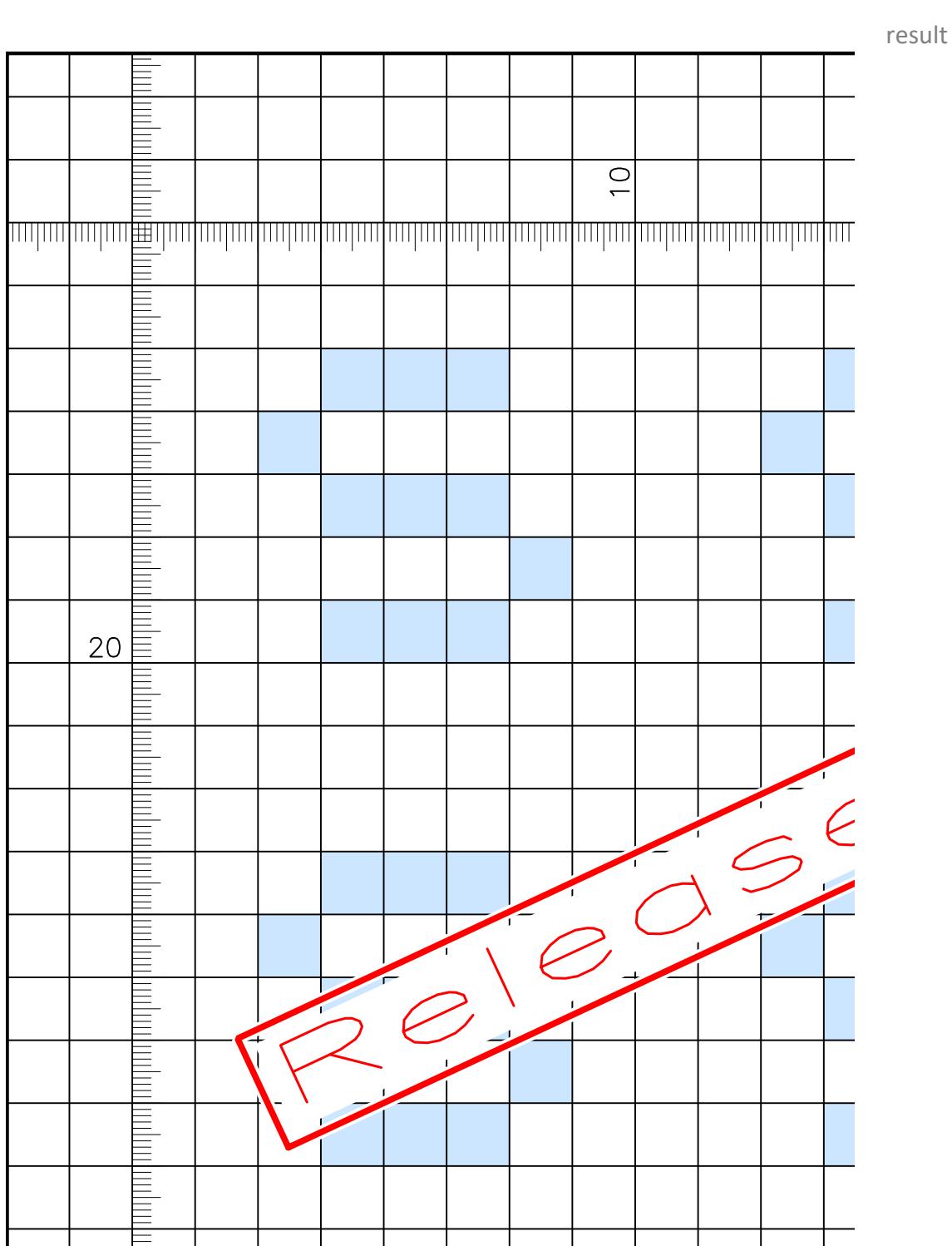
Transparent, Two-Line Text Stamp Bottom Right

....

stamp layout file

Extract of the stamp layout file:

```
[STAMP_DEFINITION]
   TEXT_DEFINITIONS        Text_1 Text_2
   BOX_DEFINITIONS         Box_1
   COLOR_DEFINITION_2      1.0 0.0 0.0
   COLOR_DEFINITION_3      0.7 0.7 0.7
   SCALE_STAMP             YES
[Text_1]
   TX_SIZE                 0.004
   TX_COLOR                3
   TX_FONT                 -501
   TX_LWSC                 0.0004
   TX_OFFSETX              0.0
   TX_OFFSETY              0.0075
   TX_SPACING              0.0
   TX_EXPANSION            2.0
   TX_ALIGNMENT_HOR        CENTER
   TX_ALIGNMENT_VER        TOP
   TX_PATH                 RIGHT
[Text_2]
   TX_SIZE                 0.002
   TX_COLOR                3
   TX_FONT                 -401
   TX_LWSC                 0.0004
   TX_OFFSETX              0.0
   TX_OFFSETY              0.0075
   TX_SPACING              0.0
   TX_EXPANSION            2.0
   TX_ALIGNMENT_HOR        CENTER
   TX_ALIGNMENT_VER        BASE
   TX_PATH                 RIGHT
[Box_1]
   BO_CONTENTS             Text_1 Text_2
   BO_ALIGNMENT_HOR        RIGHT
   BO_ALIGNMENT_VER        BOTTOM
   BO_ROTATE               ROTATE
   BO_ANGLE                -15.0
   BO_DISTANCEX            0.05
   BO_DISTANCEY            0.06
   BO_OFFSETX              0.002
   BO_OFFSETY              0.002
   BO_BORDER               Y
   BO_COLOR                3
   BO_LWSC                 0.001
   BO_BACKGROUND           TRANSPARENT
   BO_CREATION             STAMP
```

.... *To be continued*

Transparent, Two-Line Text Stamp Bottom Right,

Continuation

result

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Stamping (PLOSSYS netdome, pdfstamp)
User Manual
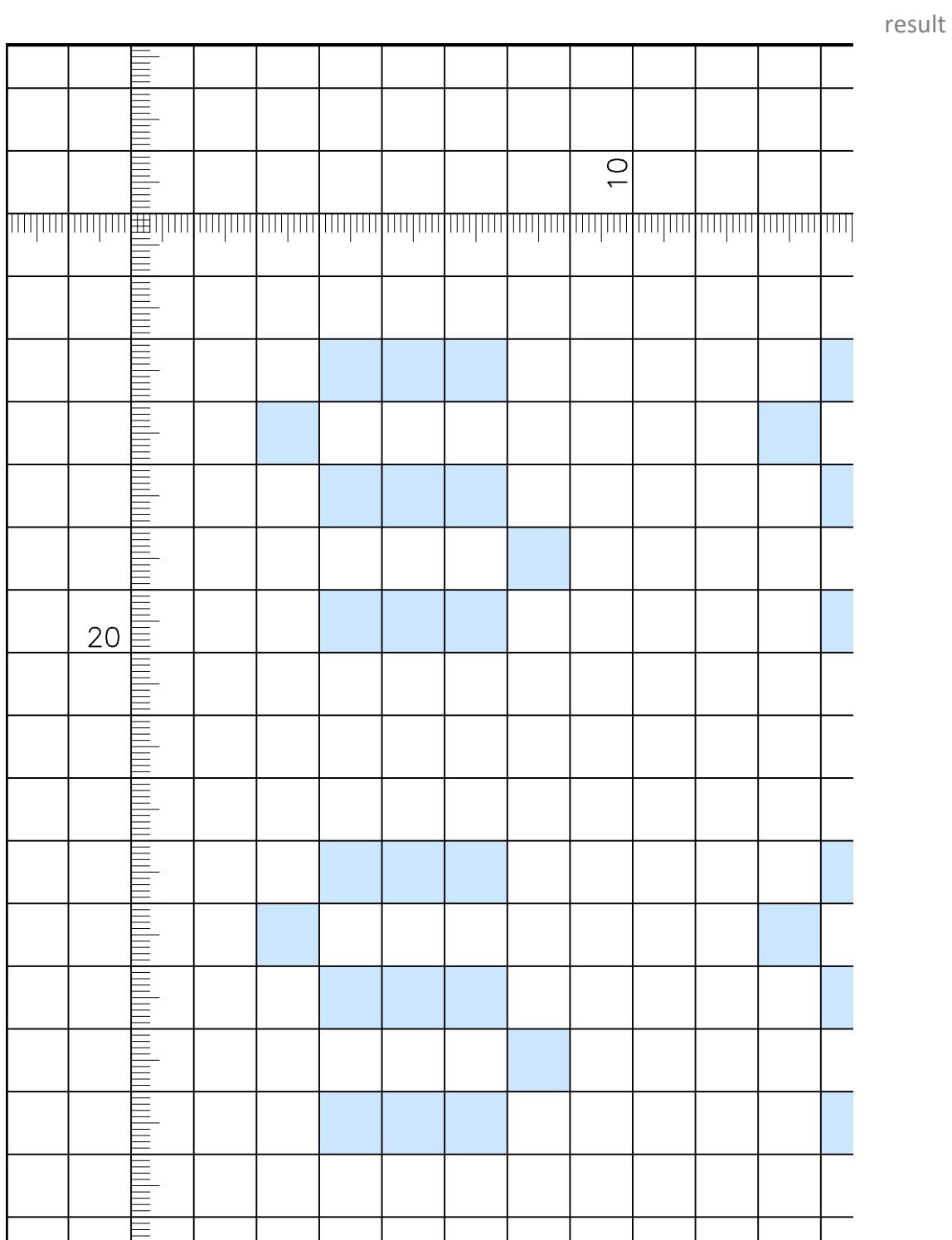
Gray Text Stamp Center

....

stamp layout file   Extract of the stamp layout file:

```
[STAMP_DEFINITION]
    TEXT_DEFINITIONS        Text_5
    BOX_DEFINITIONS         Box_1
    COLOR_DEFINITION_3      0.7 0.7 0.7
    SCALE_STAMP             YES
[Text_5]
    TX_SIZE                 0.008
    TX_COLOR                3
    TX_FONT                 -401
    TX_LWSC                 0.0004
    TX_OFFSETX              0.0
    TX_OFFSETY              0.0075
    TX_SPACING              0.0
    TX_EXPANSION            1.0
    TX_ALIGNMENT_HOR        CENTER
    TX_ALIGNMENT_VER        TOP
    TX_PATH                 RIGHT
[Box_1]
    BO_CONTENTS             Text_5
    BO_ALIGNMENT_HOR        CENTER
    BO_ALIGNMENT_VER        CENTER
    BO_ROTATE               ROTATE
    BO_ANGLE                00.0
    BO_DISTANCEX            0.002
    BO_DISTANCEY            0.002
    BO_OFFSETX              0.002
    BO_OFFSETY              0.002
    BO_BORDER               Y
    BO_COLOR                3
    BO_LWSC                 0.001
    BO_BACKGROUND           TRANSPARENT
    BO_CREATION             GRAY_STAMP
```

.... *To be continued*

Gray Text Stamp Center, Continuation

result
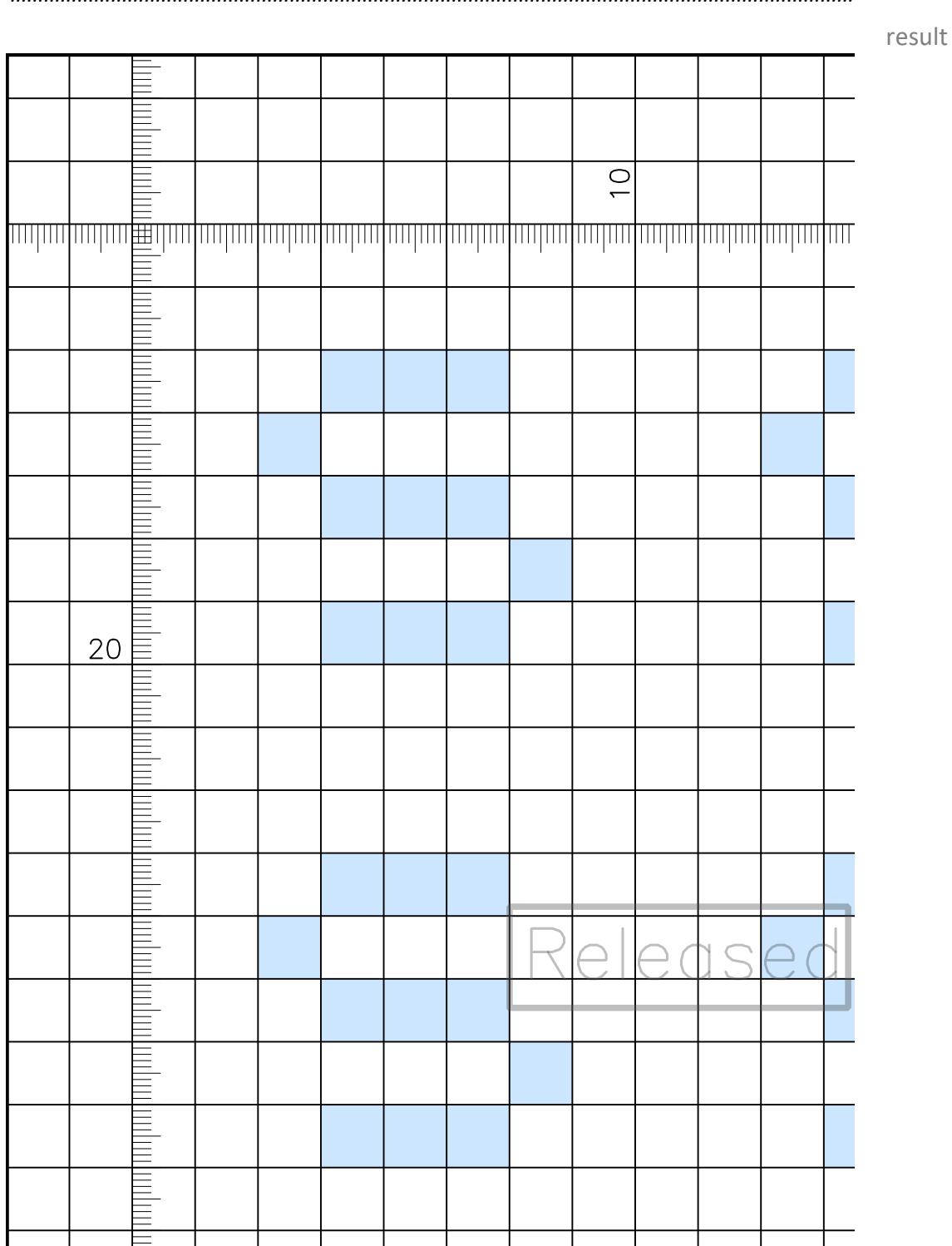
Graphic Stamp As Watermark With Repetition

stamp layout file   Extract of the stamp layout file:

```
[STAMP_DEFINITION]
    BOX_DEFINITIONS         Box_6
    SCALE_STAMP             NO
[Box_6]
    BO_ALIGNMENT_HOR        RIGHT
    BO_ALIGNMENT_VER        BOTTOM
    BO_ROTATE               ROTATE
    BO_ANGLE                10.0
    BO_DISTANCEX            0.00
    BO_DISTANCEY            0.07
    BO_OFFSETX              0.002
    BO_OFFSETY              0.002
    BO_BORDER               N
    BO_COLOR                1
    BO_LWSC                 0.002
    BO_BACKGROUND           TRANSPARENT
    BO_CREATION             WATERMARK
    BO_FRAME                seal_logo.met
    BO_WIDTH                0.03
    BO_HEIGHT               0.03
    BO_REP_X                0.15 0.10
    BO_REP_Y                0.15 0.06
```

.... *To be continued*

Graphic Stamp As Watermark With Repetition, Continuation

result

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Stamping (PLOSSYS netdome, pdfstamp)
User Manual
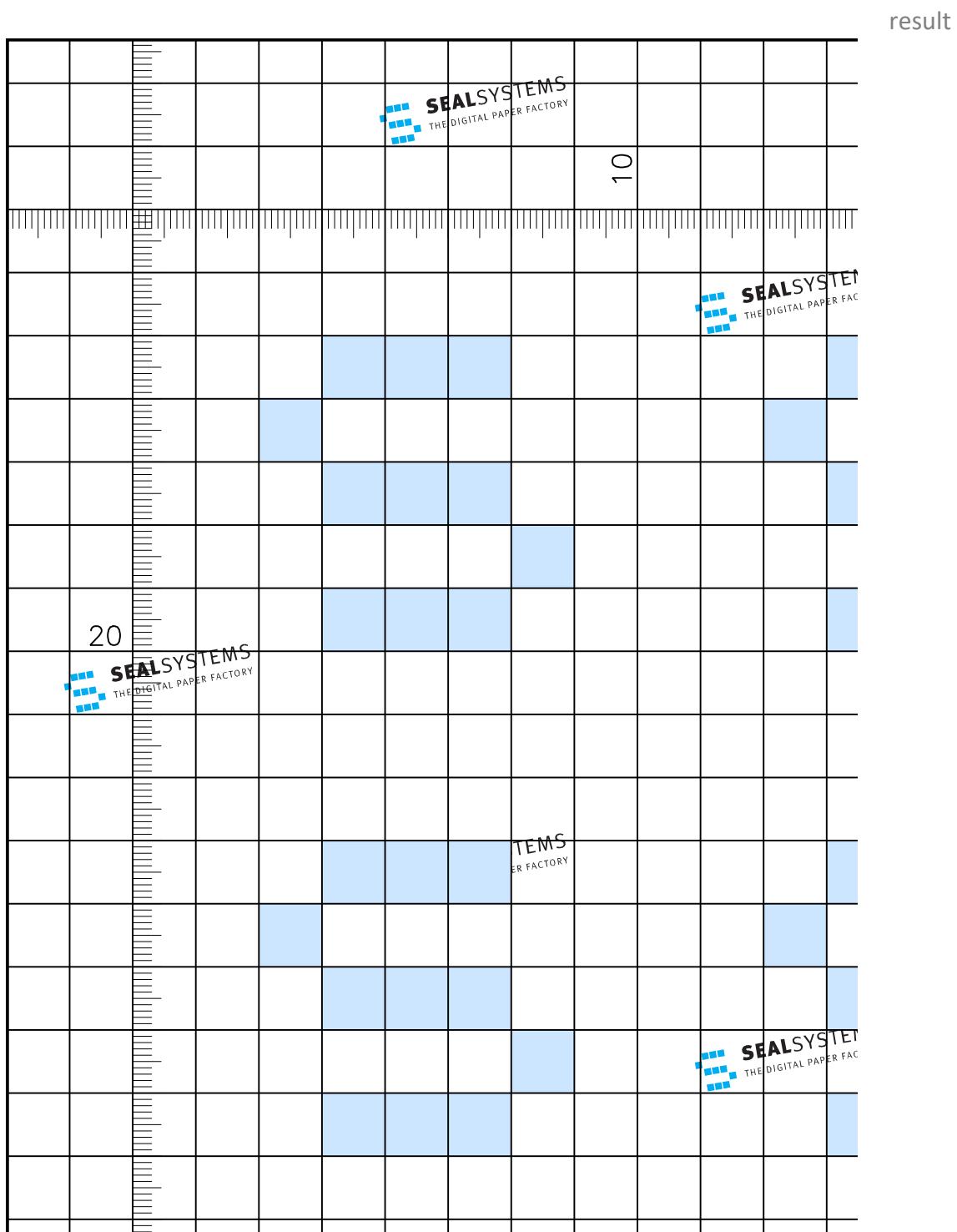
Stamp Mirrored Top Center

....

stamp layout file

Extract of the stamp layout file:

```
[STAMP_DEFINITION]
    TEXT_DEFINITIONS        Text_9
    BOX_DEFINITIONS         Box_6
    COLOR_DEFINITION_2      1.0 0.5 0.0
    SCALE_STAMP             NO
[Text_9]
    TX_SIZE                 0.005
    TX_COLOR                2
    TX_FONT                 -401
    TX_LWSC                 0.0004
    TX_OFFSETX              0.0
    TX_OFFSETY              0.0075
    TX_SPACING              -0.5
    TX_EXPANSION            -2.0
    TX_ALIGNMENT_HOR        CENTER
    TX_ALIGNMENT_VER        BASE
    TX_PATH                 RIGHT
[Box_6]
    BO_CONTENTS             Text_9
    BO_ALIGNMENT_HOR        CENTER
    BO_ALIGNMENT_VER        TOP
    BO_ROTATE               ROTATE
    BO_ANGLE                0.0
    BO_DISTANCEX            0.07
    BO_DISTANCEY            0.02
    BO_OFFSETX              0.002
    BO_OFFSETY              0.002
    BO_BORDER               N
    BO_COLOR                1
    BO_LWSC                 0.001
    BO_BACKGROUND           OPAQUE
    BO_CREATION             STAMP
```

.... *To be continued*

Stamp Mirrored Top Center, Continuation

result

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Stamping (PLOSSYS netdome, pdfstamp)
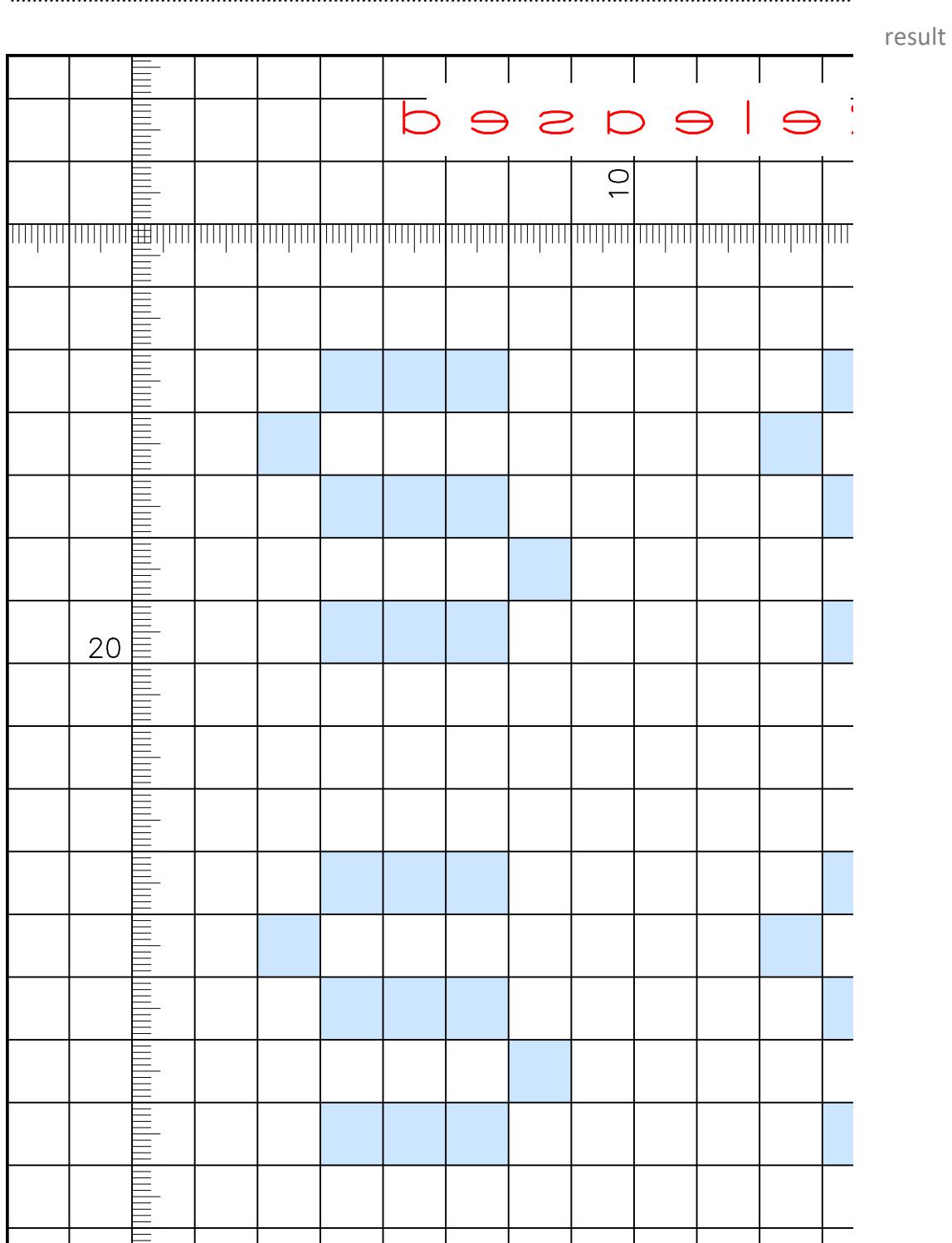
User Manual

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[PLOSSYS_PARAM_TEC]   *PLOSSYS Job Parameter*, System Description, SEAL Systems

[TIFFSTAMP_TEC]   *TIFF Tools - TIFF Stamp*, System Description, SEAL Systems

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Terminology

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Adobe Acrobat Reader

                Product from Adobe Systems for viewing PDF files

Inscription	→Flagpage
Flagpage	Lettering line in the margin of the document
Header	File in ASCII format that contains items for configuring an output job for →PLOSSYS netdome
PDF Collection	contains one or more files. The embedded files may contain additional describing information (for example, sender, receiver, e-mail subject) which are displayed by Adobe Acrobat Reader in the search. PDF collections may contain folder structure information. The main file serves as cover sheet and contains the description of the additional information.
PDF Portfolio	corresponds to a PDF collection whose main file is only a dummy.
PLOSSYS netdome	Output management system from SEAL Systems
Stamp	Graphic element which is applied onto the document
UserUnit	→Adobe Acrobat Reader can only display PDF files up to a size of 14400 units (200 inch). If a UserUnit is set in the PDF file, all internal metric coordinates are divided by the value of the UserUnit. Because →Adobe Acrobat Reader and other viewers evaluate the UserUnit, the correct size is identified further on.
Watermark	Stamp applied as watermark behind the document

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Abbreviations

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ASCII   American Standard Code for Information Interchange
DIN   German Institute of Standardization
GKS   Graphic Kernel System
HFT   Host Function Table
ISO   International Standards Organization
JPEG   Joint Photograhic Experts Group
PDF   Adobe Portable Document Format
PDF/A   Adobe Portable Document Format
PNG   Portable Network Graphics
RGB   Red Green Blue
TIFF   Tagged Image File Format
XFA   XML Forms Architecture
XML   Extensible Markup Language

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