PLOSSYS Job Parameter

System Description

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SEAL Systems

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1 Introduction

purpose

This documentation describes the job parameters of output jobs for PLOSSYS 4 and PLOSSYS Output Engine.


hint - new product names

As of the following versions, new product names have been introduced:

- As of version 4.10.0, PLOSSYS netdome has been renamed to PLOSSYS 4 (short: P4).
- As of version 6.0.0, PLOSSYS 5 has been renamed to PLOSSYS Output Engine (short: Output Engine).

PLOSSYS 4/ PLOSSYS Output Engine

In general, PLOSSYS Output Engine supports the same job parameters as PLOSSYS 4. However, due to the reduced functionality, not all job parameters that can be used in PLOSSYS 4 are also supported in PLOSSYS Output Engine.

target group

This documentation is intended for PLOSSYS 4 and PLOSSYS Output Engine administrators who want to configure the output of jobs.

in this chapter

This chapter deals with the following topics:

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Conventions in this Documentation

path specification

The path information given in this documentation is relative to the installation directory of PLOSSYS 4. This is usually the home directory of the `plossys` user with PLOSSYS 4. 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

structure

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.

description

The description deals with the following topics:

Processing in PLOSSYS Output Engine, page 21, describes the headers in which the job parameters are passed to PLOSSYS 4.

Processing in PLOSSYS Output Engine, page 21, explains how the job parameters are transferred to PLOSSYS Output Engine.

Important Configurations, page 25, describes the most common configuration options that are relevant for job parameters.

reference

The reference contains the following chapters:

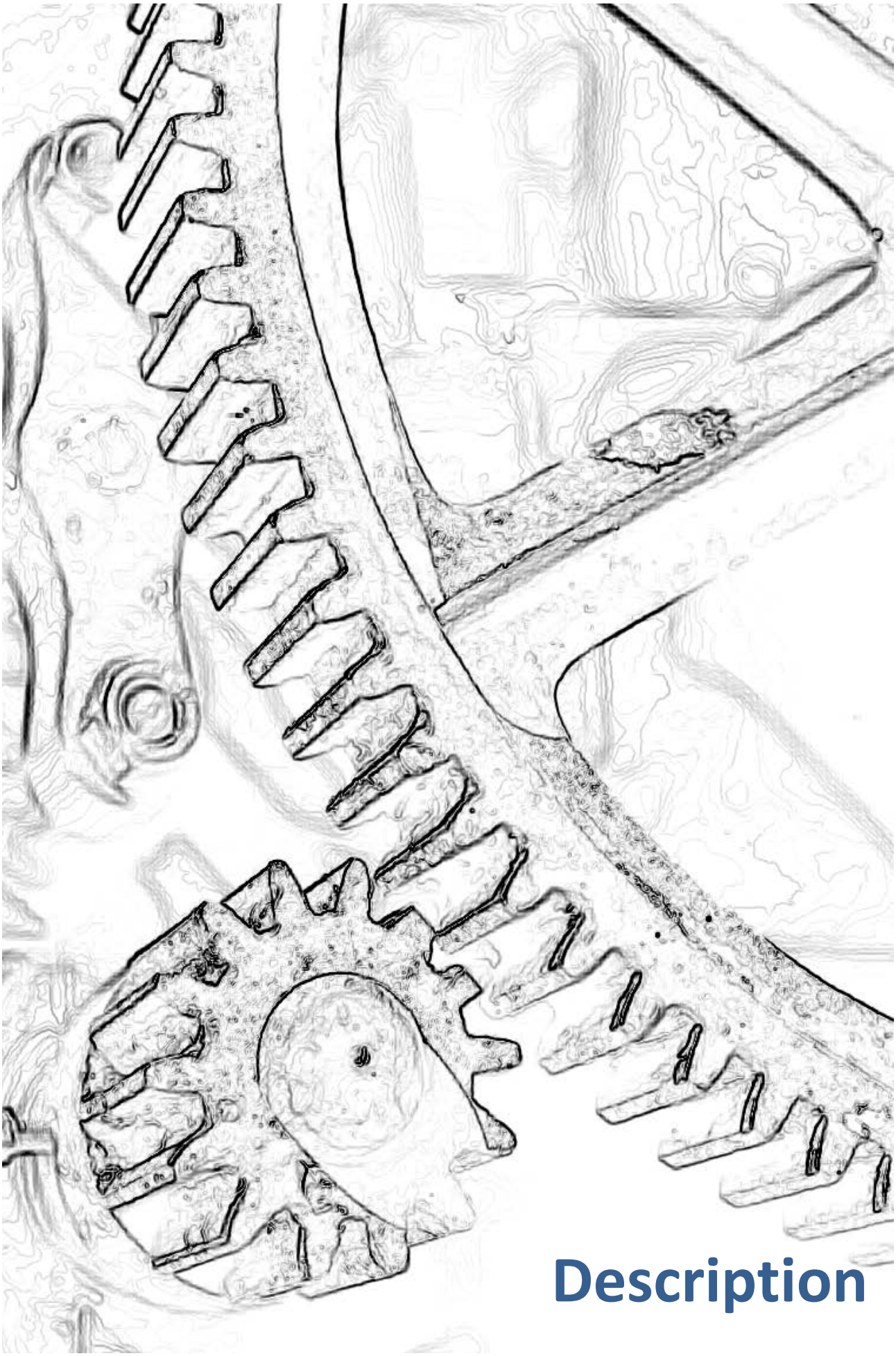
- *Job Parameters - Reference*, page 41, with a listing of all job parameters for PLOSSYS 4 and/or PLOSSYS Output Engine and their value ranges.

appendix

Appendix A contains a list of supported character encodings.

directories

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



Description

2 Processing in PLOSSYS 4

This chapter deals with the following topics: in this chapter

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Header

purpose

A header controls the processing and the output of a job in PLOSSYS 4.

A header is a configuration file which contains the following information (job parameters):

- job parameters for the processing of the job
- job parameters for the output of the job
- information about the job

for each job

Each job has to have a header.

names

A header has the name of the correspondent job and the `.hed` file extension.

storage

The header is located parallel to the job.

creation

Normally, the header is created by the PLOSSYS 4 clients.

default

There is a default for each job parameter.

The required job parameters are set by the conversion service or the defaults are taken.

configuration

The header can be configured via the following user interfaces:

- PLOSSYS netdome Settings (PNE)
  → [NETDOME_SETTINGS_TEC]

Structure

A header has the following structure: structure

- Headers are sequential ASCII files.
- One job parameter with keyword and value is specified per line.
  - *$jobparameter == „value“*
  - The job parameter starts with $ (dollar sign).
  - The value has to be enclosed in "" (double quotation marks).
- Settings within the value are separated by blanks.

The PLS_PLOTSIZE job parameter specifies the output format of the job. The output format is DIN A4 portrait:  example

- $PLS_PLOTSIZE == 0.000000 0.000000 0.209900 0.297040

Header of a Single Job (Header)

sign

A header is specified by the following job parameter:

```
$PLS_HEADER_TYPE == PLOT
```

mandatory parameter

The header of a single job has the following mandatory parameters:

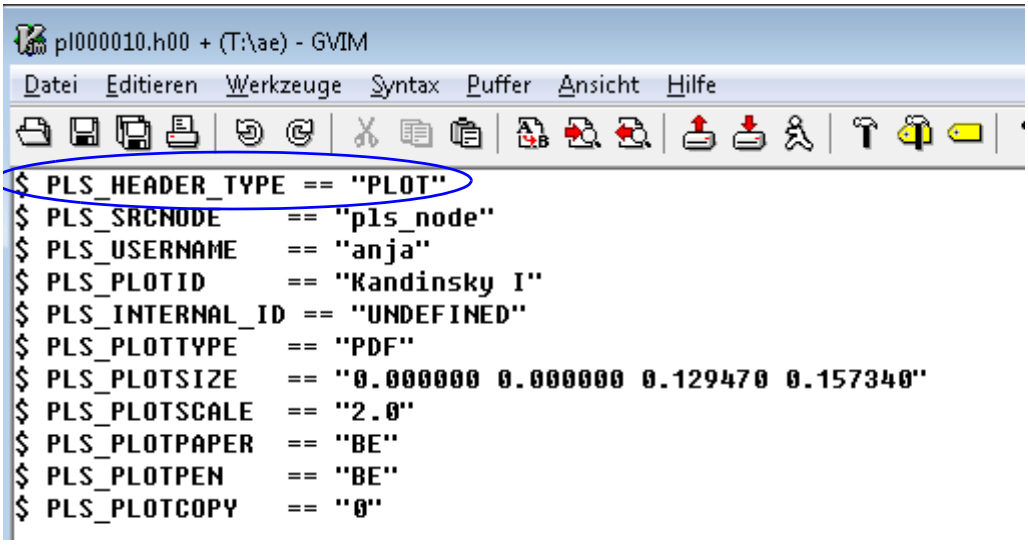
Job Parameter	Description
PLS_HEADER_TYPE	job type
PLS_PLOTTYPE	output type
PLS_SRCNODE	source server
PLS_USERNAME	user name
PLS_PLOTTER	output device
PLS_PLOTID	ID of the single job
PLS_PLOTSIZE	output format

hint - PLS_PLOTSIZE

The output format, PLS_PLOTSIZE, is determined by the format converter during the preprocessing and is written into the header.

example

extract of a job header:



related topics

→ *Job Parameters - Reference*, page 41

Header of a Set Collation (Set Header)

The set header is specified by the following job parameter:

sign

```
$PLS_HEADER_TYPE == SET_COLLATION
```

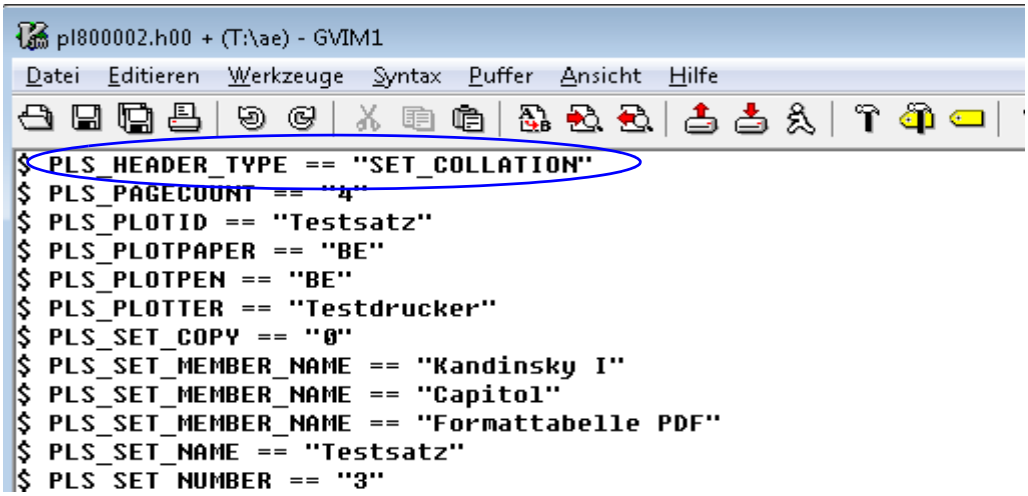
A set header has the following mandatory parameters:

mandatory parameter

Set Header Parameters	Description
PLS_HEADER_TYPE	header type
PLS_SRCNODE	source server
PLS_USERNAME	user name
PLS_PLOTTER	output device
PLS_SET_NAME	name of the set collation
PLS_SET_NUMBER	number of set members
PLS_SET_MEMBER_NAME	names of the set members

extract of a set header:

example



→ *Job Parameters - Reference*, page 41

related topics

Header of a Set Member (Header (Set Member))

set member

A header (set member) is specified by the following job parameter:

`$PLS_HEADER_TYPE == PLOT`

`$PLS_SET_NAME == Name_SetCollation`

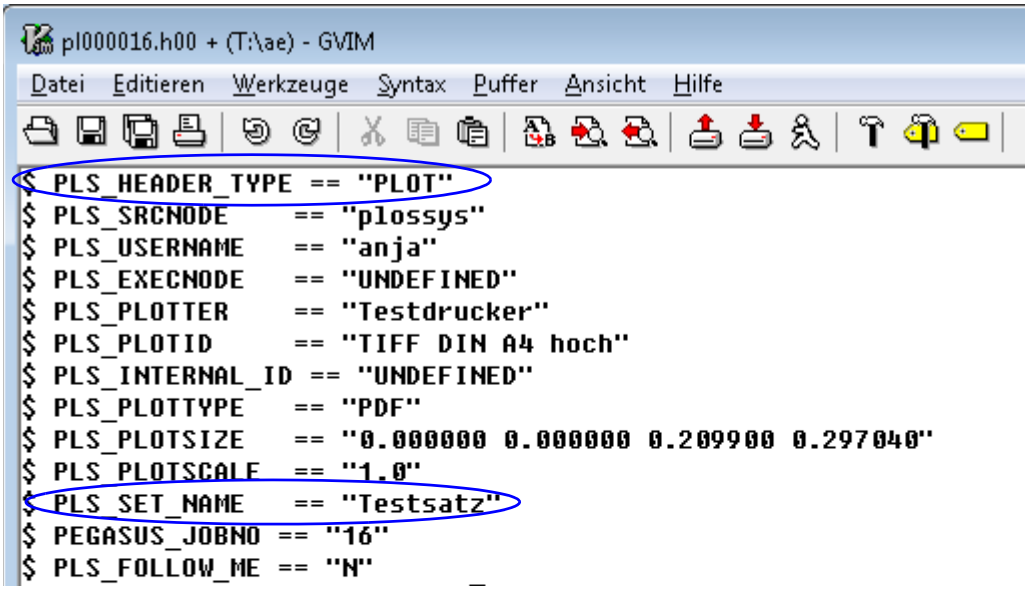
mandatory parameter

A set member has the following mandatory parameters:

Job Parameter	Description
PLS_PLOTTYPE	output type
PLS_SRCNODE	source server
PLS_USERNAME	user name
PLS_PLOTTER	output device
PLS_PLOTID	ID of the set member
PLS_PLOTSIZE	output format
PLS_SET_NAME	name of the set collation

example

extract of a set member header:



related topics

→ *Job Parameters - Reference*, page 41

Default Header

PLOSSYS 4 provides the possibility to specify job parameters as default job parameters for a graphic format.

default job parameter

You have the following possibilities:

- specify the job parameter in the default header of the client
- specify the job parameter for a graphic format within the conversion service
  → [NETDOME_SETTINGS_TEC]
- specify the job parameter for a graphic format in the correspondent format converter or gate
  `server\plotserv\gates\`*`gatename`*`\default.hed`

   **Caution** - restricted support:
  As of PLOSSYS 4 version 4.4.0, the gate method is replaced by the conversion service.

Rules for Setting Job Parameters

PLOSSYS 4 sets job parameters according to the following rules:

- Headers created by the client application or the CAD system and sent to PLOSSYS 4 together with the graphic file overwrite the settings in the default headers.
- PLOSSYS 4 also evaluates values sent via PostScript comments or via the IPP collection `seal-attributes`, → *Processing of the Job Parameters*, page 22.
- Transmitted headers are complimented with job parameters of the default header.
- Job parameters which are complemented, are appended at the end of the header.
- If a job parameter is set more than once, the value set last is valid.
- Internal PLOSSYS 4 processes modify and compliment the header (→ *PLS_PLOTSIZE (P4)*, page 134).

3 Processing in PLOSSYS Output Engine

This chapter deals with the following topics: in this chapter

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Processing of the Job Parameters

transfer

Job parameters can be passed to PLOSSYS Output Engine in the following ways:

- Comments in the transferred PostScript file
- IPP collection `seal-attributes`

PostScript comment

In a PostScript file created by SEAL MasterDriver, job parameters can be transferred to PLOSSYS Output Engine in the form of PostScript comments. `%` marks a comment in PostScript. The quotation marks around the value ("`<value>`") are being replaced by exclamation marks (`!<value>!`).

 example

```
%%PLSHED: $ PLS_DUPLEX == !LONG_SIDE!
```

IPP collection

When using IPP transfer, job parameters can be sent to PLOSSYS Output Engine within the IPP collection `seal-attributes`.

`send2pls`

The `send2pls` program by SEAL Systems can create the IPP collection `seal-attributes` when transferring jobs to PLOSSYS Output Engine via IPP. To do so, you can add the `-param` parameter when calling `send2pls` or send a header file with `send2pls`.

IPP or LPR parameters

PLOSSYS Output Engine can use some parameters of the transfer protocols (IPP or LPR) that are being used to send the job to PLOSSYS Output Engine, for example job and user names.

→ *Job Parameters - Reference*, page 41

Priority

The job parameters are evaluated in the following order:

- PostScript file (highest priority)
- IPP collection `seal-attributes`
- LPR attribute
- default IPP attribute

 reference

You find the mapping of some job parameters and their priority depending on their origin in the PLOSSYS Output Engine documentation, too:

→ https://plossys-output-engine.docs.sealsystems.de/reference/ipp_attribute_mapping.html

To be continued

Processing of the Job Parameters, Continuation

During the evaluation of the job parameters, PLOSSYS Output Engine will remove the PLS_ prefix if it exists. The name of job parameters without this prefix stays the same.

without PLS_ prefix

PLS_DUPLEX becomes DUPLEX.

 example

Database Object

output job

For PLOSSYS Output Engine, the job parameters will be added to the database object of the output job.

 example

For an example of a database object, refer to the PLOSSYS Output Engine documentation:

→ https://plossys-output-engine.docs.sealsystems.de/reference/db_object_examples/db_object_example_job.html

`job.orig`

`job.orig` contains the job parameters set at the time of the job input.

`job.current`

`job.current` contains the currently valid job parameters. These could have been changed by customer-specific processes.

 example

For example, `job.current.DUPLEX` contains the currently effective value of the `DUPLEX` job parameter. It can be changed, for example, in customer-specific processes during the preprocessing.

 hint - printer driver template

The structure of the job parameters in the printer driver templates is different from the structure of the database object. In the printer driver templates, all job parameters from the `job.current` database object are listed directly in `job`. There are also additional structures, like `job.page` and `job.low`, that cannot be used with PLOSSYS Output Engine.

4 Important Configurations

introduction

The following chapter deals with the most important configuration possibilities which can be performed by PLOSSYS 4 and PLOSSYS Output Engine job parameters.

According to the tasks, the headers relevant for the configuration are listed.

reference

For further information about the single job parameters, refer to the Reference.

in this chapter

This chapter deals with the following topics:

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Job in a Specific Output Format (P4, Output Engine)

purpose

PLOSSYS 4 and PLOSSYS Output Engine offer the possibility to control the format of a job via job parameters.

format specifications P4

PLOSSYS 4 distinguishes between the following possibilities to control the format of a job:

- Scaling
  - System-internal scaling types ((PLS_)SCALE_TYPE)
  - Configurable scaling rules ((PLS_)PLOT_SCALE)
- Rotation
- Splitting
- Line width

format specifications Output Engine

PLOSSYS Output Engine distinguishes between the following possibilities to control the format of a job:

- scaling
  - System-internal scaling types ((PLS_)SCALE_TYPE)
  - Configurable scaling rules ((PLS_)PLOT_SCALE)

relevant job parameters

In this context, the following job parameters are relevant:

→ *PLS_LINEWIDTH (P4)*, page 93 (line with for vectors)

→ *PLS_MIRROR (P4)*, page 114 (mirroring)

→ *PLS_PLOT_ROTATE (P4)*, page 125 (rotation)

→ *(PLS_)PLOTSCALE (P4, Output Engine)*, page 133 (scaling factor)

→ *PLS_PLOTSIZE (P4)*, page 134 (output format)

→ *PLS_ROTATE (P4)*, page 147 (rotation for HPGL files)

→ *(PLS_)SCALE_TYPE (P4, Output Engine)*, page 152 (scaling type)

→ *PLS_SPLITTYPE (P4)*, page 164 (splitting)

Job on a Specific Medium (P4, Output Engine)

purpose

PLOSSYS 4 and PLOSSYS Output Engine offers the possibility to control the output medium of a job via job parameters.

behavior in P4

Depending on how *PAPER_SELECT* is set on the output device, PLOSSYS 4 behaves differently:

- PAPERSIZE: (PLS_)PLOTPAPER will be ignored.

   hint - operation request
  The job hangs with an operation request in PLOSSYS 4 if no tray has been assigned to this paper size, unless ASK_PAPER is set to N with the queue.
- DRAWER: PLOSSYS 4 selects the first appropriate tray based on the tray settings (paper size and paper type). The tray number is transferred to the output device.
- MEDIA:The media type is transferred to the output device (→ *(PLS_)PLOT-PAPER (P4, Output Engine)*, page 130). On the output device, the media type has to be set directly for one of the trays (not in PLOSSYS 4), otherwise the output device will stop and request the appropriate media.

   hint - manufacturer-dependent
  Not all manufacturers support all of our standard media. If necessary, similar media types are used or, if nothing suitable is available, mapped to plain paper (Plain).
- PAPER_SELECT AUTO: Media can also be set in (PLS_)TRAY_*n*. If a tray number (INTRAY*x*) is set in (PLS_)TRAY_*n*, the tray number is passed to the output device. If a media type is set in (PLS_)TRAY_*n*, the media type is passed to the output device.

behavior in Output Engine

Media can be set in (PLS_)TRAY_*n*. If a tray number (INTRAY*x*) is set in (PLS_)TRAY_*n*, the tray number is passed to the output device. If a media type is set in (PLS_)TRAY_*n*, the media type is passed to the output device (as with PLOSSYS 4 with PAPER_SELECT AUTO). Additionally, PLOSSYS Output Engine supports (PLS_)PLOTPAPER.

relevant job parameters

In this context, the following job parameters are relevant:

→ *(PLS_)PLOTPAPER (P4, Output Engine)*, page 130 (output medium)

→ *(PLS_)TRAY_1 (_n) (P4, Output Engine)*, page 175 (output tray)

To be continued

Job on a Specific Medium (P4, Output Engine), Continuation

alternative output medium

The `FALLBACK_xx` keyword in `plossys.cfg` specifies an alternative output medium if the original output medium is not available.

Unless the alternative output medium is available, an operation request is displayed for this output device.

Job as a Set Collation (P4)

purpose

PLOSSYS 4 offers the possibility to collect output jobs to set collations and to output them as one package.

→ *Header of a Set Collation (Set Header)*, page 17

relevant job parameters

In this context, the following job parameters are relevant:

→ *PLS_SET_COPY (P4)*, page 157 (numbers of copies)

→ *PLS_SET_NAME (P4)*, page 159 (set name)

→ *PLS_SET_MEMBER_NAME (P4)*, page 158 (name of the set member)

→ *PLS_SET_NUMBER (P4)*, page 160 (number of single jobs)

Job with Additional Sheet (P4)

purpose

PLOSSYS 4 offers the possibility to control the creation of additional sheets for output jobs via job parameters.

additional sheets

PLOSSYS 4 distinguishes between the following types of additional sheets:

- Cover sheet
- Trailer sheet
- Error sheet
- Missing sheet (for redirected documents with a pool device)
- Missing sheet (for missing documents in a set collation)

 reference

For further information about the configuration of the layout of the additional sheets for example, refer to:

→ [PLOSSYS_4_ADDSH_TEC]

relevant job parameters

In this context, the following job parameters are relevant:

→ *PLS_CREATE_COVER (P4)*, page 60 (cover sheet)

→ *PLS_CREATE_TRAILER (P4)*, page 61 (trailer sheet)

→ *PLS_FORM_STYLE (P4)*, page 80 (layout)

→ *PLS_META_TYPE (P4)*, page 113 (document type)

Job with End Processing (P4, Output Engine)

purpose

PLOSSYS 4 offers the possibility to control the end processing of a job via job parameters.

end processing

PLOSSYS 4 distinguishes between the following possibilities of the end processing:

- Booklet output
- Fold
- Staple
- Punch
- Sort

relevant job parameters

In this context, the following job parameters are relevant:

→ *(PLS_)BOOKLET (P4, Output Engine)*, page 52 (booklet output)

→ *(PLS_)FOLD (P4, Output Engine)*, page 78 (folding)

→ *(PLS_)FOLD_TYPE (P4, Output Engine)*, page 79 (fold type)

→ *(PLS_)STAPLE (P4, Output Engine)*, page 169 (staple)

→ *(PLS_)STAPLE_TYPE (P4, Output Engine)*, page 170 (staple type)

→ *(PLS_)PUNCH (P4, Output Engine)*, page 142 (punching)

→ *(PLS_)PUNCH_TYPE (P4, Output Engine)*, page 143 (punch type)

→ *(PLS_)SORT (P4, Output Engine)*, page 161 (sorting)

→ *(PLS_)SORT_TYPE (P4, Output Engine)*, page 162 (sort type)

Job with Additional Information (P4)

purpose

PLOSSYS 4 offers the possibility to add additional information, for instance distribution information or stamps, via job parameters to a job.

additional information

PLOSSYS 4 distinguishes between the following additional information types:

- Cost center
- Location
- Telephone
- Sender
- Receiver
- Department ID
- Label
- Special field
- Messenger office
- Stamp
- Console type
- Company-specific (any) information

relevant job parameters

In this context, the following job parameters are relevant:

→ *PLS_ACCOUNT_KEY (P4)*, page 46 (cost center)

→ *PLS_AUX_ABSENDER (P4)*, page 47 (sender)

→ *PLS_AUX_ABTEILUNG (P4)*, page 48 (department)

→ *PLS_AUX_KOSTENSTELLE (P4)*, page 49 (cost center)

→ *PLS_AUX_STANDORT (P4)*, page 50 (location)

→ *PLS_AUX_TELEFON (P4)*, page 51 (telephone)

→ *PLS_CDBAN (P4)*, page 54 (initials or department)

→ *PLS_CDKUR (P4)*, page 55 (messenger office)

→ *PLS_COST_TYPE (P4)*, page 58 (console type)

→ *(PLS_)DATA_0 (_9) (P4, Output Engine)*, page 66 (company-specific information)

→ *PLS_DEPARTMENT (P4)*, page 69 (department)

→ *(PLS_)DUMMY_0 (_9) (P4, Output Engine)*, page 71 (company-specific information)

→ *PLS_RECEIVER (P4)*, page 144 (receiver)

→ *PLS_STAMP_0 (_n) (P4)*, page 167 (stamp)

Output as PDF/A (P4)

purpose

PLOSSYS 4 offers the possibility to create PDF or PDF/A files and to add metadata to these files.

restriction

The following restrictions apply to the PDF/A processing:

- Creating PDF/A is not possible when output a job via e-mail.

configuration options

PLOSSYS 4 offers the following possibilities to configure the output of PDF or PDF/A files:

- Specifying metadata
- Setting metadata
- Encoding (only with `MAIL` output type)
- Setting password

relevant job parameters

In this context, the following job parameters are relevant:

→ *PLS_USEMETA (P4)*, page 177 (setting metadata)

→ *PLS_META_n (P4)*, page 110 (metadata)

→ *PLS_CRYPT (P4)*, page 64 (encoding)

→ *PLS_CRYPT_OPTIONS (P4)*, page 65 (encoding options)

→ *PLS_PDF_PASSWD (P4)*, page 122 (user password)

→ *PLS_PDF_OWNER_PASSWD (P4)*, page 121 (owner password)

Job as E-Mail (P4)

purpose

PLOSSYS 4 offers the possibility to output a single job or a set collation as e-mail.

PLOSSYS 4 offers the following possibilities to configure the output of a job as an e-mail via job parameters:

configuration options

- Receiver
- Sender
- Subject
- Message field
- Text format
- Attachment
- Compressing
- Encoding
- Maximum size of the e-mail file

relevant job parameters, part 1

In this context, the following job parameters are relevant:

→ *PLS_CRYPT (P4)*, page 64 (encoding)

→ *PLS_CRYPT_OPTIONS (P4)*, page 65 (encoding options)

→ *PLS_MAIL (P4)*, page 94 (job as e-mail)

→ *PLS_MAIL_COMPRESS (P4)*, page 95 (compressing)

→ *PLS_MAIL_FILENAME (P4)*, page 96 (name of the attachment)

→ *PLS_MAIL_MESSAGE (P4)*, page 98 (message field)

→ *PLS_MAIL_TEXTFILE (P4)*, page 101 (text format)

→ *PLS_MAIL_MERGE_PDF_MEMBER (P4)*, page 97 (assembling set members)

To be continued

Job as E-Mail (P4), Continuation

relevant job parameters, part 2

→ *PLS_MAIL_SEND_ATTACHMENT (P4)*, page 100 (text or attachment)

→ *PLS_MAIL_USE_TEXTFILE (P4)*, page 103 (text file for message field)

→ *PLS_MAIL_USE_SET_HEADER (P4)*, page 102 (header priorities)

→ *PLS_MAIL_ZIP (P4)*, page 104 (compressing)

→ *PLS_MAIL_ZIP_FILENAME (P4)*, page 105 (name of the ZIP file)

→ *PLS_MAIL_ZIP_MEMBER (P4)*, page 106 (set member in ZIP file)

→ *PLS_MAXMAILSIZE (P4)*, page 108 (maximum size)

→ *PLS_RECEIVER (P4)*, page 144 (receiver)

→ *PLS_RECEIVER_CC (P4)*, page 146 (additional receiver)

→ *PLS_RECEIVER_BCC (P4)*, page 145 (additional receiver)

→ *PLS_SENDER (P4)*, page 156 (sender)

→ *PLS_SUBJECT (P4)*, page 173 (subject)

Job and Character Encoding/Unicode (P4, Output Engine)

purpose

PLOSSYS 4 offers the possibility to process a job in different character encodings.

PLOSSYS Output Engine processes UTF-8 only.

relevant job parameters

In this context, the following job parameters are relevant:

→ *SEAL_CODEPAGE (P4)*, page 182 (character encoding)

→ *SEAL_ORIGCODEPAGE (P4)*, page 183 (original encoding)

Job with Multi-Page Files (P4)

purpose

PLOSSYS 4 offers the possibility to configure the output of multi-page files via job parameters.

configuration options

PLOSSYS 4 offers the following configuration possibilities:

- Duplex printing
- Partial window for output
- Page specification
- Stamp

relevant job parameters

In this context, the following job parameters are relevant:

→ *(PLS_)DUPLEX (P4, Output Engine)*, page 72 (duplex printing)

→ *PLS_PAGES (P4)*, page 119 (page specification for output)

→ *PLS_ONLYFIRSTSTP (P4)*, page 116 (stamping)

→ *PLS_DIFBACKSTP (P4)*, page 70 (stamping)

→ *PLS_WINDOW_PAGENUMBER (P4)*, page 181 (cropped window)

relevant keywords

In this context, the following keywords in `plossys.cfg` are relevant:

reference

→ *DUPLEX_GENERATE*, [PLOSSYS_4_TEC]

Job with Password (P4)

purpose

PLOSSYS 4 provides the possibility to secure the output of single jobs using a password. In order to output the job, the user has to enter the password at the printer directly.

configuration

You set the password in the `PLS_SECUREPRINT` job parameter. Via the `PLS_ENABLE_SECUREPRINT` job parameter, you can also control if the password is to be used at all when a password has been set.

 hint - printer-dependent

The rules which apply for the password, for example, if only digits are allowed or the maximal length of the password, depend on the specific output device!

PLOSSYS OCON

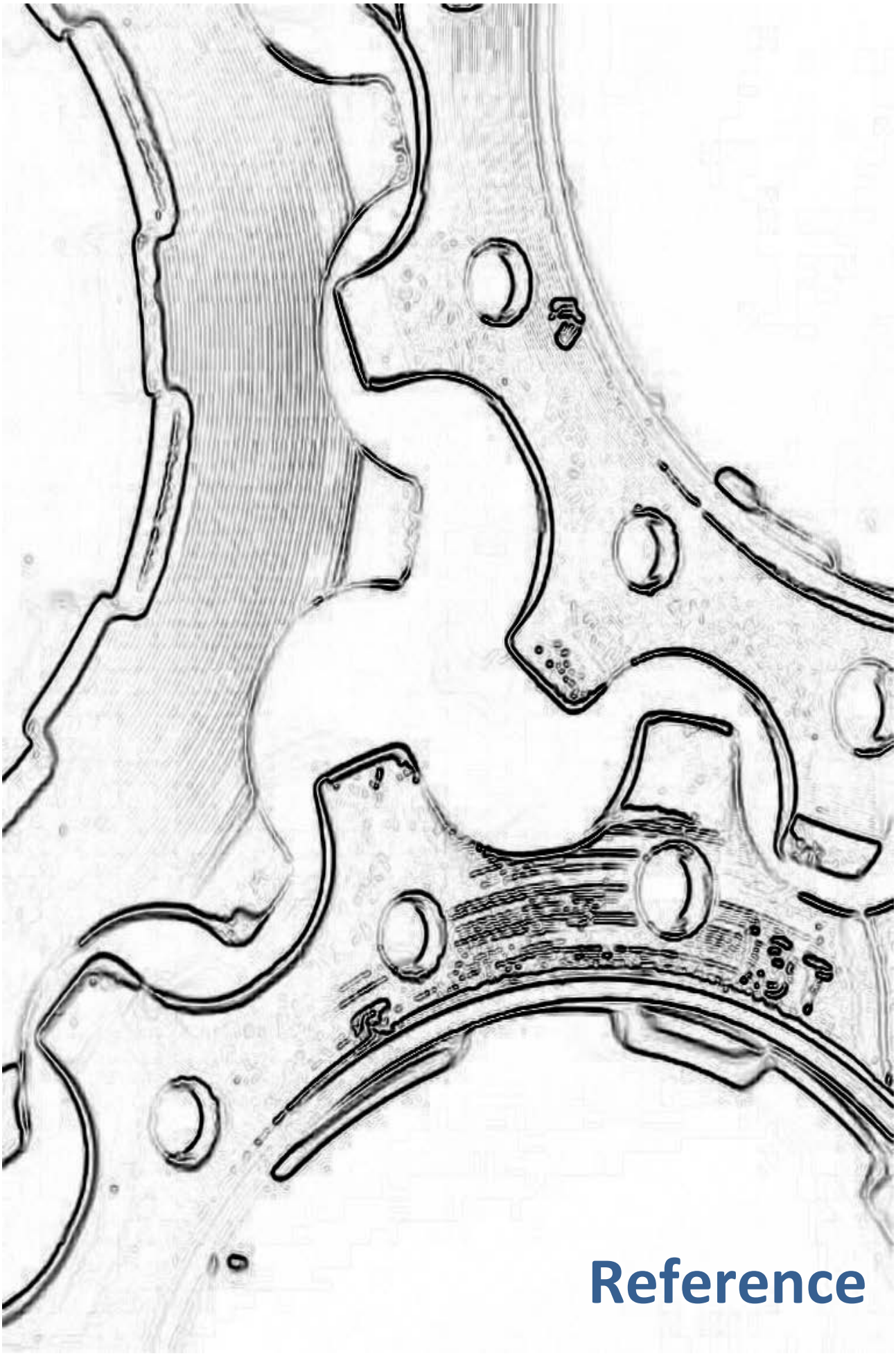
In PLOSSYS OCON, the `PLS_SECUREPRINT` job parameter is not displayed as clear text but with placeholder characters.

relevant job parameters

In this context, the following job parameters are relevant:

→ *(PLS_)ENABLE_SECUREPRINT (P4, Output Engine)*, page 74 (Evaluation of the password)

→ *(PLS_)SECUREPRINT (P4, Output Engine)*, page 155 (Password for the output)



Reference

5 Job Parameters - Reference

The title of each job parameter shows, if it is applicable for PLOSSYS 4 (P4) and/or PLOSSYS Output Engine (Output Engine).

PLOSSYS 4/ PLOSSYS Output Engine

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PLS_ACCOUNT_KEY (P4)

purpose

PLS_ACCOUNT_KEY specifies the cost center.

 hints

- PLS_ACCOUNT_KEY is used in the flagpage, the statistic file and as distribution information.
- The job parameters (PLS_)COSTCENTER, PLS_DEPARTMENT und PLS_AUX-_KOSTENSTELLE may contain the cost center also. PLS_ACCOUNT_KEY has the highest and PLS_DEPARTMENT the lowest priority.
- (PLS_)COSTCENTER is used in the printer driver templates.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs and set collations.

values

The value is specified as a string with up to 64 characters.

default

There is no default.

 related parameters

→ *(PLS_)COSTCENTER (P4, Output Engine)*, page 59

→ *PLS_DEPARTMENT (P4)*, page 69

→ *PLS_AUX_KOSTENSTELLE (P4)*, page 49

PLS_AUX_ABSENDER (P4)

PLS_AUX_ABSENDER specifies the sender.	purpose
PLS_AUX_ABSENDER is used in the flagpage, the statistic file and as distribution information.	hint
The job parameter is optional.	type
The job parameter is valid for single jobs and set collations.	job type
The value is specified as a string with up to 256 characters.	values
There is no default.	default

PLS_AUX_ABTEILUNG (P4)

purpose — `PLS_AUX_ABTEILUNG` specifies the department.

 hint — `PLS_AUX_ABTEILUNG` is used in the flagpage, the statistic file and as distribution information.

type — The job parameter is optional.

job type — The job parameter is valid for single jobs and set collations.

values — The value is specified as a string with up to 256 characters.

default — There is no default.

PLS_AUX_KOSTENSTELLE (P4)

PLS_AUX_KOSTENSTELLE specifies the cost center.

purpose

hints

- PLS_AUX_KOSTENSTELLE is used in the flagpage, the statistic file and as distribution information.
- The job parameters PLS_ACCOUNT_KEY, (PLS_)COSTCENTER and PLS_DEPARTMENT may also contain the cost center. PLS_ACCOUNT_KEY has the highest and PLS_DEPARTMENT the lowest priority.
- (PLS_)COSTCENTER is used for the cost center in the printer driver templates.

The job parameter is optional.

type

The job parameter is valid for single jobs and set collations.

job type

The value is specified as a string with up to 64 characters.

values

There is no default.

default

related parameters

→ *PLS_ACCOUNT_KEY (P4)*, page 46

→ *(PLS_)COSTCENTER (P4, Output Engine)*, page 59

→ *PLS_DEPARTMENT (P4)*, page 69

PLS_AUX_STANDORT (P4)

purpose — PLS_AUX_STANDORT specifies the location or the cost center.

 hint — PLS_AUX_STANDORT is used in the flagpage, the statistic file and as distribution information.

type — The job parameter is optional.

job type — The job parameter is valid for single jobs and set collations.

values — The value is specified as a string with up to 256 characters.

default — There is no default.

PLS_AUX_TELEFON (P4)

PLS_AUX_TELEFON specifies the telephone extension.	purpose
PLS_AUX_TELEFON is used in the flagpage, the statistic file and as distribution information.	 hint
The job parameter is optional.	type
The job parameter is valid for single jobs and set collations.	job type
The value is specified as a string with up to 256 characters.	values
There is no default.	default

(PLS_)BOOKLET (P4, Output Engine)

purpose

(PLS_)BOOKLET specifies if the document is output as a booklet.

 hints

- (PLS_)BOOKLET is only supported in PLOSSYS Output Engine if the sorting of the pages is done by the output device.
- If (PLS_)BOOKLET is set, commands for the folding and stapling are passed to the output device if possible. This is independent of if the sorting of the pages is done by the output device.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs and set collations.

values

The value is specified as a Boolean:

- Y
  The document is output as a booklet.
- N
  The document will be output in unchanged order.

default

Default is N.

 related parameters

→ *(PLS_)STAPLE (P4, Output Engine)*, page 169

→ *(PLS_)STAPLE_TYPE (P4, Output Engine)*, page 170

PLS_CALL_CONDITIONS (P4)

`PLS_CALL_CONDITIONS` specifies under which conditions an external program call is started.

purpose

- All job statuses supported by Infoserver can be used as a condition.
- The external program call is specified by the job parameter `PLS_SRCAPPL`.

hints

You find a list of all valid job status types in:

→ [INFOCLT_TEC]

reference

The job parameter is optional.

type

The job parameter is valid for single jobs and set collations.

job type

The value is specified as a string.

values

There is no default.

default

→ *PLS_SRCAPPL (P4)*, page 166

related parameters

PLS_CDBAN (P4)

purpose
PLS_CDBAN specifies the initials or the department.

 hint
PLS_CDBAN is used in the flagpage, the statistic file and as distribution information.

type
The job parameter is optional.

job type
The job parameter is valid for single jobs and set collations.

values
The value is specified as a string with up to 256 characters.

default
There is no default.

PLS_CDKUR (P4)

PLS_CDKUR specifies the messenger office.	purpose
PLS_CDKUR is used in the flagpage, the statistic file and as distribution information.	hint
The job parameter is optional.	type
The job parameter is valid for single jobs and set collations.	job type
The value is specified as a string with up to 256 characters.	values
There is no default.	default

(PLS_)COLLATE (P4, Output Engine)

purpose

(PLS_)COLLATE specifies the type of sorting with copies.

 hint

PLOSSYS Output Engine will ignore (PLS_)COLLATE if the seal-copier service is used to create copies. In this case, the complete order will be executed multiple times (equals (PLS_)COLLATE set to Y).

type

The job parameter is optional.

job type

The job parameter is valid for single jobs and set members.

values

The value is specified as a Boolean:

- Y
  The sorting with four copies and two sheets will be 1,2,1,2,1,2,1,2.
- N
  The sorting with four copies and two sheets will be 1,1,1,1,2,2,2,2.

default

Default is Y.

PLS_CONVERTER_CFG (P4)

`PLS_CONVERTER_CFG` specifies the configuration file of the otf2pdf converter. purpose

 hints

- The directory where the configuration file is located can be specified in PLOSSYS netdome Settings.
- The configuration file has to be located in the same directory as the default configuration file, `default.cfg`.
- Unless `PLS_CONVERTER_CFG` has been set, the default configuration file, `default.cfg`, is used.

→ [NETDOME_SETTINGS_TEC]  reference

The job parameter is optional. type

The job parameter is valid for single jobs and set members. job type

The value is specified as a string with up to 256 characters. The file name has to be specified without directory. values

Default is `server\plotserv\gates\sap2pdf\default.cfg`. default

PLS_COST_TYPE (P4)

purpose

PLS_COST_TYPE specifies the PLOSSYS 4 console type from which the job is sent.

 hint

PLS_COST_TYPE is set when repeating a job.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs and set collations.

values

You can specify the following values:

Value	Description
OPER	The job is sent via a local operating console or an operator console.
USER	The job is sent via any user console.

default

Default is USER.

(PLS_)COSTCENTER (P4, Output Engine)

(PLS_)COSTCENTER specifies the cost center. — purpose

 hints

- (PLS_)COSTCENTER is used in the printer driver templates.
- In PLOSSYS 4, the job parameters PLS_ACCOUNT_KEY, PLS_AUX_KOSTENSTELLE and PLS_DEPARTMENT may contain the cost center too. PLS_ACCOUNT_KEY has the highest and PLS_DEPARTMENT the lowest priority.

The job parameter is optional. — type

The job parameter is valid for single jobs. — job type

The value is specified as a string with up to 64 characters. — values

There is no default. — default

 related parameters

→ *PLS_ACCOUNT_KEY (P4)*, page 46
→ *PLS_AUX_KOSTENSTELLE (P4)*, page 49
→ *PLS_DEPARTMENT (P4)*, page 69

PLS_CREATE_COVER (P4)

purpose

PLS_CREATE_COVER specifies if a cover sheet will be created.

 hint

PLS_CREATE_COVER overwrites the settings in PLOSSYS netdome Settings.

 reference

→ [NETDOME_SETTINGS_TEC]

type

The job parameter is optional.

job type

The job parameter is valid for set collations.

values

The value is specified as a Boolean:

- Y
  A cover sheet is created.
- N
  A cover sheet is not created.

default

Default is Y.

 related parameters

→ *PLS_CREATE_TRAILER (P4)*, page 61

PLS_CREATE_TRAILER (P4)

`PLS_CREATE_TRAILER` specifies if a cover sheet will be created. purpose

`PLS_CREATE_TRAILER` overwrites the settings in PLOSSYS netdome Settings. hint

→ [NETDOME_SETTINGS_TEC] reference

The job parameter is optional. type

The job parameter is valid for set collations. job type

The value is specified as a Boolean: values

- `Y`
  A trailer sheet is created.
- `N`
  A trailer sheet is not created.

Default is `Y`. default

→ *(PLS_)DATA_0 (_9) (P4, Output Engine)*, page 66 parameter

PLS_CROP (P4)

purpose

PLS_CROP specifies the cropped window which is considered at the output of the job. In contrast to the specification in meters with PLS_WINDOW, percent numbers are specified with PLS_CROP.

 hints

- Based on the values of PLS_PLOTSIZE and PLS_CROP, the values in PLS_WINDOW are calculated.
- After the calculation, the PLS_CROP job parameter will be deleted.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

The values are specified as four percent numbers (float values). The values are separated by blanks.

- *margin_top margin_left width heigth*

default

There is no default. If the job parameter is missing, PLS_WINDOWS is not calculated.

 related parameters

→ *PLS_WINDOW (P4)*, page 180

→ *PLS_PLOTSIZE (P4)*, page 134

PLS_CROP_MARKS (P4)

`PLS_CROP_MARKS` specifies if crop marks are set. — purpose

`PLS_CROP_MARKS` is only evaluated if `CROP_MARKS_GENERATE` has been set to `Y` in `plossys.cfg`. — hint

The job parameter is optional. — type

The job parameter is valid for single jobs and set collations. — job type

The value is specified as a Boolean: — values

- `Y`
  Crop marks are generated.
- `N`
  Crop marks are not generated.

Default is `N`. — default

PLS_CRYPT (P4)

purpose

`PLS_CRYPT` specifies if the spool file is encoded by the `pdfauthorize` program.

 hints

- `PLS_CRYPT` is only evaluated if the output type is set to `MAIL`.
- The options for the encoding of the file are set via the `PLS_CRYPT_OPTIONS` keyword.
- If `$PLS_CRYPT=Y` is set in a set header, all set members are encoded.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs and set collations.

values

The value is specified as a Boolean:

- `Y`
  The PDF file is encoded by the `pdfauthorize` program.
- `N`
  The PDF file is not encoded by the `pdfauthorize` program.

default

Default is `N`.

 related parameters

→ *PLS_CRYPT_OPTIONS (P4)*, page 65

PLS_CRYPT_OPTIONS (P4)

PLS_CRYPT_OPTIONS specifies the options which are passed to the pdfauthorize program. → [PDFTOOLS_TEC]	purpose
PLS_CRYPT_OPTIONS is only evaluated if the output type is set to MAIL.	hint
The job parameter is mandatory if $PLS_CRYPT is set to Y.	type
The job parameter is valid for single jobs and set collations.	job type
All options of the pdfauthorize program are valid.	values
The defaults of the pdfauthorize program apply.	default
→ *PLS_CRYPT (P4)*, page 64	related parameters

(PLS_)DATA_0 (_9) (P4, Output Engine)

purpose
(PLS_)DATA_0 to (PLS_)DATA_9 are used for any information. The usage depends on the customer-specific processes and templates.

type
The job parameter is optional.

job type
The job parameter is valid for single jobs.

values
The value is specified as a string with up to 59 characters.

default
There is no default.

related parameters
→ *(PLS_)DUMMY_0 (_9) (P4, Output Engine)*, page 71
→ *(PLS_)INFO_0 (_9) (P4, Output Engine)*, page 87

PLS_DEBUG (P4)

PLS_DEBUG specifies which log messages are written. — purpose

 hint

PLS_DEBUG is evaluated by GEKKO in the output driver.

The job parameter is optional. — type

The job parameter is valid for single jobs and set collations. — job type

The value is specified as a Boolean: — values

- Y
  All log messages specified in the [Job\Start\InsertLog] section of server\plotserv\plotter*printer*.pcfg are written to the *printer*.log log file.
- N
  No log messages are written to the *printer*.log log file.

Default is N. — default

PLS_DELTYPE (P4)

purpose

`PLS_DELTYPE` specifies the deletion time of the jobs.

hints

- The time interval after which the job will be deleted, is set in the `[TIME_DEF]` section of `del24h.dat` to 1 hour as default.
- Within this period of time, the job can be output again.
- If the job is repeated or changed, the period of time is recalculated.
- The `[NO_DELETE]` section specifies several days or periods of time in which no jobs are deleted.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs and set collations.

values

You can specify the following values:

Value	Description
`AFTOUT`	The job is immediately deleted after output.
`NODEL`	The job can only explicitly be deleted via PLOSSYS OCON.
`AFT24H`	The job is deleted after a specified time interval. The time interval is specified in `server\plotserv\del24h.dat`.

default

Default is `AFT24H`.

PLS_DEPARTMENT (P4)

PLS_DEPARTMENT specifies the department or cost center. — purpose

 hints

- PLS_DEPARTMENT is used in PLOSSYS 4 in the flagpage, the statistic file and as distribution information.
- The PLS_ACCOUNT_KEY and PLS_AUX_KOSTENSTELLE job parameters may contain the cost center, too. PLS_ACCOUNT_KEY has the highest and PLS_DEPARTMENT the lowest priority.
- (PLS_)COSTCENTER is used in the printer driver templates.

The job parameter is optional. — type

The job parameter is valid for single jobs. — job type

The value is specified as a string with up to 64 characters. — values

There is no default. — default

 related parameters

→ *PLS_ACCOUNT_KEY (P4)*, page 46

→ *PLS_AUX_KOSTENSTELLE (P4)*, page 49

→ *(PLS_)COSTCENTER (P4, Output Engine)*, page 59

PLS_DIFBACKSTP (P4)

purpose

`PLS_DIFBACKSTP` specifies the stamp layout file for stamping the back sides in multi-page files.

hints

- If `$PLS_DIFBACKSTP==Y` is set, the *xxx*`.pts` stamp layout file is used for stamping the back sides of a multi-page file.
- Thereby, *xxx* is the name of the stamp layout file which is used for stamping the front side of a multi-page file.
- The structure and the syntax of the stamp layout file for the back sides are the same as for the front sides and the single page files.
- The file extension of the stamp layout files for the front or single page files is `.stp`, the file extension for the back sides is `.pts`.
- `PLS_DIFBACKSTP` is evaluated for multi-page files only.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

The value is specified as a Boolean:

- `Y`
  Different stamp layout files are used for the front side and back side of multi-page files.
- `N`
  The same stamp layout file is used for the front side and back side of multi-pages files.

default

Default is `N`.

related parameters

→ *(PLS_)DUPLEX (P4, Output Engine)*, page 72

→ *PLS_ONLYFIRSTSTP (P4)*, page 116

→ *PLS_PAGES (P4)*, page 119

→ *PLS_WINDOW_PAGENUMBER (P4)*, page 181

(PLS_)DUMMY_0 (_9) (P4, Output Engine)

(PLS_)DUMMY_0 to (PLS_)DUMMY_9 specifies company-specific items. The usage depends on the customer-specific processes and templates.	purpose
The job parameter is optional.	type
The job parameter is valid for single jobs.	job type
The value is specified as a string with up to 59 characters.	values
There is no default.	default
→ *(PLS_)DATA_0 (_9) (P4, Output Engine)*, page 66 → *(PLS_)INFO_0 (_9) (P4, Output Engine)*, page 87	related parameters

(PLS_)DUPLEX (P4, Output Engine)

purpose

(PLS_)DUPLEX specifies the duplex printing for multi-page files.

 hint

(PLS_)DUPLEX is evaluated for multi-page files only.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values P4

In PLOSSYS 4, you can specify the following values:

Value	Description
LEFT_JOB_SIDE	The job is output in duplex printing with the left side as binding edge. With portrait pages, LEFT_JOB_SIDE behaves as LONG_SIDE, with landscape pages as SHORT_SIDE.
LEFT_SIDE	The job is output in duplex printing with the left side as binding edge. Here, left corresponds to the virtual paper. If VECTOR_SIZE of the used paper is configured as portrait (e. g. DINA4_P), LEFT_SIDE behaves as LONG_SIDE, with landscape (e. g. DINA4_L), LEFT_SIDE behaves as SHORT_SIDE.
LONG_SIDE	The job is output in duplex printing with the long side as binding edge.
NONE	The job is output in simplex printing.
SHORT_SIDE	The job is output in duplex printing with the short side as binding edge.
TOP_JOB_SIDE	The job is output in duplex printing with the top side as binding edge. With portrait pages, TOP_JOB_SIDE behaves as SHORT_SIDE, with landscape pages as LONG_SIDE.
TOP_SIDE	The job is output in duplex printing with the top side as binding edge. Here, top corresponds to the virtual paper. If VECTOR_SIZE of the used paper is configured as portrait (e. g. DINA4_P), TOP_SIDE behaves as SHORT_SIDE. With landscape formats (e. g. DINA4_L), TOP_SIDE behaves as LONG_SIDE.

To be continued

(PLS_)DUPLEX (P4, Output Engine), Continuation

In PLOSSYS Output Engine, you can specify the following values:

values Output Engine

Value	Description
LONG_SIDE	The job is output in duplex printing with the long side as binding edge.
NONE	The job is output in simplex printing.
SHORT_SIDE	The job is output in duplex printing with the short side as binding edge.

Default is NONE.

default

related parameters

→ *PLS_DIFBACKSTP (P4)*, page 70

→ *PLS_ONLYFIRSTSTP (P4)*, page 116

→ *PLS_PAGES (P4)*, page 119

→ *PLS_WINDOW_PAGENUMBER (P4)*, page 181

(PLS_)ENABLE_SECUREPRINT (P4, Output Engine)

purpose

(PLS_)ENABLE_SECUREPRINT specifies if (PLS_)SECUREPRINT is taken into account.

 hint

The evaluation of (PLS_)ENABLE_SECUREPRINT and (PLS_)SECUREPRINT depend on the support by the output device and the driver template. For small format templates, this support is usually given, except for the generic templates for example.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

The value is specified as a Boolean:

- Y
  (PLS_)SECUREPRINT is taken into account, that means when a password has been specified with (PLS_)SECUREPRINT, the user has to specify this at the output device in order to output the job.
- N
  (PLS_)SECUREPRINT is not taken into account, that means when a password has been specified with (PLS_)SECUREPRINT, the user does not have to specify this at the output device in order to output the job.

default

By default, the job parameter is not set. This corresponds to the value Y.

 related parameters

→ *(PLS_)SECUREPRINT (P4, Output Engine)*, page 155

PLS_EXECNODE (P4)

PLS_EXECNODE specifies the server name where PLOSSYS 4 runs.	purpose
PLS_EXECNODE is evaluated by the conversion service and added to the header.	 hint
The job parameter is mandatory.	type
The job parameter is valid for single jobs and set collations.	job type
The value is specified as a string with up to 64 characters.	values
Default is the value of the NODE_NAME keyword in plossys.cfg.	default

PLS_FIXLW (P4)

purpose

`PLS_FIXLW` specifies the line width at scaling.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

The value is specified as a Boolean:

- `Y`
  Line widths are not scaled together with the job.
- `N`
  Line widths are scaled together with the job.

default

Default is `N`.

PLS_FLAGPAGE (P4)

purpose

`PLS_FLAGPAGE` specifies the format of the flagpage which is printed on the the document of the job.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

The value is specified as a Boolean:

- `Y`
  The flagpage is output on the document.
- `N`
  No flagpage is output on the document.

default

Default is `N`.

relevant key-words

In this context, the following keywords in `plossys.cfg` are relevant:

reference

→ *FP_GENERATE*, [PLOSSYS_4_TEC]

→ *FLAGPAGE_FORMAT*, [PLOSSYS_4_TEC]

(PLS_)FOLD (P4, Output Engine)

purpose

(PLS_)FOLD specifies if the documents of a job are folded.

hints

- The output device has to be connected to a controllable folding device.
- (PLS_)FOLD is only evaluated if a folding device is connected.

background knowledge

The job parameter is evaluated by the output script of the output device.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

The value is specified as a Boolean:

- Y
  The job is folded according to the specified folding rule. The fold type is specified with the (PLS_)FOLD_TYPE job parameter.
- N
  The documents of a job are not folded after output.

default

Default is N.

related parameters

→ *(PLS_)FOLD_TYPE (P4, Output Engine)*, page 79

(PLS_)FOLD_TYPE (P4, Output Engine)

(PLS_)FOLD_TYPE specifies the fold type.

purpose

hints

- The output device has to be connected to a controllable folding device and has to support the specified fold type.
- (PLS_)FOLD_TYPE is ignored if no folding device is connected.
- With large formats, (PLS_)FOLD_TYPE is only evaluated if (PLS_)FOLD is set to Y.
- With small formats, it is always folded if (PLS_)FOLD_TYPE is set except (PLS_)FOLD is set to N.

The job parameter is optional.

type

The job parameter is valid for single jobs.

job type

In PLOSSYS 4, you can specify the following values for large formats:

values for large format

Value	Description
DINA_Heftrand	Package folding 210 mm x 297 mm (DIN A4) with binding margin of 20 mm
DINA_Heftstr	Package folding with attached filing strip; the exact folding size depends on the the folding device
Paket210	Package folding 210 mm x 297 mm without binding margin

In PLOSSYS 4 and PLOSSYS Output Engine, you can specify the following values for small formats:

values for small format

Value	Description
CenterFold	Z folding
ZFold	Center folding

There is no default.

default

→ *(PLS_)FOLD (P4, Output Engine)*, page 78

related parameters

PLS_FORM_STYLE (P4)

purpose

`PLS_FORM_STYLE` specifies the XSLT style sheets which are used during the creation of the additional sheets for a job.

 hint

By default, the language of the additional sheets corresponds to the language of the PLOSSYS 4 server.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs and set collations.

values

The value is interpreted as the name of a subdirectory of `conf\common\forms`. The following files have to be available in the subdirectory:

- `cover.xsl`
- `error.xsl`
- `missing.xsl`
- `trailer.xsl`

Unless the subdirectory is found, the default is used.

default

Default is `default_${ENV.PLS_LANG}`.

 example

The `PLS_LANG` environment variable is set to `de`. The additional sheets in German are used:

```
PLS_FORM_STYLE = default_de
```

 related parameters

→ *PLS_CREATE_COVER (P4)*, page 60

→ *PLS_CREATE_TRAILER (P4)*, page 61

PLS_GATE_OUTPUT (P4)

PLS_GATE_OUTPUT specifies in which directory the job is transferred for further processing.	purpose
PLS_GATE_OUTPUT is evaluated in the gates.	 hint
The job parameter is optional.	type
The job parameter is valid for single jobs.	job type
The value is specified as a string.	values
By default, the job is moved to the main gate.	default

PLS_GKS_COLTAB (P4)

purpose

`PLS_GKS_COLTAB` specifies the file name of the GKS color table.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

The value is specified as a string with up to 14 characters.

 hint

A job-specific color table is used, if the `$PLS_GKS_COLTAB` job parameter is set to `*`. The job-specific color table has the name of the job and the `.clt` file extension. It is stored with the header, the graphic file and the trigger file in the gate directory. The file containing the color table has to be transferred to the input directory before the trigger file.

default

By default, the color table of the GKS driver is used.

 examples

The color table of the GKS driver is used:

```
$PLS_GKS_COLTAB == ""
```

A job-specific color table is used:

```
$PLS_GKS_COLTAB == "*"
```

(PLS_)GRAY (P4, Output Engine)

((PLS_)GRAY specifies if the document is output in gray scales.

purpose

In PLOSSYS 4, (PLS_)GRAY has to be set due to the manager cannot handle unknown values in (PLS_)PLOTPEN.

 hint

The job parameter is optional.

type

The job parameter is valid for single jobs and set collations.

job type

The value is specified as a Boolean:

values

- Y
  The document is output in gray scales.
- N
  The document is output unchanged.

Default is N.

default

→ *(PLS_)PLOTPEN (P4, Output Engine)*, page 132

 related parameters

PLS_GS_TIMEOUT (P4)

purpose

`PLS_GS_TIMEOUT` specifies the conversion of a PDF page by Ghostscript is allowed to take as a maximum. If the time interval is exceeded, the conversion is aborted.


hint

`PLS_GS_TIMEOUT` overwrites the settings of the `GS_DEFAULT_TIMEOUT` keyword in `plossys.cfg`.

type

The job parameter is mandatory.

job type

The job parameter is valid for single jobs and set collations.

values

The value is specified as an integer in seconds.

default

Default is `600`.

PLS_HEADER_TYPE (P4)

PLS_HEADER_TYPE specifies the job type. — purpose

The job parameter is mandatory. — type

The job parameter is valid for single jobs and set collations. — job type

You can specify the following values: — values

Value	Description
PLOT	The job is a single job.
SET_COLLATION	The job is a set collation.

Default is PLOT. — default

PLS_HOLD (P4)

purpose

PLS_HOLD specifies if the job remains in the maingate until the further processing is released by PLOSSYS OCON explicitly.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs and set collations.

values

The value is specified as a Boolean:

- Y
  The job remains in the maingate. The job for has to be released explicitly in PLOSSYS OCON for further processing.
- N
  According to the header settings, the job is further processed.

default

Default is N.

(PLS_)INFO_0 (_9) (P4, Output Engine)

purpose

(PLS_)INFO_0 to (PLS_)INFO_9 specifies additional flagpage or label lines. The usage depends on the customer-specific processes and templates.

hints

- In PLOSSYS 4, two successive items are combined to a flagpage or labeling and are output in the border of the document.
- Upper and lower cases are not changed.
- Right-aligned spaces are not output.
- As soon as a text is assigned to the job parameter, the text is output in PLOSSYS 4 independent of the settings of the PLS_FLAPAGE job parameter.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

The value is specified as a string with up to 59 characters.

default

There is no default.

related parameters

→ *(PLS_)DATA_0 (_9) (P4, Output Engine)*, page 66

→ *(PLS_)DUMMY_0 (_9) (P4, Output Engine)*, page 71

relevant keywords

In this context, the following keywords in plossys.cfg are relevant in PLOSSYS 4:

reference

→ *FP_GENERATE*, [PLOSSYS_4_TEC]

→ *FLAGPAGE_FORMAT*, [PLOSSYS_4_TEC]

PLS_INTERNAL_ID (P4)

purpose

`PLS_INTERNAL_ID` specifies the internal job ID for a set collation.

hints

- `PLS_INTERNAL_ID` is evaluated by the conversion service and added to the header.
- The internal job ID serves for the job tracking and is unique.

type

The job parameter is mandatory.

job type

The job parameter is valid for single jobs and set collations.

values

The value is specified as a string with up to 80 characters.

default

There is no default.

PLS_IPP_IGNORE_QUEUE (P4)

purpose

`PLS_IPP_IGNORE_QUEUE` specifies if the IPP server does not accept a job if an output device queue which does not exist in PLOSSYS 4 has been specified in its header.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

The value is specified as a Boolean:

- `Y`
  The job will be accepted and get the `ERROR` status.
- `N`
  The job will not be accepted by the IPP server.

default

Default is `N`.

PLS_JOB_STAT (P4)

purpose

PLS_PLOT_STAT specifies the conversion status of a job.

 hint

PLS_JOB_STAT is generated by the format converter.

type

The job parameter is mandatory.

job type

The job parameter is valid for single jobs.

values

You can specify the following values:

Value	Description
OK	The job has been converted successfully.
PLS_HED_ERROR	The header of the job is not correct.
PLS_MET_ERROR	The metafile of the job is not correct.
PPR_HED_ERROR	The header of the preprocessor is not correct.
PPR_MET_ERROR	The metafile of the preprocessor is not correct.

default

Default is OK.

 related parameters

→ *PLS_JOB_STAT_MSG (P4)*, page 91

PLS_JOB_STAT_MSG (P4)

PLS_JOB_STAT_MSG specifies the text of the conversion result.	purpose
PLS_JOB_STAT_MSG is generated by the format converter.	 hint
The job parameter is mandatory.	type
The job parameter is valid for single jobs.	job type
The value is specified as a string with up to 79 characters.	values
There is no default.	default
→ *PLS_JOB_STAT (P4)*, page 90	 related parameters

(PLS_)JOBNAME (Output Engine)

purpose

(PLS_)JOBNAME specifies the job name.

 hint

In PLOSSYS Output Engine, (PLS_)JOBNAME is passed to the jobName job parameter, refer to → *(PLS_)PLOTID (P4, Output Engine)*, page 128.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

The value is specified as a string with up to 79 characters.

default

There is no default.

 related parameters

→ *(PLS_)PLOTID (P4, Output Engine)*, page 128

PLS_LINEWIDTH (P4)

`PLS_LINEWITDH` specifies the nominal line width for vectors in meters. — purpose

 hints

- The value is multiplied by the line width specified in the GKS metafile by an escape function.
- The result is the text line width to be output.

The job parameter is optional. — type

The job parameter is valid for single jobs. — job type

The value is specified as a float with up to three digits before and six digits after the decimal point in meters. — values

Default is `0.001`. — default

PLS_MAIL (P4)

purpose

`PLS_MAIL` specifies if a job is sent as an e-mail.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

The value is specified as a Boolean:

- `Y`
  The job is sent as an e-mail.
- `N`
  The job is not sent as an e-mail.

default

Default is `N`.

related parameters

→ *PLS_MAIL_COMPRESS (P4)*, page 95
→ *PLS_MAIL_FILENAME (P4)*, page 96
→ *PLS_MAIL_MERGE_PDF_MEMBER (P4)*, page 97
→ *PLS_MAIL_MESSAGE (P4)*, page 98
→ *PLS_MAIL_MESSAGE_TEXT_TYPE (P4)*, page 99
→ *PLS_MAIL_SEND_ATTACHMENT (P4)*, page 100
→ *PLS_MAIL_TEXTFILE (P4)*, page 101
→ *PLS_MAIL_USE_SET_HEADER (P4)*, page 102
→ *PLS_MAIL_USE_TEXTFILE (P4)*, page 103
→ *PLS_MAIL_ZIP (P4)*, page 104
→ *PLS_MAIL_ZIP_FILENAME (P4)*, page 105
→ *PLS_MAIL_ZIP_MEMBER (P4)*, page 106

PLS_MAIL_COMPRESS (P4)

PLS_MAIL_COMPRESS specifies in which cases a spool file is compressed. purpose

PLS_MAIL_COMPRESS is only evaluated if the output type is set to MAIL.  hint

The job parameter is optional. type

The job parameter is valid for single jobs and set collations. job type

You can specify the following values: values

Value	Description
ALL	Each file is compressed.
NATIVE	Only files with (PLS_)PLOTTYPE=="NATIVE" are compressed.
NONE	No files are compressed.

Default is NONE. default

→ *PLS_MAIL (P4)*, page 94  related parameters

PLS_MAIL_FILENAME (P4)

purpose
`PLS_MAIL_FILENAME` specifies the name of the attachment.

 hint
`PLS_MAIL_FILENAMES` is only evaluated if the output type is set to `MAIL`.

type
The job parameter is optional.

job type
The job parameter is valid for single jobs and set collations.

values
The value is specified as a string.

default
There is no default.

 related parameters
→ *PLS_MAIL (P4)*, page 94

PLS_MAIL_MERGE_PDF_MEMBER (P4)

PLS_MAIL_MERGE_PDF_MEMBER specifies if the set members of a set collation are merged.

purpose

- PLS_MAIL_MERGE_PDF_MEMBER is only evaluated if the output type is set to MAIL.
- PLS_MAIL_MERGE_PDF_MEMBER is only evaluated for PDF files.

hints

The job parameter is optional.

type

The job parameter is valid for single jobs and set collations.

job type

The value is specified as a Boolean:

values

- Y
  All set members are combined to one PDF file.
- N
  All set members remain as single PDF files.

Default is N.

default

→ *PLS_MAIL (P4)*, page 94

related parameters

PLS_MAIL_MESSAGE (P4)

purpose — `PLS_MAIL_MESSAGE` specifies the item in the message filed of the e-mail.

 hint — `PLS_MAIL_MESSAGE` is only evaluated if the output type is set to `MAIL`.

type — The job parameter is optional.

job type — The job parameter is valid for single jobs and set collations.

values — The value is specified as a string.

default — Default is „`Your data from PLOSSYS 4.`“.

 related parameters — → *PLS_MAIL_MESSAGE_TEXT_TYPE (P4)*, page 99

 related parameters — → *PLS_MAIL (P4)*, page 94

PLS_MAIL_MESSAGE_TEXT_TYPE (P4)

purpose

`PLS_MAIL_MESSAGE_TEXT_TYPE` specifies the format in which the e-mail text is sent.

hint

`PLS_MAIL_MESSAGE_TEXT_TYPE` is only evaluated if the output type is set to `MAIL`.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs and set collations.

values

You can specify the following values:

Value	Description
`plain`	The e-mail text is sent as normal text.
`html`	The e-mail text is sent in HTML format.

default

Default is `plain`.

related parameters

→ *PLS_MAIL (P4)*, page 94

→ *PLS_MAIL_MESSAGE (P4)*, page 98

PLS_MAIL_SEND_ATTACHMENT (P4)

purpose

`PLS_MAIL_SEND_ATTACHMENT` specifies if the spool file is sent within the e-mail text or as attachment.

 hint

`PLS_MAIL_SEND_ATTACHMENT` is only evaluated if the output type is set to `MAIL`.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs and set collations.

values

The value is specified as a Boolean:

- `Y`
  The file is sent as an e-mail attachment.
- `N`
  The file is sent within the text of the e-mail.

default

Default is `Y`.

 related parameters

→ *PLS_MAIL (P4)*, page 94

PLS_MAIL_TEXTFILE (P4)

purpose

`PLS_MAIL_TEXTFILE` specifies the file which contains the text entered in the e-mail message field.

 hint

`PLS_MAIL_TEXTFILE` is only evaluated if

- the output type is set to `MAIL`.
- the `$PLS_MAIL_USE_TEXTFILE` job parameter is set to `Y`.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs and set collations.

values

The value is specified as a string.

The value can be specified in the following ways:

- Specification of the absolute path
  `$PLS_MAIL_TEXTFILE == "D:\project_x\data\mailbody.txt"`
- The file is passed as associated file with the job, `data\plotserv\associated\pl<jobnumber>.txt`. The file is only evaluated if a value for `PLS_MAIL_TEXTFILE` exists but the specified file does not exist.

default

There is no default.

 related parameters

→ *PLS_MAIL (P4)*, page 94

→ *PLS_MAIL_USE_TEXTFILE (P4)*, page 103

PLS_MAIL_USE_SET_HEADER (P4)

purpose

`PLS_MAIL_USE_SET_HEADER` specifies which job parameters are valid.

 hints

- `PLS_MAIL_USE_SET_HEADER` is only evaluated if the output type is set to `MAIL`.
- General settings, like `PLS_SENDER`, `PLS_RECEIVER`, `PLS_-SUBJECT`, `PLS_-MAIL_MESSAGE`, are centrally specified in the set header.

type

The job parameter is optional.

job type

The job parameter is valid for set collations.

values

The value is specified as a Boolean:

- `Y`
  All job parameters of the set header apply to each set member. Mandatory or general job parameters do not have to be specified in the header (set member).
- `N`
  All mandatory items relevant for sending the e-mail have to be specified in each set member.

default

Default is `Y`.

 related parameters

→ *PLS_MAIL (P4)*, page 94

PLS_MAIL_USE_TEXTFILE (P4)

purpose

`PLS_MAIL_USE_TEXTFILE` specifies if the text of an e-mail message field is read from a file.

hints

- The file containing the text is specified via the `PLS_MAIL_TEXTFILE` job parameter.
- Unless `PLS_MAIL_USE_TEXTFILE` is set, the value of the `PLS_MAIL_MESSAGE` job parameter is used for the e-mail message field.
- `PLS_MAIL_USE_TEXTFILE` is only evaluated if the output type is set to `MAIL`.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs and set collations.

values

The value is specified as a string.

default

There is no default.

related parameters

→ *PLS_MAIL (P4)*, page 94

→ *PLS_MAIL_TEXTFILE (P4)*, page 101

PLS_MAIL_ZIP (P4)

purpose

`PLS_MAIL_ZIP` specifies if the attachment is compressed.

 hints

- `PLS_MAIL_ZIP` is only evaluated if the output type is set to `MAIL`.
- The internal compressing program does not support a splitting of the file if the maximum file size is exceeded.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs and set collations.

values

The value is specified as a Boolean:

- `Y`
  The attachment is compressed.
- `N`
  The attachment is not compressed.

default

Default is `N`.

 related parameters

→ *PLS_MAIL (P4)*, page 94

→ *PLS_MAIL_COMPRESS (P4)*, page 95

PLS_MAIL_ZIP_FILENAME (P4)

`PLS_MAIL_ZIP_FILENAME` specifies the name of the ZIP file.

purpose

 hint

`PLS_MAIL_ZIP_FILENAME` is only evaluated if the output type is set to `MAIL` and the `$PLS_MAIL_ZIP` job parameter is set to `Y`.

The job parameter is optional.

type

The job parameter is valid for single jobs and set collations.

job type

The value is specified as a string.

values

There is no default.

default

 related parameters

→ *PLS_MAIL (P4)*, page 94

→ *PLS_MAIL_ZIP (P4)*, page 104

→ *PLS_MAIL_ZIP_MEMBER (P4)*, page 106

PLS_MAIL_ZIP_MEMBER (P4)

purpose

`PLS_MAIL_ZIP_MEMBER` specifies if the set member is included into the ZIP file.

 hint

`PLS_MAIL_ZIP_MEMBER` is only evaluated if the output type is set to `MAIL`.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

The value is specified as a Boolean:

- `Y`
  The set member is included into the ZIP file.
- `N`
  The set member is not included into the ZIP file.

default

Default is `N`.

 related parameters

→ *PLS_MAIL (P4)*, page 94

PLS_MARKER (P4)

PLS_MARKER specifies the nominal size of the mark.	purpose
The job parameter is optional.	type
The job parameter is valid for single jobs.	job type
The value is specified as a float with up to 14 characters in meters.	values
Default is `0.001`.	default

PLS_MAXMAILSIZE (P4)

purpose

`PLS_MAXMAILSIZE` specifies the maximum size of the e-mails to be sent.


hints

- `PLS_MAXMAILSIZE` is only evaluated if the output type is set to `MAIL`.
- For sending the e-mail, the files have to be encoded to Base64. The encoding increases the size of the file.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs and set collations.

values

The value is specified as an integer in KB.

default

Default is `5000000`.


example

The maximum size of the file to be sent is set to `5000000` KB:

```
$PLS_MAXMAILSIZE == "5000000"
```

The file has `450000` KB. For sending the e-mail, the file will be coded. The encoding increases the file to `5010000` KB. Thus, the file is not sent.

mediaSize (Output Engine)

`mediaSize` specifies the target format. purpose

The target format can be any format configured in the correspondent PPD file. hint

For more information about specifying the target format in PLOSSYS Output Engine, refer to the system description of PLOSSYS Output Engine: reference

→ https://plossys-output-engine.docs.sealsystems.de/

The job parameter is optional. type

The job parameter is valid for single jobs. job type

The following values can be specified: values

Value	Description
AUTO	The format fitting first or best is used. If `GXCFormatRule = 1` is specified in the PPD file, the format which fits best to the aspect ration of the document will be used.
<FORMAT>	The target format can be any format configured in the correspondent PPD file.

Default is AUTO. default

→ *scaleFactor (Output Engine)*, page 149

→ *scaleMode (Output Engine)*, page 150

related parameters

PLS_META_n (P4)

purpose

PLS_META_n specifies the PDF metadata with PDF/A files.

hints

- With a set collation, PLS_META_*n* is set in the set header. A job parameter in a set member is not evaluated.
- With a set collation PLS_META_*n* is only evaluated if the $PLS_USEMETA job parameter is set to Y.
- PLS_META_*n* item is evaluated for the PDF/A processing by the output driver only.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs and set collations.

To be continued

PLS_META_n (P4), Continuation

values

You can specify the following values with the following syntax:

- *prefix:tag_name=tag_value*

Value	Description
prefix	The following values are allowed: • xmp • dc • pdf • xmpMM
tag_name	The following characters are allowed: • a-z • A-Z • 0-9 • _  hint - predefined tags: The following tags have a definite meaning. If these are specified, the prefix has not to be specified: • Title (pdf:title) • Author (pdf:creator) • Subject (pdf:subject) • Creator (xmp:CreatorTool) • Producer (pdf:Producer) • CreationDate • ModDate
tag_value	Any value.  hint - special character: When using the special character “, it has to be quoted by /.

default

There is no default.

To be continued

PLS_META_n (P4), Continuation

example

The PDF meta tag includes the value `SEAL Systems`:

```
$PLS_META_0 == "Author=SEAL Systems“
```

related parameters

→ *PLS_USEMETA (P4)*, page 177

PLS_META_TYPE (P4)

purpose

`PLS_META_TYPE` specifies the type of the document. By means of this, the additional sheets can be distinguished from "normal" documents by PLOSSYS OCON for example.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

The following values are available:

Value	Description
`CoverSheet`	The document is a cover sheet.
`Document`	The document is a "normal" document.
`ErrorSheet`	The document is an error sheet.
`MissingSheet`	The document is a missing sheet if a document of a set collation cannot be output.
`SplittingSheet`	The document is a missing sheet if a document has been redirected to another output device when outputting to a pool device.
`TrailerSheet`	The document is a trailer sheet.

default

Default is `Document`.

PLS_MIRROR (P4)

purpose

`PLS_MIRROR` specifies the mirroring of jobs.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

The value is specified as a Boolean:

- `Y`
  The job is mirrored.
- `N`
  The job is not mirrored.

default

Default is `N`.

PLS_NETTO_PLOTSIZE (P4)

`PLS_NETTO_PLOTSIZE` specifies the printable area of the page. — purpose

`PLS_NETTO_PLOTSIZE` is set by the CGM preprocessor. — hint

The job parameter is optional. — type

The job parameter is valid for single jobs. — job type

The values are specified as four float values with up to three digits before and six digits after the decimal point. The values are separated by commas or blanks. The area is specified in meters. — values

- *`XMIN,YMIN,XMAX,YMAX`*

Default is `0.0 0.0 0.0 0.0`. — default

PLS_ONLYFIRSTSTP (P4)

purpose

`PLS_ONLYFIRSTSTP` specifies which pages of multi-page files are stamped.

 hint

`PLS_ONLYFIRSTSTP` is evaluated for multi-page files only.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

The value is specified as a Boolean:

- `Y`
  Only the first page of a multi-page file is stamped.
- `N`
  All pages of the multi-page file are stamped.

default

Default is `N`.

 related parameters

→ *(PLS_)DUPLEX (P4, Output Engine)*, page 72

→ *PLS_DIFBACKSTP (P4)*, page 70

→ *PLS_PAGES (P4)*, page 119

→ *PLS_WINDOW_PAGENUMBER (P4)*, page 181

PLS_ORIG_EXT (P4)

`PLS_ORIG_EXT` specifies the file extension of the original file.	purpose
Unless `PLS_ORIG_EXT` exists, it will be created by the conversion service.	 hint
The job parameter is optional.	type
The job parameter is valid for single jobs and set members.	job type
The value is specified as a string with up to 255 characters.	values
There is no default.	default

(PLS_)ORIG_NAME (P4, Output Engine)

purpose

(PLS_)ORIG_NAME specifies the original file name.

hints

- Unless (PLS_)ORIG_NAME exists, it will be created in PLOSSYS 4 by the conversion service.
- In PLOSSYS Output Engine, (PLS_)ORIG_NAME is passed to the fileName job parameter. Further sources for fileName are:
  - SAP_OMS_S_FILE (from SAP BC-XOM)
  - Field N in the LPR protocol
  - Standard IPP attribute document-name

type

The job parameter is optional.

job type

The job parameter is valid for single jobs and set collations.

values

The value is specified as a string with up to 255 characters.

default

There is no default.

PLS_PAGES (P4)

PLS_PAGES specifies which pages of multi-page files are output.

purpose

hints

- PLS_PAGES is evaluated for multi-page files only.
- The pages to be output are specified and not the output order.

The job parameter is optional.

type

The job parameter is valid for single jobs.

job type

The value is specified as a string:

values

- a-b area setting
  Pages a up to b are output.
- d,e or d;e explicit page specification; comma and semicolon are supported as separator.
  Pages d and e are output.

There is no default.

default

example

The pages 1 up to 5 of the multi-page file are output:

```
$PLS_PAGES == "1-5"
```

The pages 2 and 4 of the multi-page file are output:

```
$PLS_PAGES == "2,4"
```

The pages 1, 2 5 up to 8, 10, 12 up to 15 of the multi-page file are output:

```
$PLS_PAGES == „1,2,5-8,10,12-15“
```

related parameters

→ *(PLS_)DUPLEX (P4, Output Engine)*, page 72

→ *PLS_ONLYFIRSTSTP (P4)*, page 116

→ *PLS_DIFBACKSTP (P4)*, page 70

→ *PLS_WINDOW_PAGENUMBER (P4)*, page 181

PLS_PAPER_OPT (P4)

purpose

PLS_PAPER_OPT specifies the paper optimization.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

The value is specified as a Boolean:

- Y
  Paper optimization is performed.
- N
  Paper optimization is not performed.

default

Default is N.

PLS_PDF_OWNER_PASSWD (P4)

`PLS_PDF_OWNER_PASSWD` specifies the owner password of a PDF job.

purpose

hints

- The owner password protects the document against undesired actions, like changing, printing, commenting, etc.
- If a PDF document is protected by an owner password, the value of the job parameter has to match the owner password. Otherwise, an output does not take place.

The job parameter is optional.

type

The job parameter is valid for single jobs.

job type

The value is specified as a string.

values

There is no default.

default

example

The PDF job is protected by the `SAVE` owner password. The job is only output if the following job parameter is set:

```
$PLS_PDF_OWNER_PASSWD == "SAVE"
```

PLS_PDF_PASSWD (P4)

purpose

`PLS_PDF_PASSWD` specifies the password for opening a PDF job.

 hint

The user password protects the document against unauthorized opening. Without this password, the document cannot be opened. Adobe Reader asks for the password in a dialog.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

The value is specified as a string.

default

There is no default.

 example

The PDF job is protected by the `SAVE` user password. The job is only output if the following job parameter is set:

```
$PLS_PDF_PASSWD == "SAVE"
```

PLS_PENTAB (P4)

PLS_PENTAB specifies the pen table which is used by the format converter.	purpose
The job parameter is optional.	type
The job parameter is valid for single jobs.	job type
The value is specified as a string with up to 14 characters.	values
There is no default.	default

PLS_PLOT_FORMAT (P4)

purpose
`PLS_PLOT_FORMAT` specifies the format of the graphic file.

type
The job parameter is optional.

job type
The job parameter is valid for single jobs.

values
The value is specified as a string with up to 79 characters.

default
There is no default.

PLS_PLOT_ROTATE (P4)

purpose

`PLS_PLOT_ROTATE` specifies the rotation of the job's documents.

 hints

- If a job contains several pages, the rotation is applied to all pages.
- The rotation is performed before the rotation by the output driver.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

You can specify the following values:

Value	Description
`0`	The document will not be rotated.
`90`	The document will be rotated by 90 degrees.
`180`	The document will be rotated by 180 degrees.
`270`	The document will be rotated by 270 degrees.

default

Default is `0`.

(PLS_)PLOTCOPY (P4, Output Engine)

purpose

(PLS_)PLOT_COPY specifies the number of copies.

 hint

In PLOSSYS Output Engine, (PLS_)PLOTCOPY is passed to the copies job parameter. Further sources for copies are:

- SAP_OMS_S_COPIES (from SAP BC-XOM)
- WIN_INF_COPIES (set by SEAL MasterDriver)
- Standard IPP attribute copies

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

The value is specified as an integer.

 hint

If the value is set to 0, only one copy of the job is output. If the values is less than 0 or greater than 99, the default is used.

default

Default is 0.

 related parameters

→ *PLS_SCRNODE (P4)*, page 154

PLS_PLOTDATE (P4)

PLS_PLOTDATE specifies the time when the job was processed in PLOSSYS 4. — purpose

Unless PLS_PLOTDATE exists, it will be created by the conversion service. — hint

The job parameter is optional. — type

The job parameter is valid for single jobs. — job type

The value is specified as a string up to 19 characters in the following format: — values

- `yyyy-mm-ddThh:mm:ss`

Default is the current date and the time at the processing in the conversion service. — default

(PLS_)PLOTID (P4, Output Engine)

purpose

(PLS_)PLOTID specifies the name of the job. The job parameter is the identifier of the job.


hints

- The job name is used in the log files and in the statistics files of PLOSSYS 4.
- In PLOSSYS Output Engine, (PLS_)PLOTID is passed to the jobName job parameter. Further sources for jobName are:
  - (PLS_)JOBNAME
  - Field J in the LPR protocol
  - Standard IPP attribute job-name
- (PLS_)PLOTID is used as name for Web Portal shares when they are generated automatically.

type

The job parameter is mandatory.

job type

The job parameter is valid for single jobs.

values

The value is specified as a string with up to 80 characters.

default

Default is the name of the graphic file.

PLS_PLOTITEM (P4)

`PLS_PLOTITEM` specifies the number of the graphic file items (records) of the GKS metafile. — purpose

`PLS_PLOTITEM` is evaluated by the conversion service and added to the header. — hint

The job parameter is optional. — type

The job parameter is valid for single jobs. — job type

The value is specified as an integer in the range `0` to `999999`.

If the value is less than `0`, the job parameter is set to `0`. — values

There is no default. — default

(PLS_)PLOTPAPER (P4, Output Engine)

purpose

(PLS_)PLOTPAPER specifies the output medium.

hints

- Unless the output device has been started in the No Request operation mode, PLOSSYS 4 requests operating if the job to be output does not match the media currently available in the output device or if the (PLS_)PLOTPAPER keyword has been set for the job to SP.
- If an invalid value is set, the default is used.

reference

For more information about the output on specific media, refer to → *Job on a Specific Medium (P4, Output Engine)*, page 27.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

You can specify the following values:

Value	Description
BE	The job is output on the current medium type.
DB	The job is output on a cover sheet.
DE	The job is output on the default media type.
FO	The job is output on a film.
LI	The job is output on a light-weight paper.
MAN	The job is output on a tray which has to be controlled manually.
PA	The job is output on a paper.
SP	The job is output on a special medium.
SP1 ... SP12	The job is output on a special medium. Up to 12 different definitions of special media are possible.
TR	The job is output on a transparent medium.

To be continued

(PLS_)PLOTPAPER (P4, Output Engine), Continuation

As alternative values, PLOSSYS Output Engine supports the real names of the papers when the media types are passed to the output device directly:

alternative values in Output Engine

Name	Value
Color	DB
Transparency	FO
Plain	PA
Thin	LI
Vellum	TR
Letterhead	SP1
Preprinted	SP2
Bond	SP4
Recycled	SP5
Prepunched	SP6
Cardstock	SP7
Envelope	SP8
Rough	SP9
Thick	SP10
Coated	SP11
Highquality	SP12

Default is BE.

default

(PLS_)PLOTPEN (P4, Output Engine)

purpose

(PLS_)PLOTPEN specifies the color type of the job.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values P4

In PLOSSYS 4, you can specify the following values:

Value	Description
BE	Color information is not transferred to the output device.
EN	The color type which is set by the PEN_TYPE keyword in `plossys.cfg` is used.
KU	The job is output in color.
TU	The job is output in black & white without gray scales.

hint

Nowadays, PLOSSYS 4 often outputs the job in gray scales also with (PLS_)PLOTPEN TU.

values Output Engine

In PLOSSYS Output Engine, you can specify the following values:

Value	Description
BE	Color information is not transferred to the output device.
GR	The job is output in gray scales.
KU	The job is output in color.
TU	The job is output in gray scales.

hint

In PLOSSYS Output Engine, (PLS_)PLOTPEN TU, (PLS_)PLOTPEN TU and (PLS_)GRAY Y lead to the same result.

default

Default is BE.

related parameters

→ *(PLS_)GRAY (P4, Output Engine)*, page 83

(PLS_)PLOTSCALE (P4, Output Engine)

(PLS_)PLOTSCALE specifies the scaling. — purpose

PLOSSYS 4 distinguishes between the following possibilities to specify the scaling: — hint

- Specifying the scaling factor
- Specifying the target format

In PLOSSYS Output Engine, the specification of the scaling factor is passed to the scaleFactor job parameter.

In PLOSSYS Output Engine, the specification of the target format is passed to the mediaSize job parameter. scaleMode is set to fillFit.

The job parameter is optional. — type

The job parameter is valid for single jobs and set collations (PLOSSYS 4 only). — job type

values

- *Float*
  The value is specified as a float with up to three digits before and six digits after the decimal point.

  Hint - precision:
  With a larger number of digits, the value is shortened correspondingly.
- *String*
  The value is specified as a string up to 20 characters.

  Hint - format name:
  The value has to correspond to a format name which is specified by the FORMAT_DEFINITIONS keyword in plossys.cfg.

Default is 1.0. — default

related parameters

→ *mediaSize (Output Engine)*, page 109

→ *PLS_PLOTSIZE (P4)*, page 134

→ *(PLS_)SCALE_TYPE (P4, Output Engine)*, page 152

→ *scaleFactor (Output Engine)*, page 149

→ *scaleMode (Output Engine)*, page 150

PLS_PLOTSIZE (P4)

purpose

`PLS_PLOTSIZE` specifies the output format of the document.

 hint

The output format is evaluated by the conversion service and added to the header.

type

The job parameter is mandatory.

job type

The job parameter is valid for single jobs.

values

The values are specified as four float values with up to three digits before and six digits after the decimal point. The values are separated by commas. The values are specified in meter. They refer to the scaling factor `1.0`.

- *`XMIN,YMIN,XMAX,YMAX`*

default

Default is `0.0 0.0 0.0 0.0`.

 example

The output format is DIN A4 portrait:

```
$PLS_PLOTSIZE == 0.000000 0.000000 0.209900 0.297040
```

 related parameters

→ *(PLS_)PLOTSCALE (P4, Output Engine)*, page 133

→ *(PLS_)SCALE_TYPE (P4, Output Engine)*, page 152

(PLS_)PLOTTER (P4, Output Engine)

(PLS_)PLOTTER specifies the name of the output device.

purpose

hints

- In PLOSSYS 4, (PLS_)PLOTTER has to correspond to the value of the PLOTTER_NAME keyword in plossys.cfg.
- In PLOSSYS Output Engine, (PLS_)PLOTTER is passed to the printerName. Further sources for printerName are:
  - SAP_OMS_S_DEVICE (from SAP BC-XOM)
  - Field P in the LPR protocol
  - Standard IPP attribute job-printer-uri

The job parameter is mandatory.

type

The job parameter is valid for single jobs and set collations.

job type

The value is specified as a string with up to 29 characters.

values

There is no default.

default

(PLS_)PLOTTYPE (P4, Output Engine)

purpose

(PLS_)PLOTTYPE specifies the graphic type.

 hint

In PLOSSYS 4, graphic format types not belonging to the internal formats and without preprocessor for conversion are bypassed. They can only be output on output devices with the same entry as NATIVE_CODE or ANY_NATIVE in plossys.cfg.

type

The job parameter is mandatory.

job type

The job parameter is valid for single jobs.

values PLOSSYS 4, part 1

In PLOSSYS 4, you can specify the following values:

Value	Format	Processing
ASCII	Text	Internal graphic format
C907	CalComp-907	• Bypassing or converting into an internal graphic format via a preprocessor • Conversion into an internal graphic format with GXC engine
CALS	CALS raster type 1 and 2	• Only bypass possible • Internal graphic format when GXC Engine is active
CATIA	Catia Image	Via Digital Process Factory
CDR	CorelDRAW	Via Digital Process Factory
CGM	Computer Graphics Metafile	Internal graphic format
DOC	MS Word	Via Digital Process Factory
DWG	Auto CAD	Via Digital Process Factory
GIF	Graphics Inter-change Format	Internal graphic format
GKSMR	GKS file in record oriented format	Internal graphic format

To be continued

(PLS_)PLOTTYPE (P4, Output Engine), Continuation

Continuation:

values PLOSSYS 4, part 2

Value	Format	Processing
GKSMRW	See GKSMR The output format is taken from the header.	Internal graphic format
GKSMS	GKS file in streamed format	Internal graphic format
GKSMSW	See GKSMS The output format is taken from the header.	Internal graphic format
GXC	Symbolic identifier for formats processed by the GXC engine	Internal graphic format when GXC Engine is active
HCBS	HCBS	Internal graphic format
HPGL	HPGL, Hewlett-Packard Graphic Language	• Bypassing or converting into an internal graphic format via a preprocessor • Internal graphic format when GXC Engine is active
HPGL2	HPGL2, Hewlett-Packard Graphic Language 2	• Bypassing or converting into an internal graphic format via a preprocessor • Internal graphic format when GXC Engine is active
ILLEGAL	Invalid output device code	No processing
JPEG		
NATIVE	Any printer code	Only bypass possible

To be continued

(PLS_)PLOTTYPE (P4, Output Engine), Continuation

values PLOSSYS 4, part 3

Continuation:

Value	Format	Processing
NONE	Any printer code	
OTF	SAPGOF	Internal graphic format
PDF	PDF	Internal graphic format
POSTSCRIPT	PostScript	Bypassing or converting into an internal graphic format via a preprocessor
PPT	MS PowerPoint	Via Digital Process Factory
PRESCRIBE	Kyocera Prescribe Format	Only bypass possible
RTL	HP RTL	• Only bypass possible • Internal graphic format when GXC Engine is active
TIFF	TIFF	Internal graphic format
XSL	MS Excel	Via Digital Process Factory
XML	Extensible Markup Language	Internal graphic format

values PLOSSYS Output Engine

In PLOSSYS Output Engine, you can specify the following values:

Value	Format	Processing
NATIVE	Any printer code	Only bypass possible

default

There is no default.

hint

Other formats are available on request.

PLS_POOLPLOTTER_ALL (P4)

purpose

PLS_POOLPLOTTER_ALL specifies if a job is output on all devices specified as pool devices.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

The value is specified as a Boolean:

- Y
  The job is output once on all devices specified as pool devices.
- N
  The job is not output on all devices specified as pool devices.

default

Default is N.

(PLS_)PRINT_QUALITY (P4, Output Engine)

purpose

(PLS_)PRINT_QUALITY specifies the output quality of the job corresponding to the properties of the output device.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs and set collations.

values

You can specify the following values:

Value	Description
NORMAL	The job is output in normal quality.
HIGH	The job is output in high quality.
LOW	The job is output in low quality.

default

Default is NORMAL.

PLS_PRIO (P4)

purpose

`PLS_PRIO` specifies the priority of the job.

hints

- Jobs with the priority `9` have the highest priority.
- Jobs with the priority `0` have the lowest priority.
- Arriving jobs are entered in the list of waiting jobs within their priority level.
- Only jobs with the priority `0` or `1` are taken into account for paper optimization.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

The value is specified as an integer in the range `1` to `9`.

default

Default is `0`.

(PLS_)PUNCH (P4, Output Engine)

purpose

(PLS_)PUNCH specifies if the documents of the jobs are punched.

 hint

The punch type is specified with the (PLS_)PUNCH_TYPE job parameter.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs and set collations.

values

You can specify the following values:

Value	Description
Y	The documents are punched according to the settings of the (PLS_)PUNCH_TYPE job parameter.
N	The document will not be punched.
any value (except of N)	The documents are punched according to the settings of the (PLS_)PUNCH_TYPE job parameter.

default

There is no default.

 related parameters

→ *(PLS_)PUNCH_TYPE (P4, Output Engine)*, page 143

(PLS_)PUNCH_TYPE (P4, Output Engine)

(PLS_)PUNCH_TYPE specifies the position and the number of the holes.

purpose

hints

- If the job parameter (PLS_)PUNCH is set to Y, but (PLS_)PUNCH_TYPE is not defined or has an invalid value, the document will not be punched.
- Possible punch types depend on the ability of the output device.

The job parameter is mandatory for set collation.

The job parameter is optional for single jobs.

type

The job parameter is valid for single jobs and set collations.

job type

You can specify the following values:

values

Value	Description
Left	The documents are punched with two holes on the margin left.
Bottom	The documents are punched with two holes on the margin bottom.
Right	The documents are punched with two holes on the margin right.
Top	The documents are punched with two holes on the margin top.
FourLeft	The documents are punched with four holes on the margin left.
FourBottom	The documents are punched with four holes on the margin bottom.
FourRight	The documents are punched with four holes on the margin right.
FourTop	The documents are punched with four holes on the margin top.

There is no default. If (PLS_)PUNCH is set to Y, the default is LEFT.

default

→ *(PLS_)PUNCH (P4, Output Engine)*, page 142

related parameters

PLS_RECEIVER (P4)

purpose

`PLS_RECEIVER` specifies the e-mail address of the receiver.

 hints

- `PLS_RECEIVER` is only evaluated if the output type is set to `MAIL`.
- In the Web Portal, `PLS_RECEIVER` is used as receiver of the share with the automatic generation of shares.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs and set collations.

values

The value is specified as a string. Several addresses are separated by commas.

default

There is no default.

 related parameters

→ *PLS_RECEIVER_CC (P4)*, page 146

→ *PLS_RECEIVER_BCC (P4)*, page 145

→ *PLS_SENDER (P4)*, page 156

→ *PLS_SUBJECT (P4)*, page 173

→ *PLS_MAIL_MESSAGE (P4)*, page 98

PLS_RECEIVER_BCC (P4)

`PLS_RECEIVER_BCC` specifies the e-mail address of the additional receiver. Unlike to `PLS_RECEIVER_CC`, the original receiver (`PLS_RECEIVER`) has no knowledge about the additional receivers.

purpose

`PLS_RECEIVER_BCC` is only evaluated if the output type is set to `MAIL`.

hint

The job parameter is optional.

type

The job parameter is valid for single jobs and set collations.

job type

The value is specified as a string. Several addresses are separated by commas.

values

There is no default.

default

→ *PLS_RECEIVER (P4)*, page 144
→ *PLS_RECEIVER_CC (P4)*, page 146
→ *PLS_RECEIVER (P4)*, page 144
→ *PLS_MAIL_MESSAGE (P4)*, page 98

related parameters

PLS_RECEIVER_CC (P4)

purpose

`PLS_RECEIVER_CC` specifies the e-mail address of the additional receiver.

 hint

`PLS_RECEIVER_CC` is only evaluated if the output type is set to `MAIL`.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs and set collations.

values

The value is specified as a string. Several addresses are separated by commas.

default

There is no default.

 related parameters

→ *PLS_RECEIVER (P4)*, page 144
→ *PLS_RECEIVER_BCC (P4)*, page 145
→ *PLS_RECEIVER (P4)*, page 144
→ *PLS_MAIL_MESSAGE (P4)*, page 98

PLS_ROTATE (P4)

PLS_ROTATE specifies the angle of the HPGL drawing in the preprocessor gate. purpose

 hint

PLS_ROTATE is only evaluated in the hpglgate.

The job parameter is optional. type

The job parameter is valid for single jobs. job type

You can specify the following values: values

Value	Description
0	The drawing is not rotated.
90	The drawing is rotated by 90 degrees.
180	The drawing is rotated by 180 degrees.
270	The drawing is rotated by 270 degrees.

Default is 0. default

PLS_SAVE_SPOOLFILE (P4)

purpose

`PLS_SAVE_SPOOLFILE` specifies if the spool files are deleted or saved.

 hints

- Controlling of the output device via script: `SavePlotfile`
- Controlling of the output device via GEKKO: `SAVE_SPOOLFILE`

type

The job parameter is optional.

job type

The job parameter is valid for single jobs and set collations.

values

The value is specified as a Boolean:

- `Y`
  The spool files are not deleted and are saved in the `data\plotserv\spoolfiles` directory.
- `N`
  The spool files are deleted after output.

default

Default is `N`.

scaleFactor (Output Engine)

`scaleFactor` specifies the manual scaling factor. — purpose

The parameter may only contain a single value, not different values for x and y. — hint

For more information about specifying the target format in PLOSSYS Output Engine, refer to the system description of PLOSSYS Output Engine:

→ https://plossys-output-engine.docs.sealsystems.de/ — reference

The job parameter is optional. — type

The job parameter is valid for single jobs. — job type

The value is specified as a float with decimal point. — values

Default is `1.0`. — default

→ *mediaSize (Output Engine)*, page 109

→ *scaleMode (Output Engine)*, page 150 — related parameters

scaleMode (Output Engine)

purpose

`scaleMode` specifies the scaling mode for the automatic scaling.

 hint

The parameter can also exist as printer parameter. The job parameter takes priority over the printer parameter.

 reference

For more information about specifying the target format in PLOSSYS Output Engine, refer to the system description of PLOSSYS Output Engine:

→ https://plossys-output-engine.docs.sealsystems.de/

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values, part 1

You can specify the following values:

Value	Description
`fitMedia-Size`	• The complete format size is used for the document. The borders of the document which cannot be addressed by the hardware of the output device are clipped. • Documents that are too large are scaled to the target format. A document that is larger than the tolerance area of the target format is scaled to the size of the printable area. • Documents that are too small are placed on the target format without being scaled. • Similar to `DINSCL` (P4)
`fitPrint-Area`	• Only the printable area is used. The document is scaled down accordingly. • Documents that are too small are placed on the target format without being scaled. • Similar to `MAXSCL` (P4)
`clip`	• The document will not be scaled automatically. The scaling factor `scaleFactor` is evaluated. If the document is too large, it is clipped at the border of the printing area. • Similar to `NOSCL` (P4)

To be continued

scaleMode (Output Engine), Continuation

Continuation: values, part 2

Value	Description
`fillFit`	• Only the printable area is used. The document is scaled down accordingly. • Document that are too small are scaled up. • The document is not clipped.
`fill`	• The complete format size is used for the document. The non-printable borders are clipped. • Documents that are too large are scaled down to the largest available target format. • Document that are too small are scaled up.
`noScale`	• It is not attempted to scale or clip the document even if a PPD file has been specified for the printer. • The `seal-convert-pdfscale` service is not called in this case.

Default is `fitMediaSize`. default

 related parameters

→ *mediaSize (Output Engine)*, page 109

→ *scaleFactor (Output Engine)*, page 149

→ *(PLS_)SCALE_TYPE (P4, Output Engine)*, page 152

(PLS_)SCALE_TYPE (P4, Output Engine)

purpose

(PLS_)SCALE_TYPE specifies the scaling type of a job.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs and set collations (PLOSSYS 4 only).

values P4

In PLOSSYS 4, you can specify the following values:

Value	Description
/DINSCL	• Documents in the DIN format can be output on single sheets of the same format in full scale (1:1) even if the representation area of the output device is smaller. The document is output in full scale onto the sheet. The borders of the documents which cannot be addressed by the hardware of the output device are clipped. • With drawings having non-DIN format, the borders of the document are clipped in the same way.  hint - tolerance borders: However, both with DIN format documents and other document, the DIN scaling is only used if the tolerance limits are not exceeded, see DINSCL_TOLERANCE. Otherwise, the maximum scaling is used.  reference - DINSCL_TOLERANCE: → [PLOSSYS_4_TEC]
/INTSCL	• The document is scaled by the factor 1/2, 1/3, 1/4 and so on; this results in the largest area that can be completely printed on the output device.
/MAXSCL	• The drawing is scaled down to such an extent that it just can be output completely.
/NOSCAL	• The scaling factor PLS_PLOTSCALE is evaluated. If the document is too large, it is clipped at the border of the printing area.

To be continued

(PLS_)SCALE_TYPE (P4), Continuation

In PLOSSYS Output Engine, the following parameters and values are mapped:

values Output Engine

Value	Description
/DINSCL	scaleMode is set to fitMediaSize
/INTSCL	not supported by PLOSSYS Output Engine
/MAXSCL	scaleMode is set to fitPrintArea
/NOSCAL	scaleMode is set to clip

Default is /DINSCL.

default

related parameters

→ *PLS_PLOTSIZE (P4)*, page 134

→ *(PLS_)PLOTSCALE (P4, Output Engine)*, page 133

→ *scaleMode (Output Engine)*, page 150

PLS_SCRNODE (P4)

purpose
`PLS_SCRNODE` specifies the name of the current server.

type
The job parameter is mandatory.

job type
The job parameter is valid for single jobs and set collations.

values
The value is specified as a string with up to 64 characters.

default
There is no default.

(PLS_)SECUREPRINT (P4, Output Engine)

(PLS_)SECUREPRINT contains the password that the user has to specify at the output device in order to output the job.

purpose

- (PLS_)SECUREPRINT is only taken into account unless the (PLS_)ENABLE_SECUREPRINT job parameter has been set to N.
- The evaluation of (PLS_)ENABLE_SECUREPRINT and (PLS_)SECUREPRINT depend on the support by the output device and the driver template. For small format templates, this support is usually given, except for the generic templates for example.

 hints

The job parameter is optional.

type

The job parameter is valid for single jobs.

job type

The value is specified as a string.

values

The rules which apply for the password, for example, if only digits are allowed or the maximal length of the password, depend on the specific output device!

 hint - device-dependent

There is no default, that means no password is set.

default

→ *(PLS_)ENABLE_SECUREPRINT (P4, Output Engine)*, page 74

 related parameters

PLS_SENDER (P4)

purpose

PLS_SENDER specifies the e-mail address of the sender.

hints

- PLS_SENDER is only evaluated if the output type is set to MAIL.
- In the Web Portal, PLS_SENDER is used as generator (owner) of the share with the automatic generation of shares.

type

The job parameter is mandatory.

job type

The job parameter is valid for single jobs.

values

The value is specified as a string.

default

There is no default.

related parameters

→ *PLS_RECEIVER (P4)*, page 144
→ *PLS_RECEIVER_CC (P4)*, page 146
→ *PLS_RECEIVER_BCC (P4)*, page 145
→ *PLS_MAIL_MESSAGE (P4)*, page 98
→ *PLS_SUBJECT (P4)*, page 173

PLS_SET_COPY (P4)

purpose

PLS_SET_COPY specifies the number of copies of the set collation.

hints

- The PLS_PLOTCOPY job parameter for single jobs is evaluated for each set member additionally.
- PLS_SET_COPY is only evaluated if LICENSE\SETCOLL_OPTION in plossys.cfg is set to Y.

type

The job parameter is optional.

job type

The job parameter is valid for set collations.

values

The value is specified as an integer.

- If the value of the job parameter is set to 0, no additional copy of the set collation is output, that means, only one copy of the set collation is output.
- If the value of the job parameter is less than 0 or more than 99, the default is used.

default

Default is 0.

related parameters

→ *(PLS_)PLOTCOPY (P4, Output Engine)*, page 126

PLS_SET_MEMBER_NAME (P4)

purpose

`PLS_SET_MEMBER_NAME` specifies the identification of the job mapped to the set collation.

hints

- The number of the `PLS_SET_MEMBER_NAME` job parameter has to correspond to the number determined by `PLS_SET_NUMBER`.
- The single jobs whose job IDs are listed here also have to have the `PLS_SET_NAME` job parameter containing the name of the set collation.

type

The job parameter is mandatory.

job type

The job parameter is valid for set collations.

values

The value is specified as a string with up to 80 characters.

default

There is no default.

related parameters

→ *PLS_SET_COPY (P4)*, page 157

→ *PLS_SET_NAME (P4)*, page 159

PLS_SET_NAME (P4)

PLS_SET_NAME specifies the name of the set collation.

purpose

hints

- If a single job is part of a set collation, it also has to have the job parameter with the name of the set collation.
- Additionally, the value of the PLS_PLOTID job parameter of the single job has to appear as a value of PLS_SET_MEMBER_NAME in the related set collation.
- In the Web Portal, PLS_SET_NAME is used as name of the share with the automatic generation of shares.

The job parameter is mandatory.

type

The job parameter is valid for set collations and single jobs.

job type

The value is specified as a string with up to 80 characters.

values

There is no default.

default

related parameters

→ *PLS_SET_MEMBER_NAME (P4)*, page 158

→ *(PLS_)PLOTID (P4, Output Engine)*, page 128

PLS_SET_NUMBER (P4)

purpose

PLS_SET_NUMBER specifies the number of single jobs in a set collation.

 hints

- The value of the PLS_SET_NUMBER job parameter has to match the value of the PLS_SET_MEMBER_NAME job parameter.
- PLS_SET_NUMBER is only evaluated if the set collation processing is active.

type

The job parameter is mandatory.

job type

The job parameter is valid for set collations.

values

The value is specified as an integer in the range 1 to 3000.

default

There is no default.

 related parameters

→ *PLS_SET_MEMBER_NAME (P4)*, page 158

(PLS_)SORT (P4, Output Engine)

(PLS_)SORT specifies if the documents of the job are sorted into different output trays or belts.

purpose

- The (PLS_)SORT_TYPE job parameter specifies the output tray or belt.
- (PLS_)SORT is only evaluated if the output device has a controllable sorting device.

hints

The job parameter is optional.

type

The job parameter is valid for single jobs.

job type

The value is specified as a Boolean:

values

- Y
  The document will be sorted.
- N
  The document will not be sorted.

There is no default.

default

→ *(PLS_)SORT_TYPE (P4, Output Engine)*, page 162

related parameters

(PLS_)SORT_TYPE (P4, Output Engine)

purpose

The (PLS_)SORT_TYPE job parameter specifies the output tray or belt into which the documents of the job are output.

hints

- In PLOSSYS 4, the sorting types are specified in the following file:
  `server\plotserv\plotter\fold_sorttypes.cfg`
- The output device has to have a controllable sorting device and support the passed values.
- With large formats, (PLS_)SORT_TYPE is only evaluated if (PLS_)SORT is set to Y.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values for large format

In PLOSSYS 4, you can specify the following values for large formats:

Value	Description
Band1	First output tray or belt
Band2	Second output tray or belt
Band3	Third output tray or belt
Stacker	Stacker unit

values for small format

In PLOSSYS 4 and PLOSSYS Output Engine, you can specify the following values for small formats:

Value	Description
Left	Left output tray
Right	Right output tray
Upper	Upper output tray
Center	Center output tray
SideUpper	Upper output tray at the finisher
SideMiddle	Center output tray at the finisher
SideLower	Lower output tray at the finisher

To be continued

(PLS_)SORT_TYPE (P4, Output Engine), Continuation

There is no default.

default

→ *(PLS_)SORT (P4, Output Engine)*, page 161

related parameters

PLS_SPLITTYPE (P4)

purpose

`PLS_SPLITTYPE` specifies the splitting of the documents of a job.

 hint

Documents in large formats are split in several smaller documents and can be output at output devices with a smaller printing area without scaling.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

To be continued

PLS_SPLITTYPE (P4), Continuation

You can specify the following values: values

Value	Description
NOSPLIT	The document will not be split.
DIN	The document will be split according to the DIN standard. hint - landscape/portrait: This standard only applies to landscape documents. With portrait documents, the splitting is not specified. With available DIN A0 and DIN A1 format, for example landscape documents smaller than 594 mm and longer than 841 are split into DIN A1 parts, larger documents into DIN A0 parts. The parts have an overlapping area, whose size is configurable. The overlapping areas in x and y direction are set in plossys.cfg in the correspondent output device section by the SPLIT_X_OVL and SPLIT_Y_OVL keywords.
XY_NO_OVERLAP	The document is split without overlapping in x and y direction. The parts are as large as the largest paper format on the output device.
Y_SCALE_X_SPLIT	The document is scaled in Y direction as long as the documents fits to the largest available media. To avoid distortion, a scaling in X direction with the same scaling factor is executed afterwards. If the document is too large for the medium in X direction, it will be split with in this direction with overlapping.

Default is NOSPLIT. default

PLS_SRCAPPL (P4)

purpose

`PLS_SRCAPPL` specifies an external program call executed when the job gets a specified job status.

 hints

- The job status is specified by the `PLS_CALL_CONDITIONS` job parameter.
- The job parameter is specified in the `[SYSTEM]` section of `plossys.cfg`.
- The external program call can only be executed if the correspondent privileges are set.

type

The job parameter is mandatory.

job type

The job parameter is valid for single jobs and set collations.

values

The value is specified as a string with up to 255 characters.

default

There is no default.

 related parameters

→ *PLS_CALL_CONDITIONS (P4)*, page 53

PLS_STAMP_0 (_n) (P4)

purpose

`PLS_STAMP_0` to `PLS_STAMP_`*n* specify the texts which are output as stamps on the job. Additionally, you can specify the name of a specific stamp layout file.

hints

- The position and the appearance of the stamp can be configured.
- The text can be specified in a text file. Unless the specified text file is found, the default text file, `server\plotserv\generic.stp`, is used.
- In the stamp texts, you can specify PLOSSYS 4-specific variables such as `$PLS_PLOTTER` and environment variables such as `%USERNAME%`.
- The maximum of possible stamps is specified in the `PLS_STAMP_MAX` environment variable, see [STAMP_USR].

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

The value is specified as a string with up to 237 characters.

A specific stamp layout file is specified at the beginning of the value and enclosed by `$`:

`$layoutfilename$stamp_text`

hint - known bugs

In the context of the specific stamp layout file, the following bugs are knows:

- If you specify a specific stamp layout file in `PLS_STAMP_0`, the configuration contained in this file is used for all stamps.
- If you specify a specific stamp layout file in `PLS_STAMP_`*n* with *n* greater than 0, this is used for this stamp only. However, not the configuration of stamp *n* is used but that of stamp `0`.

default

There is no default.

To be continued

PLS_STAMP_0 (_n) (P4), Continuation

examples

The `Test` text is output as stamp 0:

```
$ PLS_STAMP_0 == "Test"
```

The `text1` text is output as stamp 1 applying the layout specified in the `layout_-stamp1.stp` stamp layout file:

```
$ PLS_STAMP_1 == "$layout_stamp1.stp$text1"
```

The value of the `USERNAME` environment variable is output as stamp 2.

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

The value of the PLOSSYS 4-specific variable `PLS_PLOTTER` is output as stamp 3:

```
$ PLS_STAMP_3 == "$PLS_PLOTTER"
```

reference

For a detailed description of the text and graphic stamps, refer to:

→ [STAMP_USR]

(PLS_)STAPLE (P4, Output Engine)

(PLS_)STAPLE specifies if the documents of the jobs are stapled.

purpose

The staple type is specified with the (PLS_)STAPLE_TYPE job parameter.

 hint

The job parameter is optional.

type

The job parameter is valid for single jobs and set collations.

job type

You can specify the following values:

values

Value	Description
Y	The documents are stapled according to the settings of the (PLS_)STAPLE_TYPE job parameter.
N	The document is not stapled.
any value (except of N)	The documents are stapled according to the settings of the (PLS_)STAPLE_TYPE job parameter.

There is no default.

default

→ *(PLS_)STAPLE_TYPE (P4, Output Engine)*, page 170

→ *(PLS_)BOOKLET (P4, Output Engine)*, page 52

 related parameters

(PLS_)STAPLE_TYPE (P4, Output Engine)

purpose

(PLS_)STAPLE_TYPE specifies the position and the number of the stapling.

hints

- In PLOSSYS 4, the staple type is specified in the following file:
  `server\plotserv\plotter\fold_sorttypes.cfg`
- Possible staple types depend on the ability of the output device.

type

The job parameter is mandatory for set collation.

job type

The job parameter is valid for single jobs and set collations.

values

You can specify the following values:

Value	Description
OneUpLeft	Once at the upper left corner
OneBottomLeft	Once at the lower left corner
OneUpRight	Once at the upper right corner
OneBottomRight	Once at the lower right corner
TwoLeft	Twice at the upper left corner
TwoRight	Twice at the lower left corner
TwoBottom	Twice at the lower corner
TwoUp	Twice at the upper corner
Booklet	As booklet hint - obsolete: Booklet with (PLS_)STAPLE_TYPE has been replaced by (PLS_)BOOKLET, but is still supported due to compatibility reasons.

default

There is no default. If (PLS_)STAPLE is set to Y, the default is OneUpLeft.

related parameters

→ *(PLS_)BOOKLET (P4, Output Engine)*, page 52
→ *(PLS_)STAPLE (P4, Output Engine)*, page 169

PLS_START_TIME (P4)

`PLS_START_TIME` specifies the time when the output of the job is started.	purpose
The job parameter is optional.	type
The job parameter is valid for single jobs and set collations.	job type
The value is specified as a string up to 19 characters in the following format: • `dd.mm.jjjj HH:MM:SS`	values
By default, the job is output according to its position in the output queue.	default

PLS_STATISTIC_0 (_2) (P4)

purpose `PLS_STATISTIC_0 (_2)` specifies the texts output to the statistic file.

 hint The format of the statistic file is specified in `plossys.cfg`.

type The job parameter is optional.

job type The job parameter is valid for single jobs.

values The value is specified as a string with up to 20 characters.

default There is no default.

PLS_SUBJECT (P4)

PLS_SUBJECT specifies the subject line of the e-mail.

purpose

hints

- PLS_SUBJECT is only evaluated if the output type is set to MAIL.
- If the PLS_SUBJECT job parameter is missing in the header, the value of PLS_PLOTID is used as subject of the e-mail.
- In the Web Portal, PLS_SUBJECT is used as description of the share with the automatic generation of shares.

The job parameter is mandatory.

type

The job parameter is valid for single jobs.

job type

The value is specified as a string with up to 14 characters.

values

Default is PLS_PLOTID.

default

related parameters

→ *PLS_RECEIVER (P4)*, page 144
→ *PLS_RECEIVER_CC (P4)*, page 146
→ *PLS_RECEIVER_BCC (P4)*, page 145
→ *PLS_SENDER (P4)*, page 156

PLS_TEXTLINEWIDTH (P4)

purpose

`PLS_TEXTLINEWIDTH` specifies the nominal line width in meters.

hints

- The value is multiplied by the text line width factor specified in the GKS metafile by an escape function.
- The result is the text line width to be output.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

The value is specified as a float with up to three digits before and six digits after the decimal point in meters.

default

Default is `0.01`.

(PLS_)TRAY_1 (_n) (P4, Output Engine)

purpose

(PLS_)TRAY_1 (_n) specifies the tray for the output.

hints

- To each page of a multi-page document, an explicit tray can be assigned by setting the variable with the correspondent number: (PLS_)TRAY_1 for the first page, (PLS_)TRAY_2 for the second page and so on.
- Unless a value is specified for a page, the value specified last is used.
- If for none of the pages a value is specified, the default is used by PLOSSYS 4.

reference

The PAPER_SELECT setting at the output device determines if (PLS_)TRAY_1 (_n) is evaluated. For more information, refer to → *Job on a Specific Medium (P4, Output Engine)*, page 27.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs and set collations.

values PLOSSYS 4

For PLOSSYS 4, you can specify the following values:

Value	Description
INTRAYAUTO	PLOSSYS 4 request the appropriate tray from the output device according to the output size and the medium selected via (PLS_)PLOTPAPER.
INTRAYMANUAL	PLOSSYS 4 requests the tray from the output device for which the MANUAL type is specified.
INTRAY*n*	PLOSSYS 4 requests the specified tray from the output device with the number *n*.

values PLOSSYS Output Engine

For PLOSSYS Output Engine, you can specify the following values:

Value	Description
INTRAY*n*	PLOSSYS Output Engine passes the tray with the number *n* to the output device.
media_type	PLOSSYS Output Engine passes the media type to the output device.

To be continued

(PLS_)TRAY_1 (_n) (P4, Output Engine), Continuation

additional

Additionally, the values can be specified that can be specified with (PLS_)PLOTPAPER, for example, SP1.

default

Default is INTRAYAUTO.

relevant keywords

In this context, the following keywords in plossys.cfg are relevant in PLOSSYS 4:

reference

→ *ASK_PAPER*, [PLOSSYS_4_TEC]

→ *PAPER_SELECT*, [PLOSSYS_4_TEC]

related parameters

→ *(PLS_)PLOTPAPER (P4, Output Engine)*, page 130

PLS_USEMETA (P4)

`PLS_USEMETA` specifies if the values specified via the `PLS_META_X` job parameter are set as metadata in the PDF/A file.

purpose

`PLS_USEMETA` is only evaluated for the PDF/A processing by the output driver only.

 hint

The job parameter is optional.

type

The job parameter is valid for single jobs.

job type

The value is specified as a Boolean:

values

- `Y`
  The metadata is set in the PDF/A file corresponding to the `PLS_META_X` job parameter.
- `N`
  The metadata is not set.

Default is `N`.

default

→ *PLS_META_n (P4)*, page 110

 related parameters

PLS_USERGROUP (P4)

purpose — PLS_USERGROUP specifies the user group which is assigned to the job.

 hint — User groups can be allowed or forbidden for certain output devices.

type — The job parameter is mandatory.

job type — The job parameter is valid for single jobs and set collations.

values — The value is specified as a string with up to 256 characters.

default — There is no default.

 related parameters — → *(PLS_)USERNAME (P4, Output Engine)*, page 179

(PLS_)USERNAME (P4, Output Engine)

(PLS_)USERNAME specifies the user on the respective server. — purpose

In PLOSSYS Output Engine, (PLS_)USERNAME is passed to the userName job parameter. Further sources for userName are: — hint

- Field U in the LPR protocol
- Standard IPP attribute requesting-user-name

The job parameter is mandatory. — type

The job parameter is valid for single jobs and set collations. — job type

The value is specified as a string with up to 64 characters. — values

There is no default. — default

→ *PLS_USERGROUP (P4)*, page 178 — related parameters

PLS_WINDOW (P4)

purpose

`PLS_WINDOWS` specifies the cropped window which is considered at the output of the job.

 hints

- This clipping can be used for any output job types.
- The cropped window will be positioned on the left bottom corner of the paper.
- If the point `xmin ymin` is larger than `xmax ymax`, then `xmin ymin` will be set to `0` automatically.
- If the point `xmax ymax` is outside the job, `xmax ymax` is set to the largest possible value.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

The values are specified as four float values. The values are separated by blanks. The area is specified in meters.

- *`XMIN YMIN XMAX YMAX`*

default

Default is `0.0 0.0 0.0 0.0`.

 related parameters

→ *PLS_WINDOW_PAGENUMBER (P4)*, page 181

→ *PLS_CROP (P4)*, page 62

PLS_WINDOW_PAGENUMBER (P4)

purpose

`PLS_WINDOW_PAGENUMBER` specifies the cropped window for each page for multi-page files.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

The values are specified as four float values. The values are separated by blanks. The area is specified in meters.

- *`XMIN YMIN XMAX YMAX`*

default

Default is `0.0 0.0 0.0 0.0`.

related parameters

→ *PLS_WINDOW (P4)*, page 180

→ *(PLS_)DUPLEX (P4, Output Engine)*, page 72

→ *PLS_ONLYFIRSTSTP (P4)*, page 116

→ *PLS_DIFBACKSTP (P4)*, page 70

→ *PLS_PAGES (P4)*, page 119

SEAL_CODEPAGE (P4)

purpose

SEAL_CODEPAGE specifies the character encoding of the job.

 hints

- If SEAL_CODEPAGE is set to UTF-8, the job is processed as a Unicode job.
- Unless the SEAL_CODEPAGE is set, LATIN1 is set as character encoding via the SEAL_CODEPAGE environment variable.
- When processing the job, the $SEAL_CODEPAGE job parameter is always set to the value UTF-8 due to PLOSSYS 4 always works with UTF-8 as internal character encoding.
- The conversion to UTF-8 is done automatically.
- The original encoding is saved in the SEAL_ORIGCODEPAGE job parameter.

type

The job parameter is optional.

job type

The job parameter is valid for single jobs.

values

The value is specified as a string with up to 14 characters.

default

There is no default.

The default is set by the SEAL_CODEPAGE environment variable. By default, the variable is set to Latin1.

 reference

For a list of all supported character encodings which can be displayed according to UTF-8, refer to:

→ *Supported Character Encodings*, page 184

 related parameters

→ *SEAL_ORIGCODEPAGE (P4)*, page 183

SEAL_ORIGCODEPAGE (P4)

SEAL_ORIGCODEPAGE specifies the original encoding of the job.	purpose
SEAL_ORIGCODEPAGE is set by PLOSSYS 4.	hint
The job parameter is optional.	type
The job parameter is valid for single jobs.	job type
The value is specified as a string with up to 14 characters.	values
For a list of all supported character encodings which can be displayed according to UTF-8, refer to: → *Supported Character Encodings*, page 184	related topics
There is no default.	default
→ *SEAL_CODEPAGE (P4)*, page 182	related parameters

Appendix A Supported Character Encodings

PLOSSYS 4

The following character encodings are supported as input formats:

Character Encoding	Character Encoding	Character Encoding	Character Encoding
7bit-jis	cp857	ISO-10646-1	MacCentralEur-Roman
AdobeSymbol	cp860	ISO-2022-jp-3	MacCroatian
AdobeZdingbat	cp861	ISO-2022-jp	MacDingbats
ascii-ctrl	cp862	ISO-2022-jp-1	MacRomanian
big5-eten	cp863	ISO-2022-kr	MacRumanian
big5ext	cp864	ISO-646-US	MacSami
big5-hkscs	cp865	ISO-8859-1	MIME-B
big5plus	cp866	ISO-8859-10	MIME-Header
cccii	cp869	ISO-8859-11	MIME-Q
cp1006	cp874	ISO-8859-13	N.America (ASCII)
cp1026	cp875	ISO-8859-14	null Special Encoding
cp1047	cp878	ISO-8859-15	posix-bc
cp1250	cp932	ISO-8859-16	shiftjisx0123
cp1251	cp936	ISO-8859-2	symbol
cp1252	cp949	ISO-8859-3	UCS-2BE
cp1253	Cyrillics	ISO-8859-4	UCS-2LE
cp1254	dingbats	ISO-8859-5	US-ascii
cp1255	euc-cn	ISO-8859-6	UTF-16
cp1256	euc-jisx0213	ISO-8859-7	UTF-16BE
cp1257	euc-jp	ISO-8859-8	UTF-16LE
cp1258	euc-kr	ISO-8859-9	UTF-32
cp437	euc-tw	ISO-ir-165	UTF-32BE
cp500	gb12345-raw	jis0201-raw	UTF-32LE
cp737	gb18030	jis0208-raw	UTF-7
cp775	gb2312-raw	jis0212-raw	UTF-8

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[OPERATOR_TEC] *SEAL Operator*, System description, https://operator.docs.sealsystems.de/

[PDFTOOLS_TEC] *PDF Tools*, System Description, SEAL Systems

[PLOSSYS_4_ADDSH_TEC] *PLOSSYS 4 - Additional Sheets*, System Description, SEAL Systems

[PLOSSYS_4_TEC] PLOSSYS 4, System Description, SEAL Systems

[PLOSSYS_OUTPUT_ENGINE_TEC] *PLOSSYS Output Engine*, System Description, https://plossys-output-engine.docs.sealsystems.de/

[STAMP_USR] *Stamping (PLOSSYS 4, pdfstamp)*, User Manual, SEAL Systems

Terminology

The following section explains the most important terms that are used in this documentation. Terms identified by → refer to other terms in this section.

Job	A document that is issued by PLOSSYS 4 or PLOSSYS Output Engine; With PLOSSYS 4, a job is accepted when the following files are copied to the corresponding →Gate directory: 1. →Graphic file with correct file extension (example: `example.hpgl`) 2. Possibly the →header (example: `example.hed`) 3. Possible additional files such as color and pen tables 4. And finally the →trigger file (example: `example.rdy`) With PLOSSYS Output Engine, a job is sent to the check-in service via IPP or LPR.
Job input directory	→Gate directory
Job parameter	Setting for processing and outputting a →job
Set collation	Combined set of →output jobs
Output job	→Job
Output device	Device on which the document is output
Output parameter	→Job parameter
Output driver	Program for controlling an →output device
Inscription	→Flagpage
BC-XOM	OMS interface from SAP, which can be used to connect external output management systems such as → PLOSSYS 4 and →PLOSSYS Output Engine to SAP's spool system.
Check-in service	component of →PLOSSYS Output Engine, which is responsible for accepting output jobs.
Cover sheet	First sheet of a →set collation; it contains information about the job and the documents included in the job. The cover sheet is an →additional sheet.
Default-Header	→Header containing defaults for the →job parameter in →PLOSSYS 4
Printer configuration file	Configuration file in PLOSSYS 4 for →multi-drawers as addition to the configuration in the PLOSSYS 4 configuration file, `plossys.cfg`
Single job	→Job with one document
Single job header	→Header belonging to a →single job in PLOSSYS 4
Trailer sheet	Last sheet of a →set collation; it contains information about the job and the documents included in the job. The end sheet is an →additional sheet.
Missing sheet	Sheet that is output instead of the original document within a →set collation when the document did not arrive in the system after a timeout. The missing sheet is also called →additional sheet.
Error sheet	Sheet that is output instead of the original sheet when an error occurred while creating the document. The error sheet is an →additional sheet.
Flagpage	Lettering line in the margin of the document
Format converter	Program for converting a document from one graphic format into another

Gate	Job input for PLOSSYS 4; there is a separate gate or converter for each graphic format supported by PLOSSYS 4. It consists of 1. The →gate directory, 2. The →gate process and 3. The →gate converter. Special gates: →Maingate
Gate converter	→Format converter called by the →gate process
Gate process	Process in PLOSSYS 4 which converts the image files into another graphic format, and then passes them on to be output
Gate directory	File directory in PLOSSYS 4, into which incoming →jobs are copied
Graphic file	File that contains the graphic information of the document
Header	File in ASCII format that contains items for configuring a →job in PLOSSYS 4
Header item	→Job parameter in PLOSSYS 4
Console	User interface of PLOSSYS 4 in order to administrate jobs and output devices; →PLOSSYS OCON
Maingate	All jobs preprocessed by the other → gates are copied to the maingate directory in PLOSSYS 4 and processing is continued there.
Metafile	File in the →metaformat
Metaformat	Standardized graphic format (for example, GKSM, CGM, TIFF/G4) in PLOSSYS 4
Multi-drawer output	device with multiple media trays or rolls; configured by a section in the PLOSSYS 4 configuration file, `plossys.cfg`, in the `server/plotserv` directory and by a →printer configuration file
Output Engine	Short product name for →PLOSSYS Output Engine
PLOSSYS 4	Output management system from SEAL Systems
PLOSSYS 5	Old product name for →PLOSSYS Output Engine
PLOSSYS Administrator	Graphical administration interface to →PLOSSYS Output Engine
PLOSSYS netdome	Old product name for →PLOSSYS 4
PLOSSYS Output Engine	New version of the output management system from SEAL Systems based on the microservice architecture and specifically designed for cloud operation
PLOSSYS OCON	Graphical user interface of →PLOSSYS 4
Pool device	Pseudo output device which combines several →individual printers to a pool and distributes incoming jobs to its individual printers
Preprocessor	→Gate process which usually calls a format converter
Ready file	→trigger file
Set header	File with items for configuring the →set collation in PLOSSYS 4
Set member	→Single job belonging to a →set collation
SEAL Operator	Web-based client framework for various SEAL Systems products (→PLOSSYS 4, →PLOSSYS Output Engine, PLOSSYS@archive, DPF, Web Portal etc.)
Spool file	Final graphic file which is sent to the output device

Stamp	Graphic element which PLOSSYS 4 applies onto the document; not to be confused with the →flagpage
Tray	Output bin of a output device
Trigger file	File by means of which PLOSSYS 4 is informed, that all the data of a →job have been copied to the →gate directory, and that the job can be processed now
Web Portal	Browser-based application from SEAL Systems for the digital distribution and secure sending of any number of documents and documents of any size; based on →SEAL Operator
Additional sheet	→cover sheet, →trailer sheet, →missing sheet, →error sheet

Abbreviations

ASCII	American Standard Code for Information Interchange
BC	Business Connector
C907	CalComp Format 907 (vector format)
CAD	Computer Aided Design
CALS	Computer Aided Acquisition a Logistic Supports
CGM	Computer Graphics Metafile (vector format)
DIN	German Institute of Standardization
GIF	Graphic Interchange Format
GKS	Graphic Kernel System
GKSM	GKS Metafile (vector format)
GKSMR	GKS Metafile in record oriented format
GKSMRW	GKSMR in the case of which the drawing size is taken from the header
GKSMS	GKS Metafile in streamed format
GKSMSW	GKSMS in the case of which the drawing size is taken from the header
HCBS	Host Computer Basic Software
HPGL	Hewlett-Packard Graphic Language (vector format)
HPGL/2	Hewlett-Packard Graphic Language 2 (vector format)
IPP	Internet Printing Protocol
JPEG	Joint Photograhic Experts Group
LPR line printer Remote	
OMS	Output Management System
P4	PLOSSYS 4
PDF	Adobe Portable Document Format
PDF/A	Adobe Portable Document Format (PDF/A standard)
PLOSSYS®	Product family from SEAL Systems
PNE	PLOSSYS netdome Settings (PNE) (PLOSSYS netdome Settings)
PPD	PostScript Printer Description
PS	PostScript
TIFF	Tagged Image File Format
XML	Extensible Markup Language
XOM	Extended Output Management

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