SEALSYSTEMS
ENTERPRISE OUTPUT SOLUTIONS

Release Notes SAP2PDF

Version 9.5.4 3

Module sapgofu2pdf 3

Version 9.5.3 4

Module General..... 4
Module sapgofu2pdf 4

Version 9.5.2 5

Module General..... 5

Version 9.5.0 6

Module General..... 6

Version 9.4.1 7

Module General..... 7

Version 9.3.0 8

Module General..... 8

Version 9.2.2 9

Module General..... 9

Version 9.2.1 10

Module General..... 10

Version 9.2.0 11

Module General 11

Version 9.1.0 12

Module General 12

Version 9.0.12 13

Module General 13

Version 9.0.10 14

Module General 14

Version 9.0.8 15

Module General 15

Version 9.0.2 16

Module General 16

Version 9.0.1 17

Module General 17

Version 9.0.0 18

Module General 18

Version 8.17.0 19

Module General 19

Version 8.15.0 20

Module General 20

1 Version 9.5.4

1.1 Module sapgofu2pdf

- The evaluation of the IN06<form windows> <FROM_COPYNO><TO_COPYNO> command has been expanded. So far, only the COPIES_WINDOWS name was supported for <form window>. Now, any names are supported.
  SGOF-113 10.10.2025 15:19:04

new - IN06

2 Version 9.5.3

2.1 Module General

new - VS 2022

- The build of sapgofu2pdf.exe and sap2text.exe has been changed to Visual Studio 2022.
  SGOF-111 10.07.2025 15:47:31

2.2 Module sapgofu2pdf

bug-fix - CH command

- The evaluation of the OTF command CH<width><sapchar> has been corrected. In some cases, the character width specified in the CH command had been applied to a correspondent ST command. This looked like a blank in the wrong place.
  SGOF-108 09.07.2025 15:00:50

3 Version 9.5.2

3.1 Module General

- SAP icons in UTF-16-encoded OTF files in LISTFORMAT were processed incorrectly in the version 9.5.1. The bug has been fixed.
  SGOF-105 16.07.2024 10:49:07

bug-fix - SAP icons

4 Version 9.5.0

4.1 Module General

new - scaling TrueType fonts

- Via the CHAREXPAN_TTFONT item in the [ENVIRONMENT] section, a fix scaling factor can be specified for the character width when using embedded TrueType font data. With CHAREXPAN_TTFONT 1.0, the character width will not be changed.
  SGOF-97 07.11.2023 09:38:43

5 Version 9.4.1

5.1 Module General

- When generating 2D barcodes, sometimes texts containing @ and 4 digits were not output. The bug has been fixed.
  SGOF-85 20.04.2023 17:07:01

  bug-fix - missing barcode text @dddd

- The color information is evaluated for the list format as well. SAP icons are taken into account. However, it will not be analyzed if an SAP icon is colored or gray. When using SAP icons, always color is considered.
  SGOF-87 19.05.2023 17:30:24

  new - color information

6 Version 9.3.0

6.1 Module General

new - COPIES_WINDOW

- The IN06COPIES_WINDOW<n> <from><to> command is supported.
  SGOF-80 31.03.2023 11:45:07

new - sap2pdf no longer delivered

- The sap2pdf converter is no longer contained in delivery. For conversions into PDF, only the sapgofu2pdf converter can be used.
  SGOF-74 02.09.2022 16:25:42

7 Version 9.2.2

7.1 Module General

- sapgofu2pdf can evaluate the specifications of row and column numbers for the PDF417 barcode which are contained in the SAPGOF barcode command BP. Hint: If the specifications of the row or column number is changed but not the text of the barcode, the barcode will not change.
  SGOF-71 12.08.2022 11:57:49

new - barcode properties PDF417

8 Version 9.2.1

8.1 Module General

bug-fix - Asian characters

- In the SAPGOF LIST format, Asian characters were not output. The bug has been fixed.
  SGOF-63 04.05.2022 11:37:33

new - configuration files

- The configuration files in the server/plotserv/gates/sap2pdf and tools/convcfg/sap2pdf directories have been adjusted. Font items have been added to server/plotserv/gates/sap2pdf/GRIBS74_PDF_DB and server/plotserv/gates/sap2pdf/default.cfg. In tools/convcfg/sap2pdf/default.cfg, the font for DEFAULT_BARCODE has been set to 0. This avoids that PDF files are created with erroneous barcode font without being noticed. The conversion results in an error if a barcode has not been configured. In tools/convcfg/sap2pdf/default.db, a typo with the OCRB font has been fixed and the author has been changed from SEAL Systems to SEAL Systems AG.
  SGOF-68 23.06.2022 16:01:52

9 Version 9.2.0

9.1 Module General

- PDF417 barcodes were displayed too broad if a configuration for the barcode existed in the configuration file and the barcode was specified using the BP command. The bug has been fixed.
  SGOF-57 18.02.2022 08:45:02
  bug-fix - PDF417 barcode
- A warning is output if a configuration file specified with -cfg <filename> cannot be read correctly.
  SGOF-53 18.10.2021 17:04:04
  new - erroneous configuration file
- If sapgofu2pdf was called with a UTF-16-encoded ZPL file (Zebra printer file) as input file, "2" or "3" was returned as return code depending on the file size. Now, "3" is returned independent of the file size. With empty files, sapgofu2pdf returns "2".
  SGOF-54 15.12.2021 11:37:03
  new - return codes
- The sapgofu2pdf program can process both UTF-16-encoded SAPGOF files and UTF-8 and ASCII encoded SAPGOF files. The sap2pdf program only can process UTF-8- and ASCII-encoded SAPGOF files. Therefore, using only the sapgofu2pdf program is recommended. The sap2pdf program will no longer be contained in delivery with one of the next versions.
  SGOF-61 21.03.2022 16:09:56
  new - sap2pdf discontinued
- For SAPGOF files in the list format, also the PLS_PAGESIZE_<n> setting is written into the hed file.
  SGOF-58 21.02.2022 15:15:07
  new - page size

10 Version 9.1.0

10.1 Module General

bug-fix - overlapped elements

- The output order of specific elements has been adjusted for OTF files generated via SAPScript or Smart Forms. With this, some bugs concerning overlapping elements have been fixed.
  SGOF-50 15.04.2021 10:21:56

11 Version 9.0.12

11.1 Module General

- The correction value for the height influenced the one for the width. The bug has been fixed.
  SGOF-48 03.03.2021 16:34:04

  bug-fix - font correction value

- For the boxes specified by the BX command, the backgrounds were painted first and then the rest were output in a second run. This was necessary due to the order of the graphical elements was sometimes not taken into account at customers and, therefore, the texts were overpainted in a box. But with changing the order, some boxes were overpainted. At first, a large bitmap was output, then the boxes located in the empty area of the bitmap were defined. Now that the backgrounds of the boxes were created first, they were partially erased by the empty areas of the bitmap. Now, the changing of the order with the printing output has been expanded to bitmaps.
  SGOF-49 03.03.2021 16:37:55

  bug-fix - covered box

12 Version 9.0.10

12.1 Module General

bug-fix - barcode size

- By using the ASCII encoding scheme, barcode matrices with smaller dimensions are required. This will generate the geometric size of the barcode more accurately. The barcode size calculated from the number of matrix points and the module size now match the expected size. Note: For the barcode definitions required for this, the latest version of $SEALFONTS/sealfontlist has to be used.
  SGOF-46 03.03.2021 16:11:23

bug-fix - text width

- The calculation of the text width in files with many ST commands with trailing blanks has been corrected.
  SGOF-47 03.03.2021 16:27:21

13 Version 9.0.8

13.1 Module General

- The bug that two blanks were output instead of the Euro characters with list printing via SAPGOFU has been fixed.
  SGOF-45 17.09.2020 15:51:52

  bug-fix - Euro

- When updating the sap2pdf converter, the bug appeared that the sizes of 2D barcodes differed a lot. The reason was that the size of the barcode was evaluated via the configuration file in the version 8.17.4 of the sap2pdf converter instead of using the BP command in the new version. It turned out that the module size was not evaluated correctly and the so-called quiet size (border of the barcode) was taken into account in the calculation. The calculation of the barcode size has been revised.
  SGOF-44 02.09.2020 11:01:09

  bug-fix - size of barcode

14 Version 9.0.2

14.1 Module General

bug-fix - compressed barcode

- As with uncompressed bitmaps, the lines are filled up to 32 bit with compressed bitmaps as well.
  SGOF-43 22.05.2019 13:31:59

15 Version 9.0.1

15.1 Module General

- In the SEAL Fonts, the 0xA0 character was used for the Euro character. Many years ago, this had been implemented because many applications did it this way after the Euro had been introduced. With sap2pdf this is no longer required due to now the Unicode character 0x20AC or the SAP number #156 is used for the Euro character.
  SGOF-42 04.03.2019 11:22:01

new - Euro character

16 Version 9.0.0

16.1 Module General

bug-fix - icons

- The SAP icons with an SAP number from 1856 to 1985 all looked the same. The missing icon definitions have been added.
  SGOF-38 17.07.2017 11:21:40

bug-fix - OTF

- The sap2pdf converter recognizes if an OTF file does not contain data and returns the status 2 ("SAPERR_NODATA").
  SGOF-40 13.07.2018 11:10:08

new - BP command

- In the sap2pdf converter, the layout of the barcode was controlled by using a configuration file so far. As of SAPGOF version 6.4., the BP command has been introduced via which the layout of the barcode can be specified. As of version 9.0.0, the BP command has been implemented in the sap2pdf converter completely.
  SGOF-39 27.11.2017 14:24:14

17 Version 8.17.0

17.1 Module General

- With version 8.17.19, the handling of erroneous LD commands has been improved. In this case, the sap2pdf converter aborts the processing with an error status.
  SGOF-36 12.01.2017 11:07:12
  bug-fix - error
- Metadata are generated for all PDF/A variants.
  SGOF-37 13.07.2017 10:17:21
  bug-fix - metadata
- There are different data types for RD commands in OTF files. Not all of them are evaluated. All bitmap data and, depending on the configuration, the embedded TrueType fonts are interpreted. All other RD data are skipped and ignored. With OTF files containing RD data of the type E (PCL data), this resulted in ignoring the complete OTF file. The bug has been fixed.
  SGOF-35 30.11.2016 09:31:01
  bug-fix - RD data of type E
- Umlauts and all characters greater than 128 are represented as SAP numbers in OTF. These SAP numbers are also used in barcode strings due to some barcode types can display umlauts. The resolving of the SAP numbers has been expanded to all barcode types.
  SGOF-34 18.11.2016 14:22:53
  bug-fix - SAP numbers
- In the generated PDF file, no longer an info dictionary is written. All information about the creation date, application and so on is stored in a metadata dictionary in the PDF file.
  SGOF-31 16.07.2015 11:38:29
  bug-fix - version
- In the "FORMDEFINITIONS" section, the "RealPlotsize" and "CropBox" keywords are available. With RealPlotsize = YES, the printable area is evaluated for each page and logged in the header file as $ PLS_REALPLOTSIZE_<page#> == "<xmin> <ynin> <xmax> <ymax>". Additionally, the minimum borders are evaluated over all pages and logged in the header file as $ PLS_MINMARGIN_LEFT == "0.004000", $ PLS_MINMARGIN_BOTTOM == "0.004000", $ PLS_MINMARGIN_RIGHT == "0.004000" and $ PLS_MINMARGIN_TOP == "0.004000". For each format, the printable area can be preset via the "CropBox" keyword. Then, these presets are used instead of the calculated area.
  SGOF-30 15.07.2015 11:47:06
  new - printable area
- The bitmap generation for OTF files from SapScript can be controlled via the configuration file. In the "FORMDEFINITIONS" section, the "BackGroundBM" key is available which specifies whether a bitmap is to be generated in the PDF file via ImageMask or as normal graphic via Image. If a bitmap is generated via ImageMask, white pixels will not be output, that means the background will not be hidden and the bitmap will be transparent.
  SGOF-29 15.07.2015 11:13:21
  new - transparent bitmaps

18 Version 8.15.0

18.1 Module General

bug-fix - bitmap

- The bug when comparing bitmaps has been fixed.
  SGOF-22 27.01.2015 16:24:39

new - adjust font

- In the OTF files, the texts are specified using ST commands, the text width as well. Doing this, the text length is calculated using the SAP-internal font definitions. But when converting the OTF files, these are not available and the texts are converted using the fonts which are available to the converter with the SEAL Fonts package. Because of the two fonts it is not possible to display the texts exactly the same, especially if the OTF file uses a font which is not available in the SEAL Fonts package and is represented by another font. The converter therefore stretches or compresses the texts minimally so that the texts are output with the desired width. This ensures that the layout corresponds exactly to that of the OTF file. However, this adjustment is often unnecessary or leads to unwanted changes in the font metrics. Now, the adjustment can be skipped via a setting in the configuration file.
  SGOF-23 07.04.2014 18:08:28

new - missing configuration

- In OTF files, the barcodes are referenced by the barcode names. In the SAPGOF specification, many standard barcode names are specified together with the properties of the desired barcodes. Additionally, customer-specific barcodes can be used in SAP systems. The sap2pdf converter does not know any properties of these. Therefore, the customer-specific barcodes have to be described via the configuration. If the configuration was missing, the default was used which did not meet the requirements in most cases. As of version 8.15.0, the sap2pdf converter therefore aborts the processing of the OTF files with an error if the configuration of a customer-specific barcode is missing.
  SGOF-25 28.01.2015 10:18:15

new - interpretation of ST command

- In SAP systems, the texts in the OTF files are specified in different ways. Trailing blanks sometimes are output, sometimes not. The number of characters in the ST commands of the OZF files also have to be interpreted in different ways. The Unicode variants of SAP systems do not specify the text length, but the number of bytes required for the Unicode representation (UTF-16). Until now, it was never possible to say for sure how to interpret the number of characters in the ST commands and whether the text length is correct or the text has to be filled up using spaces. The sap2pdf converter now first examines the ST commands in the OTF file and then determines the interpretation.
  SGOF-24 28.01.2015 10:12:44

new - optimization

- The sap2pdf converter generates equal bitmaps only once. Gray images no longer are represented using 24 bit images but using 8 bit images.
  SGOF-21 09.07.2014 14:42:17