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1 Version 1.4.2

1.1 Module Fonts

bug-fix - "blank" with CNSONG font

- In the CNSONG font, font ID -30002, the blank for CJK character sets (Unicode U+3000) had a width of 0. If the character was used between two other characters, no space existed. The bug has been fixed.
  SFT-48 07.07.2026 11:53:00

bug-fix - PIC not found

- If a program on Linux was linked with the dynamic library, libpdf417.so, the ldd <program_name> command showed a message "PIC => not found". The bug has been fixed.
  SFT-37 11.11.2022 17:21:04

2 Version 1.4.1

2.1 Module General

- With some SEAL fonts, the German umlauts and some special characters were output incorrectly. The bug has been fixed. The following fonts were affected: SICAD Standard Font (-351, -851), DIN 6776 B (-352, -852), CALCOMP (-355, -855), CADAM-I (-356, -856), CADAM-II (-358, -858), PC-Draft-Font 001 (-361, -861), PC-Draft-Font 003 (-363, -863), PC-Draft-Font 007 (-367, -867), DEC Multinational Character Set (1, -1, -401, -901), HP Character Set 1 (-857), EPSON (-20025), OCRA (-20112)
  SFT-42 06.07.2023 08:44:38

bug-fix - umlauts and special characters

3 Version 1.4.0

3.1 Module General

new - DataMatrix

- The barcode properties for two DataMatrix barcode fonts were changed during version 1.3.0 of SEAL Fonts: Font -20300 (DataMatrix): In the barcode properties, -e8 has been replaced by -ea. This allows more data to be included in the barcode. Font -20301 (DataMatrix with GS1 terminology): To the barcode properties, -e8 has been added to ensure Base256 encoding. Two more DataMatrix fonts have been introduced: Font -20302 with -e8 (Base256 encoding) and Font -20303 with -eb (best-encoding).
  SFT-35 02.09.2022 14:52:17

3.2 Module sealfontlist

bug-fix - FontSlant

- Some items FontSlant="0.0 have been fixed to FontSlant="0.0".
  SFT-31 19.10.2021 10:23:38

4 Version 1.3.0

4.1 Module General

- For some barcodes, a so-called GS1 standard is available. With the DataMatrix barcode, this means that the control character FNC1 (ASCII 232) has to be output as first character. In sealfontlist, this can be configured with the -tgs1 option in BarcodeProperties. With the DataMatrix barcode, this option was not evaluated. This bug has been fixed.
  SFT-23 13.10.2015 09:08:16

  bug-fix - -tgs1 option

- The memory management in the SEAL Fonts library has been revised and, this way, program crashes with sap2pdf and the PLOSSYS driver have been eliminated.
  SFT-24 02.12.2015 10:08:07

  bug-fix - program crash

- For the DataMatrix barcode, a specific GS barcode type has been created. The font type has been added to the SEAL Fonts.
  SFT-26 29.05.2017 13:03:42

  new - DataMatrix barcode

- The Arial, Univers, UniversCondensed and Angasana (Thai) have been added with the Regular, Bold, Italic and BoldItalic types both as software font and as pdo font.
  SFT-28 12.10.2017 14:42:25

  new - fonts

- The following pdo files have been revised and made compatible to PDF/A: arialnarrow.pdo, arialnarrow.pdo, arialnarrow_bold.pdo, arialnarrow_bolditalic.pdo, arialnarrow_italic.pdo, courier.pdo, courier_bold.pdo, courier_boldoblique.pdo, courier_oblique.pdo, epson.pdo, isocpeur.pdo, ocra.pdo, symbol.pdo, tahoma.pdo, tahoma_bold.pdo, verdana.pdo, verdana_bold.pdo, verdana_bolditalic.pdo, verdana_italic.pdo
  SFT-27 11.07.2017 13:36:28

  new - PDF/A

- When the SEAL_DEFAULTCODEPAGE is set to UTF8, the input strings are checked for UTF-8 encoding and converted into UTF-16 if required. But 2D barcodes cannot display characters higher than 255 and, thus, the barcode string displayed incorrectly. Therefore, characters higher than 256 are output with UTF-8 encoding because usual barcode scanners (in iPhones for example) recognize the UTF-8 encoding and display the characters correctly. For this reason, the SEAL Fonts libraries have been improved.
  SFT-25 13.04.2017 13:11:16

  new - UTF-8, UTF-16

5 Version 1.2.0.1

5.1 Module General

new - barcode settings

- In the barcode properties for the QR barcodes, ZINT parameters can be specified in sealfontlist. The parameters are evaluated. With this, ECC levels and matrix sizes can be specified and the default settings of the barcodes can be changed.
  SFT-20 01.04.2014 11:21:14

new - documentation

- The font numbers of the 2D barcodes have been complemented in the documentation.
  SFT-18 11.02.2014 07:45:32

new - normalization

- The font names of the type3 fonts have been normalized. The consistent file extension is T3. The font names of the PDO fonts have been preceded by the SEALFT prefix. The file names of all fonts have been changed to lower case.
  SFT-21 14.10.2014 15:37:31

6 Version 1.2.0

6.1 Module General

- The barcode definitions have been revised in order to improve readability by barcode scanners.
  SFT-9 31.01.2013 13:30:24
  bug-fix - barcode
- The font design for Boxdrawing (-20021) has been revised. Thus, SAPGOF lists can be better generated.
  SFT-12 28.01.2014 16:14:40
  bug-fix - font design
- The following fonts are available: -20025 Font for EPSON printers -20026 Verdana -20027 Verdana-Bold -20028 Verdana-Italic -20029 Verdana-BoldItalic -20031 ISOCPEUR -20032 Lucida-Console -20113 OCR-B -20340 QR-Barcode
  SFT-14 28.01.2014 16:19:10
  new - fonts
- The gensealfontlist program is available. gensealfontlist checks all files contained in the directory specified by the SEALFONTS environment variable if their syntax correspond to a font list and compiles them to the font list sealfontlist.
  SFT-16 28.01.2014 16:23:07
  new - gensealfontlist
- The width ratio of thick and thick lines and gaps has been revised for all linear barcodes. This improves readability.
  SFT-13 28.01.2014 16:17:53
  new - barcode lines
- So-called PDO fonts (PDF objects) were available for the PDF creation. But partly, these fonts are not conform to PDF/A. Thus, a type3 font has been generated for each PDO font.
  SFT-15 28.01.2014 16:20:37
  new - type3 fonts
- The SEAL fonts which are required for the display of the PostScript default fonts have been regenerated based on OpenTTF fonts. The character set of these fonts includes the so-called Windows Glyph List 4, parts of Latin Extended-B (U+01A0 to U+01FF), an extended Cyrillic (U+1170 to U+1257), Hebrew (U+1456 to U+1524), Arabic (U+1548 to U+1785), Latin Extended Additional (U+7840 to U+7929) and some other characters not placed in these character ranges. The Windows Glyph List 4 (short: WGL4) is a character set defined by Microsoft and contains 652 characters. It also contains all characters from the Microsoft character sets CP1250 (Middle Europe), CP1251 (Cyrillic), CP1252 (Western), CP1253 (Greek) and CP1254 (Turkish) and the characters of MS-DOS-CP437. The following font numbers are affected: -10001, -10002, -10501, -10502 -20001, -20002, -20003, -20005, -20006, -20007, -20008, -20009, -20010, -20011, -20012, -20013 -20015, -20016, -20017, -20018, -20019, -20020
  SFT-17 28.01.2014 17:32:31
  new - character set for PostScript font