

PDF-Toolbox

Presenter: Sylke Hansen, Hendrik Rintermann | Thursday 4:00 – 4:30 p.m. and Friday 11:30 a.m. - 12:00 p.m.

PDF Toolbox in Prinect environment

Did you know?



What is the PDF Toolbox?

What is the PDF Toolbox?

The image displays a collection of software interfaces from the Heidelberg PDF Toolbox. At the top left, there's a window for 'evasolo' showing a blue garment. Below it is a window for 'Exotic GIN' featuring a colorful gin advertisement. In the center, a 'Prinect PDF Toolbox Imposition Editor' shows a grid of pages with technical specifications like 'Plattenformat', 'Breite', and 'Höhe'. To the right, a 'PDF Toolbox' menu lists various tools: Imposition Editor, Assemble Pages, Barcode & VDP Editor, PDF Compare, Register Control, Versioning Assistant, PDF/VT Control, and Fast View On/Off. Further right, a 'Prinect PDF Toolbox - PDF Report' window shows settings for report generation, including 'Folder for Reports', 'Template for Reports', and options like 'Attach report to document' and 'Create Report with Preview'. At the bottom, there's a 'CFE2-Voreinstellungen' window with 'Linienstärke' and 'CFE2-Daten übernehmen' options, and a 3D rendering of a printer control panel.

What is the PDF Toolbox?

HEIDELBERG

Princt Production PDF Toolbox

Princt CR
Version 061

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- PDF Toolbox
- Imposition Editor
- Assemble Pages
- Barcode & VDP Editor
- PDF Compare
- Register Control
- Versioning Assistant
- PDF/VT Control
- Fast View On/Off
- Wireframe View On/Off
- Layout Pages
- Show Effects
- Assemble Documents

Qualify

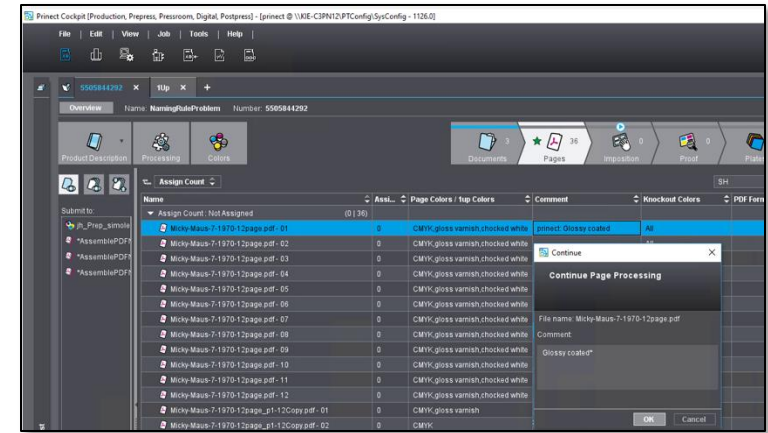
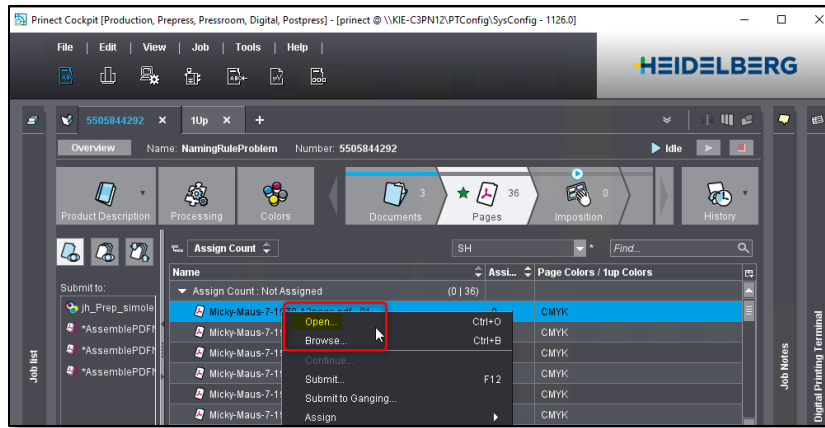
* Prepare

CMM_Preflight_Trap default (Prepare)			
<input checked="" type="checkbox"/>	Color Conversion	on	AllColorCarvers
<input checked="" type="checkbox"/>	Coating	on	AllVarnishCreators
<input checked="" type="checkbox"/>	PDF Optimization	on	AllPDFOptimizers
<input type="checkbox"/>	Transparency Handling	on	AllTransparencyHandlers
<input checked="" type="checkbox"/>	Object Screening	on	AllScreenCreators
<input type="checkbox"/>	External PDF Processing	on	AllManipulates
<input checked="" type="checkbox"/>	Versioning	on	AllPreflights
<input checked="" type="checkbox"/>	Preflight	on	AllPreflights
<input checked="" type="checkbox"/>	Trapping	on	AllTrappers
<input checked="" type="checkbox"/>	PDF Comparison	on	AllPDFCompares

PDF Toolbox in Prinect environment

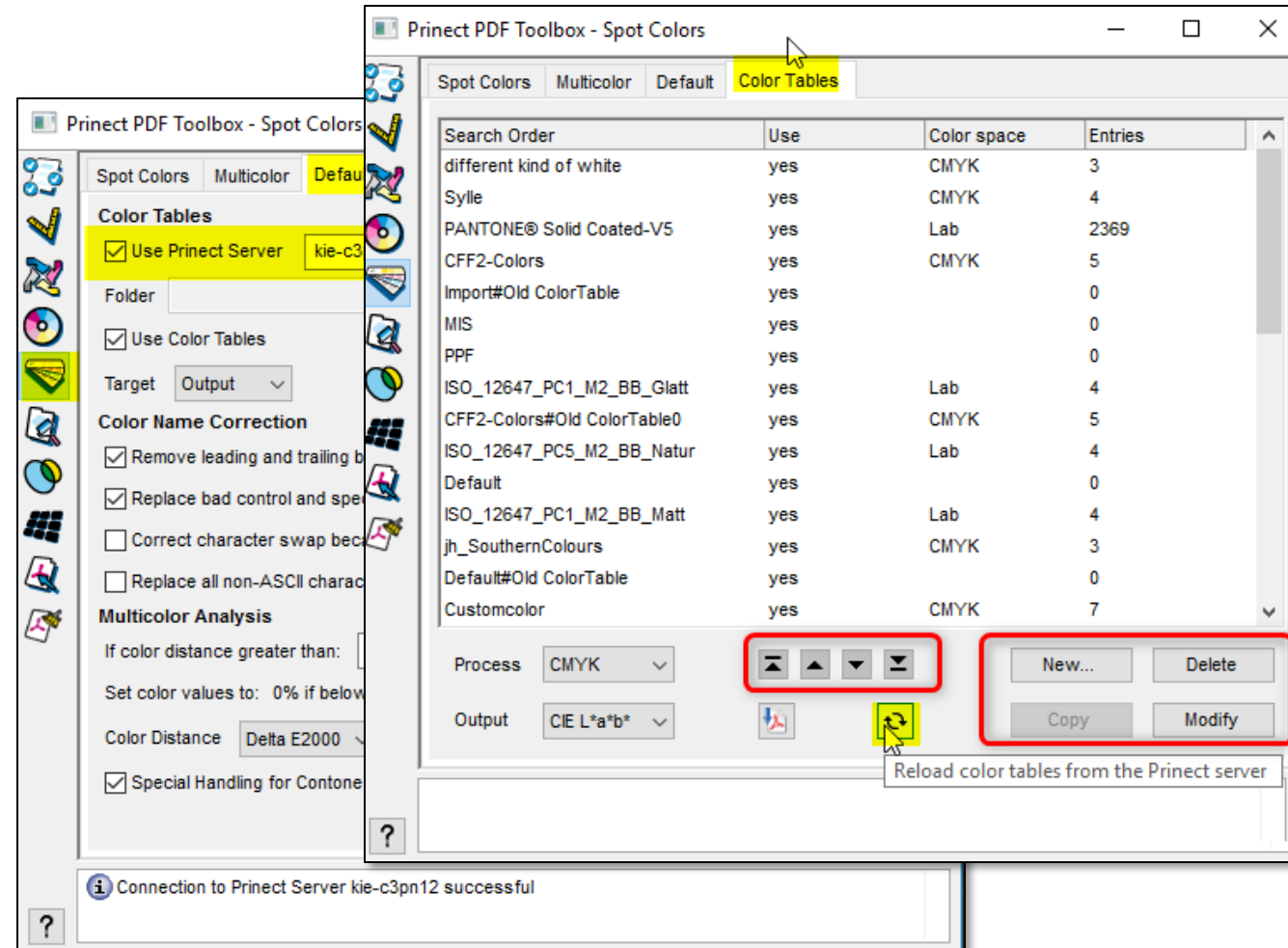
PDF Toolbox in Prinect environment

► Works interactively with the Cockpit



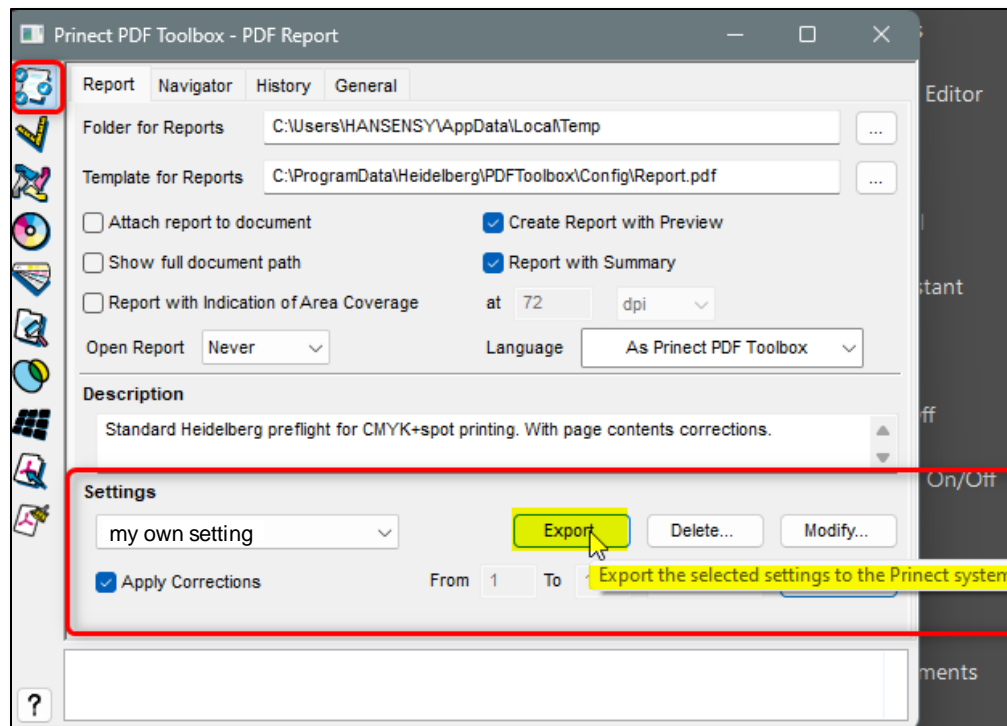
PDF Toolbox in Prinect environment

- ▶ Can access and edit color tables in Prinect



PDF Toolbox in Prinect environment

► Export of Preflight settings directly to the Prinect system



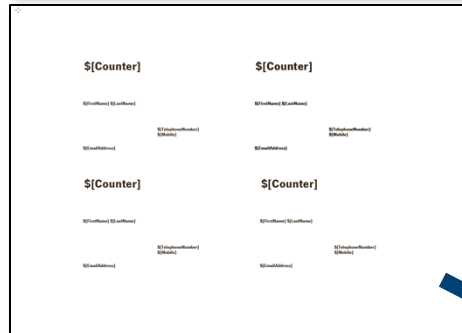
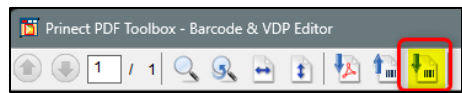
PDF Toolbox in Prinect environment

How does the toolbox help you with recurring / periodical orders?



PDF Toolbox in Prinect environment

► VDP Editor provides marks template for dynamic marks



Quality (Quality)

- Hotfolder: on AllHotfolders
- Prinect Archiver Pro: on ContentSystem
- Normalizing: on AllNormalizers

Document | Pages / 1ups | Images | Fonts | Advanced

Document

- Override Settings from Document Compatibility: Acrobat 7.0 (PDF 1.6)
- Add Settings as PDF Comment
- ASCII Format

PDF + PDFVT

- Maximum number of pages per PDF: 2 (Amount of pages)
- When Maximum Number is Exceeded:
 - Cancel with error
 - Convert PDF to PDFVT
- Number of Pages per Record: 1

IVDP

- Use IVDP Template: \\kie-c3fs1\Kundendaten\Sytle1_PDFs\PDF_PDF-VT\Prinect_Normalizer\Markslayer_Visitenkarte.pdf
- Use CSV Table from Folder: \\kie-c3fs1\Kundendaten\Sytle1_PDFs\PDF_PDF-VT\Prinect_Normalizer
- Delete CSV Table after Use
- Generate PDFMT from IVDP
- Number of Records: 1000



\$[Date] by Heidelberg

07.01.2025 by Heidelberg

Golf, Golf GTI, Golf GT

Name	PDF-Format
Assign Count: Not Assigned 1st (0 2)	
180861_180861_BA_Golf7_5G001272...	PDF 1.6
180861_180861_BA_Golf7_5G001272...	PDF 1.6

Name	PDF-Format
Zuordnungszähler: Nicht zugeordnet (0 1)	
Base PDF Step & Repeat.pdf	PDF 1.6 (PDFVT)

1 16 8

ents 1ups Imposition Digital Printing

Documents

- Base PDF Step & Repeat.pdf (500)
 - Record 1
 - Record 2
 - Record 3
 - Record 4
 - Record 5
 - Record 6
 - Record 7

Did you know?

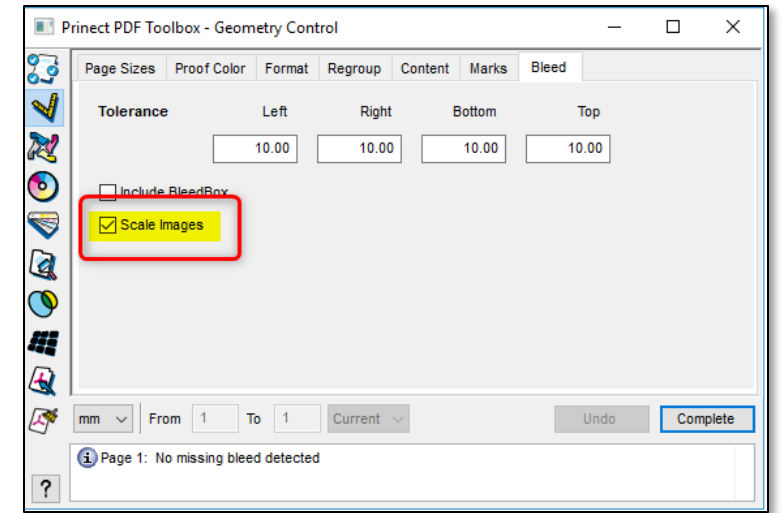
News – improvement for replenish bleed

“Scale images” scales *all* images without bleed

Where: Geometry Editor/Preflighter



When: MSX 21.10.44 (TBX 21.10.58) / CR (>TBX 061)

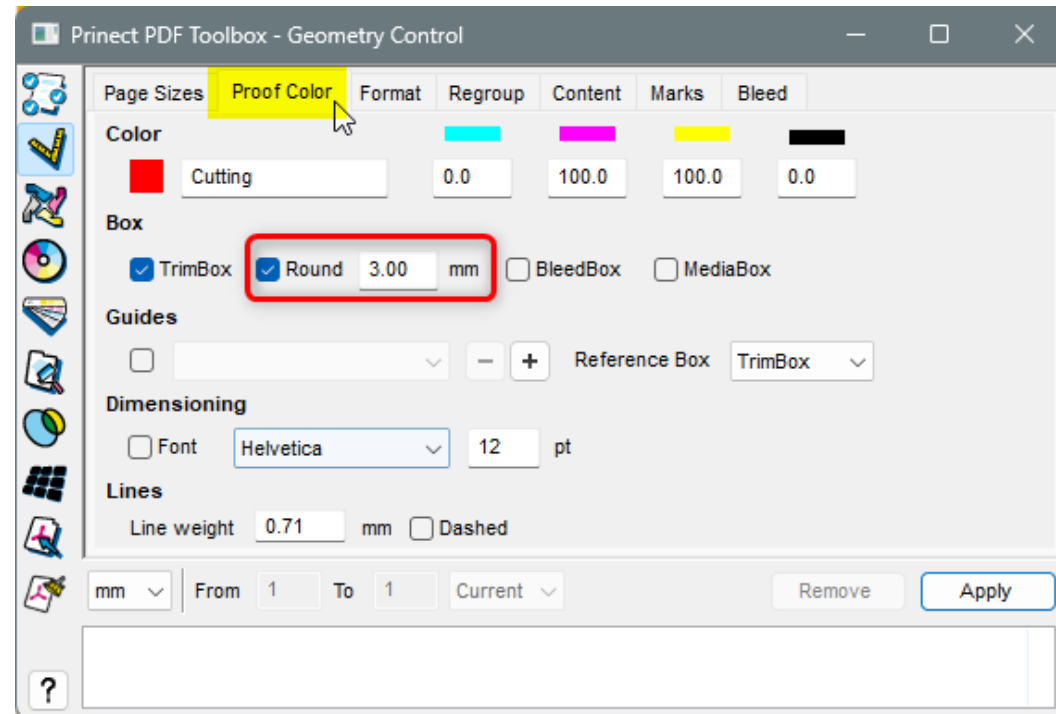


News – Improvement for Label production

Creating Diecut for simple labels

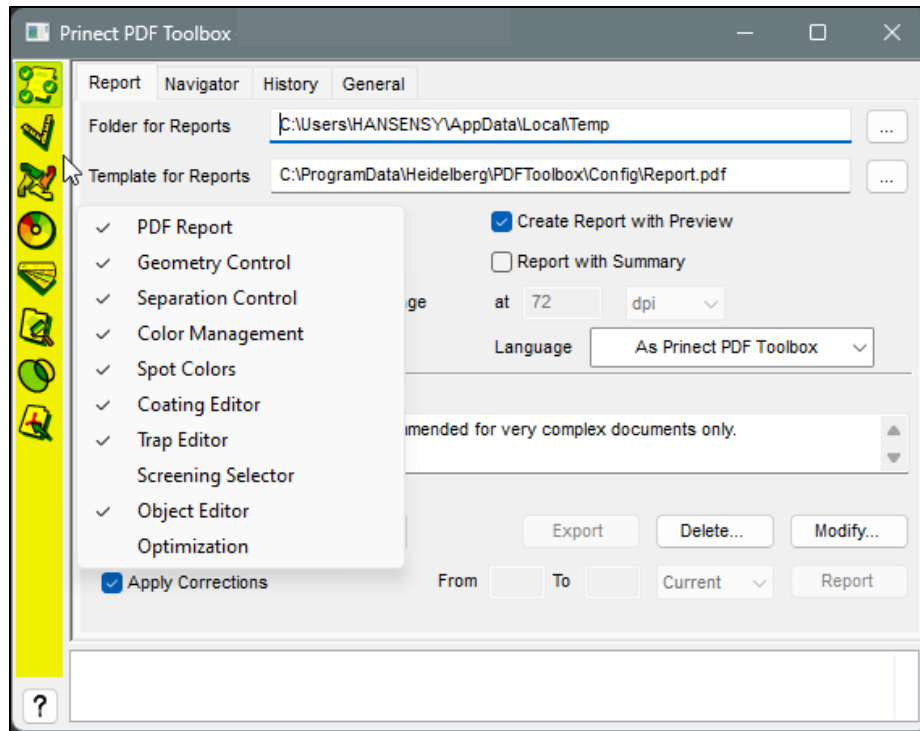
Where: Geometry Editor

When: MSX 21.10.44 (TBX 21.10.58) / CR (>TBX 061)



Did you know?

► ...that you can customize the toolbar?



Did you know?



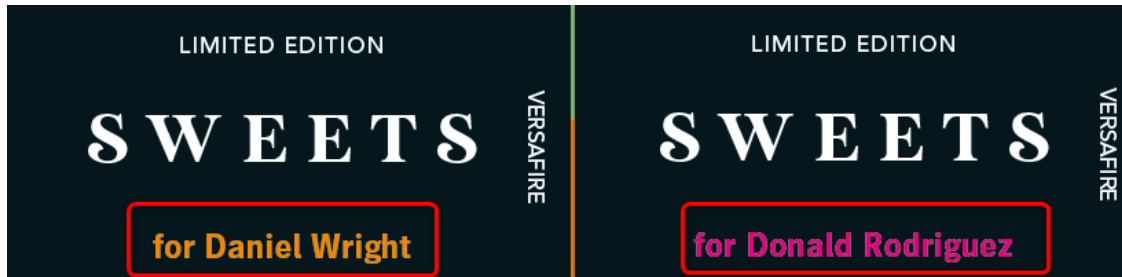
“How does that work again?”




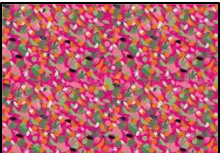
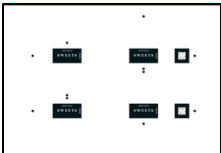

- ▶ Random color variations of frames and texts
- ▶ Design variations by random image tiles



What do we want to do?

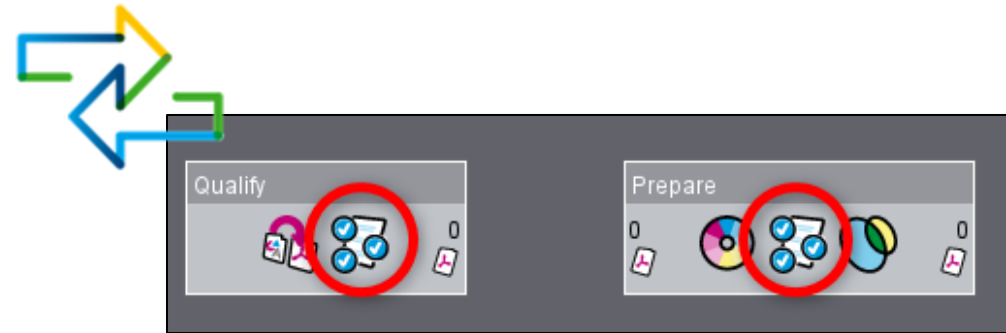
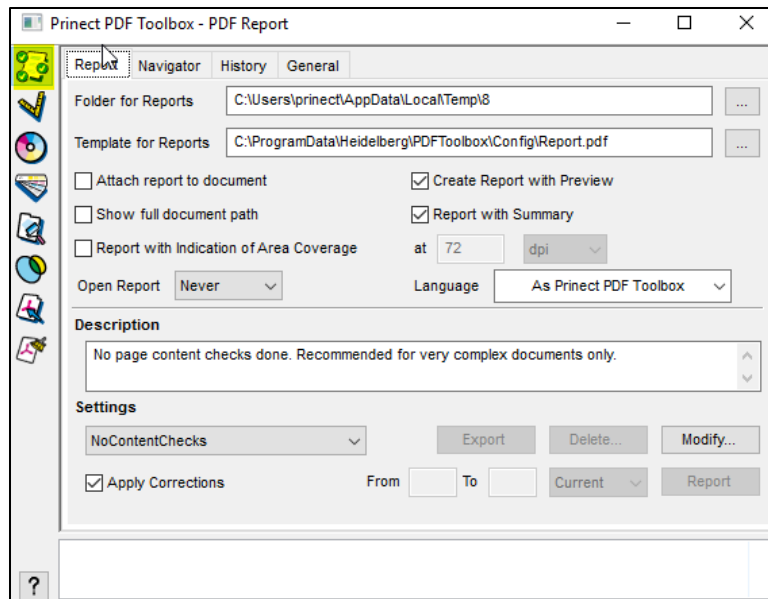


What do we need?

- ▶  empty PDF page
- ▶  background (PDF, JPG)
- ▶  Design with knockouts for the background
- ▶  CSV (optionally)

What does the Preflighter actually do?

- ▶ Check and optionally correct



Did you know? – What does the Preflighter actually do?

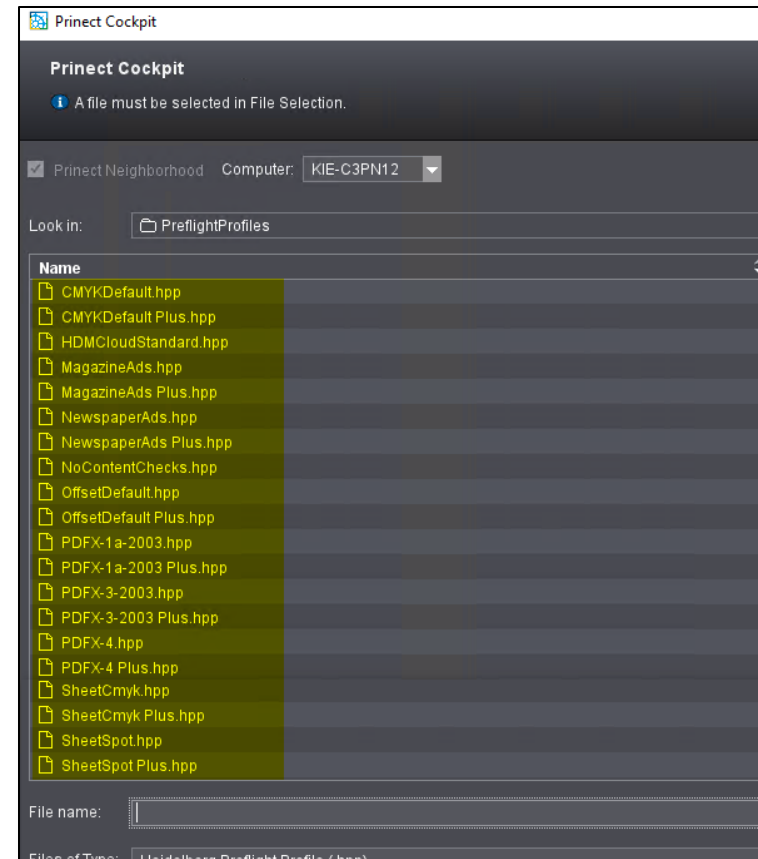
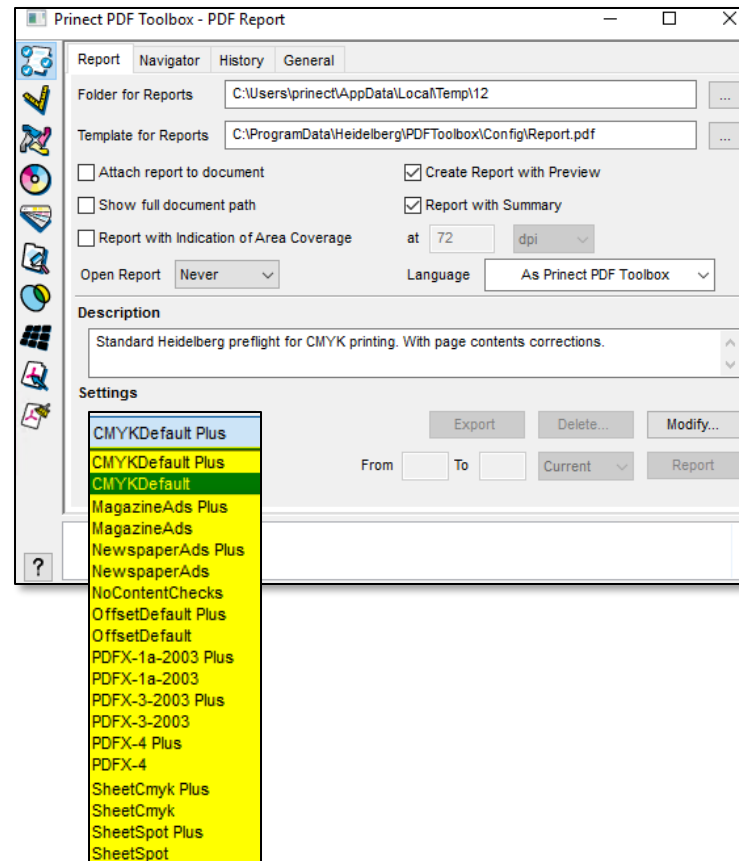
▶ Check and optionally correct

19 settings + 1 „no content check“



Settings according to *Ghent Workgroup* specification:

- Newspaper Ads
- Newspaper Ads Plus
- Magazine Ads
- Magazine Ads Plus
- Sheet CMYK
- Sheet CMYK Plus
- Sheet Spot
- Sheet Spot Plus



Did you know? – What does the Preflighter actually do?

- ▶ Check and optionally correct
- ▶ Collects information from the PDF

- **Which application created the PDF?** (“InDesign, CorelDraw, ...”)
- **Who created the PDF and when?** („Acrobat Distiller xy, Corel PDF Engine...”)
- **How big is the Trimbox / Mediabox?** (“210 x 297mm”)
- **PDF Version** (“PDF1.6”)
- **PDF/X Version** (“PDF/X-4”)
- **Output Intent** (“Iso coated v2”)
- ...

Document overview

File name: 5c_MLS_FLS_Zitrovital.pdf
 Title: 5c_MLS_FLS_Zitroval_DRUPA+CAD
 Application: Adobe InDesign CC 2015 (Macintosh)
 Producer: Adobe PDF Library 15.0
 Author: -
 Created on: 03/04/2016 11:05:42 AM
 Date Modified: 12/10/2024 11:00:40 AM
 File Size: 8.2 MByte / 8444.0 KByte
 Trapped: No
 Output Intent: ISO Coated v2 (ECI)
 PDF/X Version: -
 PDF Version: 1.6
 Number of pages: 1
 MediaBox: 272.58 x 236.08 mm
 TrimBox: 252.00 x 215.50 mm

Summary	✖ Error	⚠ Warning	✔ Corrected	ℹ Info
📄 Document	-	-	-	-
📄 PDF/X	-	-	-	-
📄 Pages	-	-	-	-
📄 Colors	-	-	-	-
📄 Fonts	-	-	-	-
📄 Images	-	-	-	-
📄 Content	-	-	-	-

Prinect PDF Report 21.10.061 - 1 - 01/03/2025 08:25:30 AM

Did you know? – What does the Preflighter actually do?

- ▶ Check and optionally correct
- ▶ Collects and delivers information from the PDF

- ...
- **Page Colors** (“CMYK, Sonderfarbe, Varnish,...”)
- **Trimbox Offset** (“210 x 297mm” / “18,5 x 18,5”)
- **Knockout Colors** (“All”, “-”)
- **Scale** (“0/90/180/270”)
- **Rotation** (“0/90/180/270”)

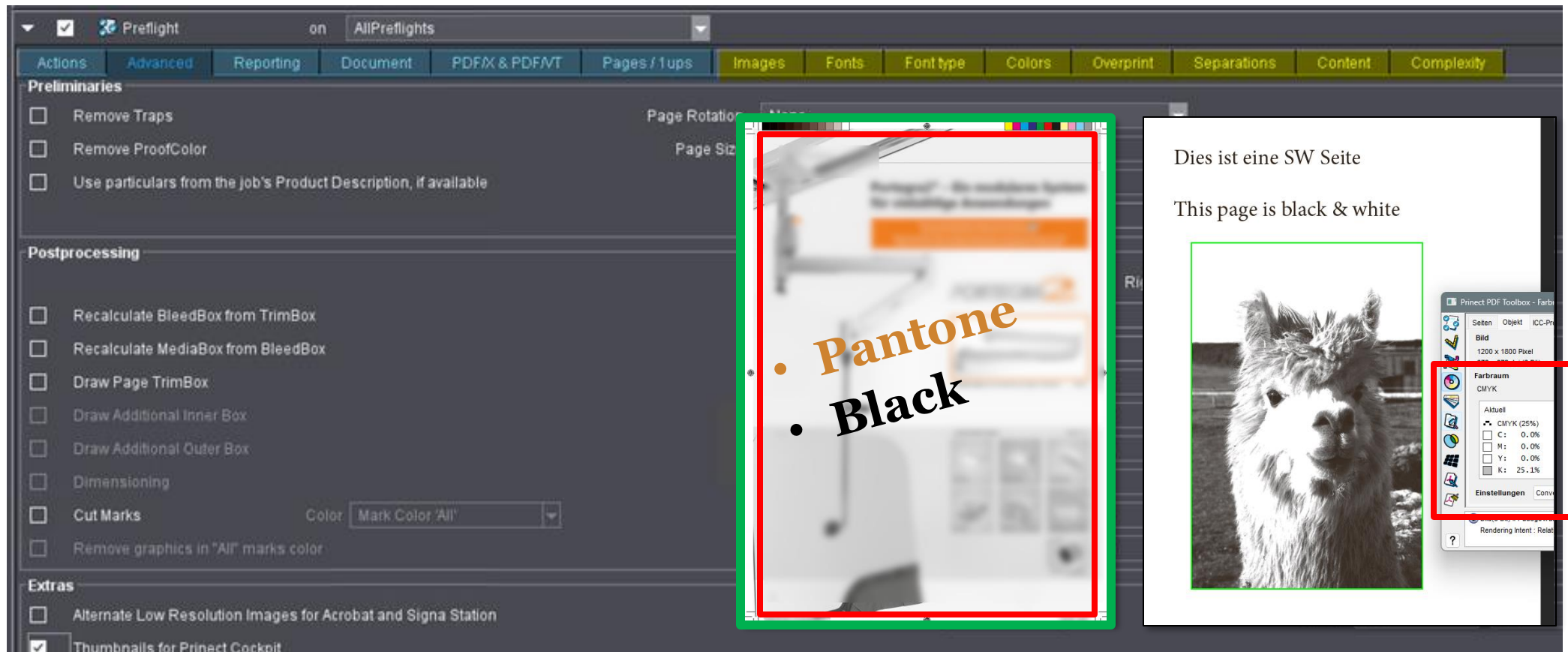
Document overview	
File name:	5c_MLS_FLS_Zitrovital.pdf
Title:	5c_MLS_FLS_Zitroval_DRUPA+CAD
Application:	Adobe InDesign CC 2015 (Macintosh)
Producer:	Adobe PDF Library 15.0
Author:	-
Created on:	04.03.2016 11:05:42
Date Modified:	10.12.2024 11:00:40
File Size:	8.2 MByte / 8444.0 KByte
Trapped:	Nein
Output Intent:	ISO Coated v2 (ECI)
PDF/X Version:	-
PDF Version:	1.6
Number of pages:	1
MediaBox:	272.58 x 236.08 mm
TrimBox:	252.00 x 215.50 mm

Name	Page Colors / 1up Colors	Knockout Colors	PDF Format	TrimBox Offset	TrimBox	Rotation	Scale	MediaBox	Type
Assign Count : Not Assi... (0 3)									
5c_MLS_FLS_Zitrovital.pdf	CMYK,CFF2-Cutting,Embo...		PDF 1.6	10.3 / 10.3 mm (Trim...	252.0 x 215.5 mm	0	100.0 / 100.0 %	272.6 x 236.1 mm	Comp
01 Original_ATS2_Visual_...	CMYK,Orange	All	PDF 1.6	8.3 / 8.3 mm (TrimBox)	420.0 x 297.0 mm	0	100.0 / 100.0 %	436.6 x 313.6 mm	PDF/X-4

Did you know? – What does the Preflighter actually do?

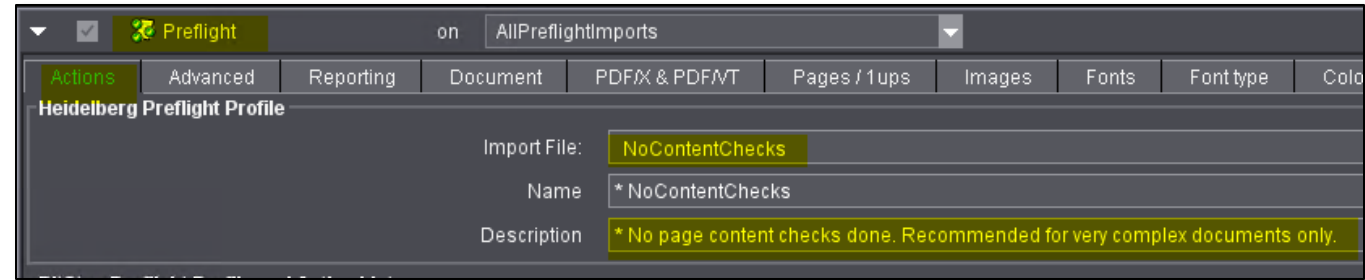
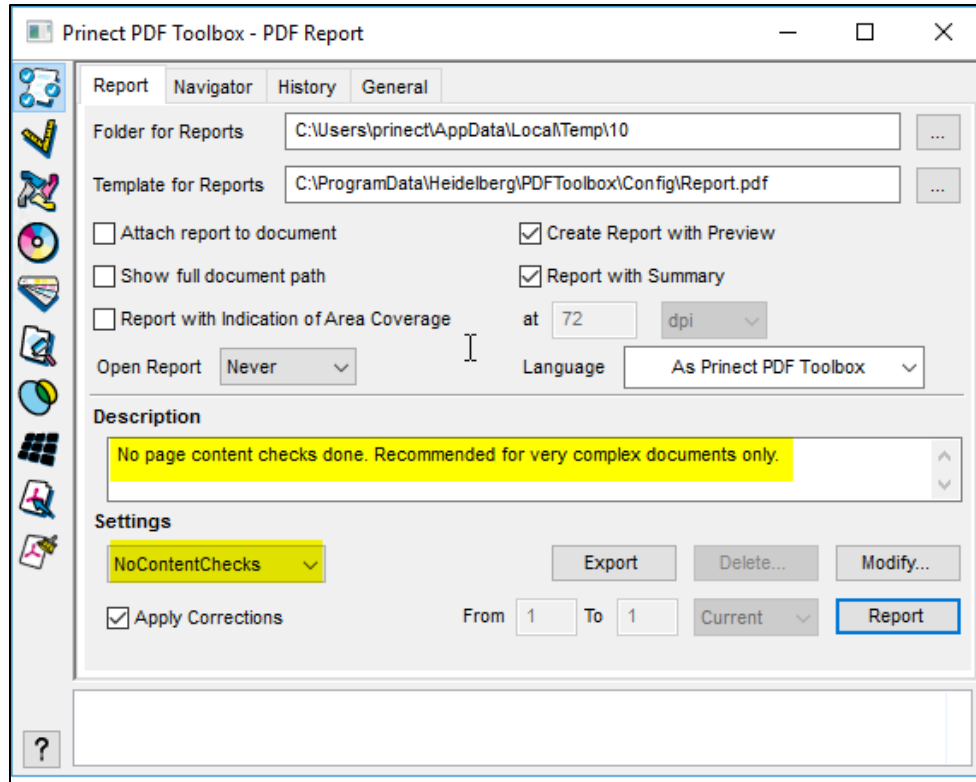
► Collects and delivers information from the PDF

- What colors are present inside the trim box?
- What separations “paint” in images?



Did you know? – Preflight hint

- ▶ Special case: profile “no content checks”



Did you know? – Preflight hint

- ▶ Special case: profile “*no content checks*”
= Performance setting of Preflight in Qualify = does not check the content!

The screenshot shows the Heidelberg Preflight dialog box with the following settings:

- Preliminaries:**
 - Remove Traps
 - Remove ProofColor
 - Use particulars from the job's Product Description, if available
 - Page Rotation: None
 - Page Size: Original (6.35 x 6.35 mm)
 - Scale: 100.0 x 100.0 %
 - ± X/Y: 0.0 mm
- Postprocessing:**
 - Recalculate BleedBox from TrimBox
 - Recalculate MediaBox from BleedBox
 - Draw Page TrimBox
 - Draw Additional Inner Box
 - Draw Additional Outer Box
 - Dimensioning
 - Cut Marks (Color: Mark Color 'All')
 - Remove graphics in "All" marks color
 - Margins: Left: 0.0 mm, Right: 0.0 mm, Bottom: 0.0 mm, Top: 0.0 mm
 - Line weight: 0.08819 mm
 - Offset to Page TrimBox: 0.0 mm
 - Font: Helvetica, 10.0 pts
 - Offset to Page TrimBox: 2.82222 mm
 - Line weight: 0.08819 mm
 - Length: 8.46667 mm
- Extras:**
 - Alternate Low Resolution Images for Acrobat and Signa Station
 - Thumbnails for Prinect Cockpit
 - Overviews for Prinect Business Manager and Prinect Portal
 - Subsample to: 72.0 dpi
 - If above: 108.0 dpi

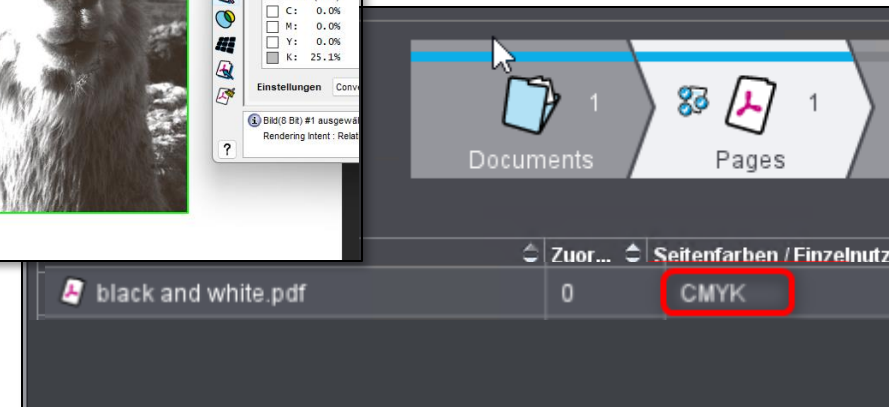
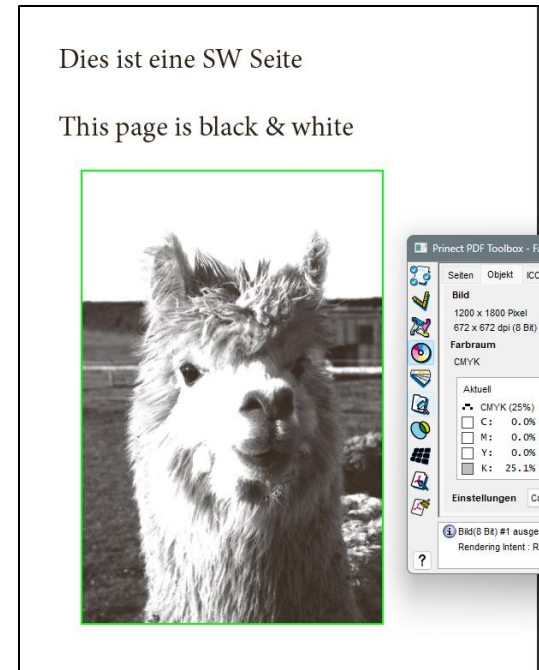
Did you know? – Preflight understood



“I have the wrong colors in the cockpit”



Assi...	Page Colors / 4up Colors
FLO230815-2_Portfolio-DE.pdf - 06	0 CMYK,Pan1505 EC
FLO230815-2_Portfolio-DE.pdf - 07	0 CMYK,Pan1505 EC
FLO230815-2_Portfolio-DE.pdf - 08	0 CMYK,Pan1505 EC
FLO230815-2_Portfolio-DE.pdf - 09	0 CMYK,Pan1505 EC
FLO230815-2_Portfolio-DE.pdf - 10	0 CMYK,Pan1505 EC



Did you know? – Preflight understood



“I have the wrong colors in the cockpit” and I know why...

- ✓ Is my Preflighter enabled in Prepare after I changed colors?
- ✓ Did I enable a content check? (at least 1 content check enabled in the last 8 tabs)?
- ✓ Did I use the profile "no content checks"?

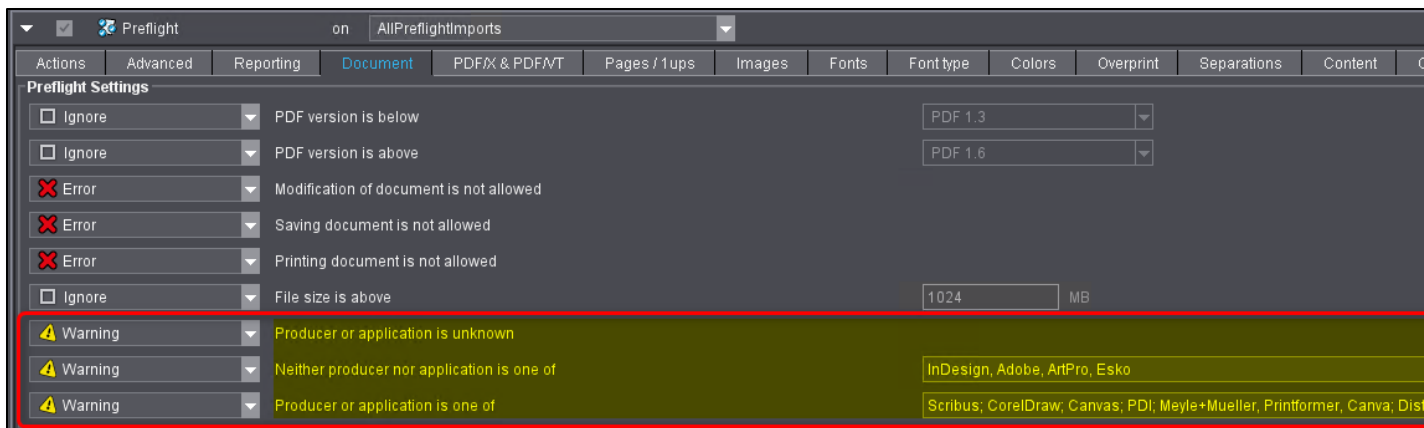
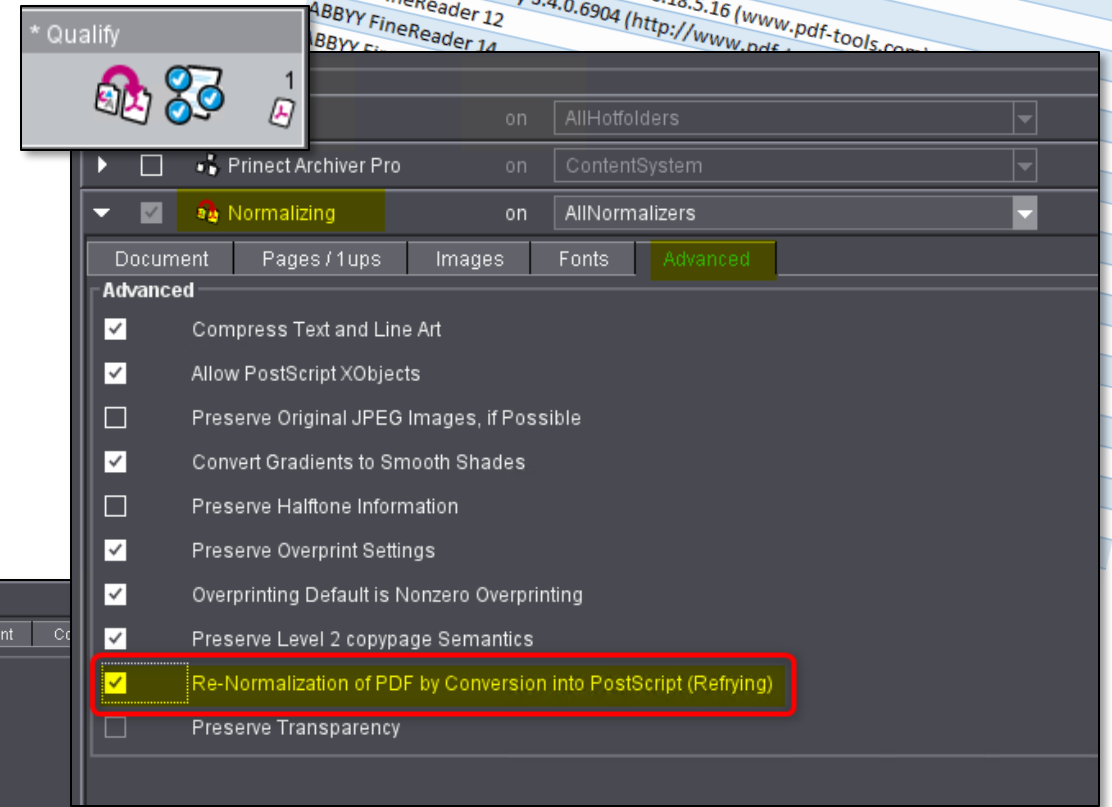
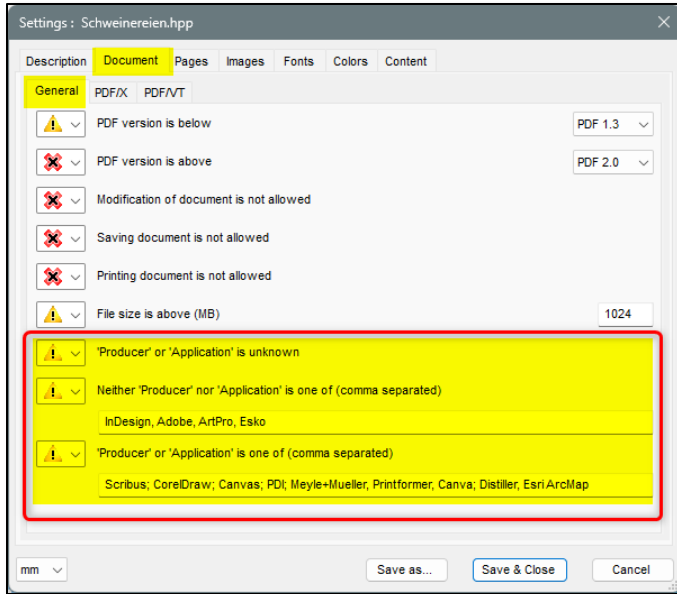


Preflighter: the tool for healing

- ▶ Thousands of anchor points in a path
- ▶ Design with Java Script, comments, stamps or forms
- ▶ Illegal structures
- ▶ Unclean PDF
- ▶ Hidden objects
- ▶ Exotic PDF generators or
- ▶ Ancient applications
- ▶ “Wild design”

Preflighter: the tool for healing

▶ 3 checks for Application and PDF creator



Application: Adobe PDF Library 17.0

MultiAd Creator Server 3.0

Survey



Thank you for your attention!