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# PDF-Toolbox

## Mastering PDF Workflows
## An Overview of Prinect PDF Toolbox and PDF Engines

Sylke Hansen, Hendrik Rintermann | Thursday 3:30-4:00 Uhr | 5:30-6:00

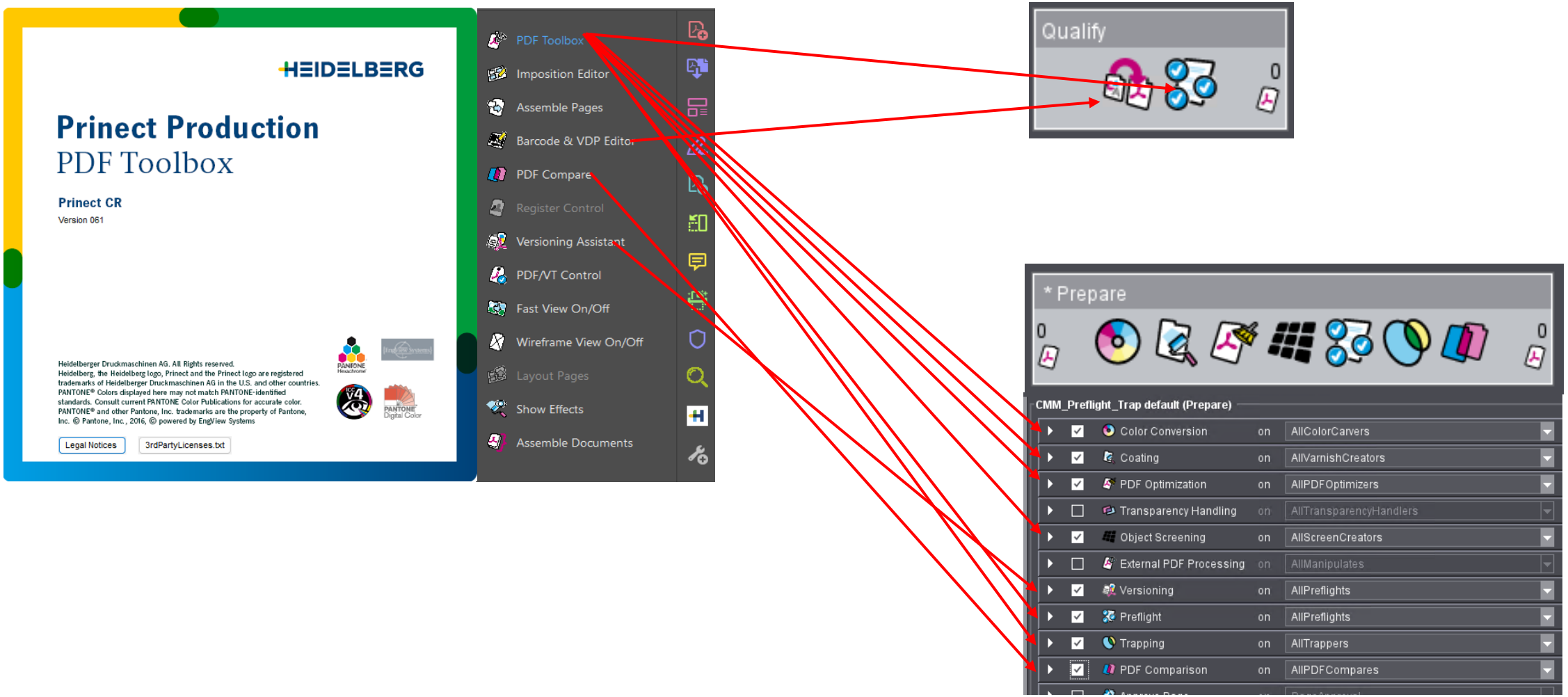
PRINECT
USER DAYS

# This years content

- What’s new in PDF Toolbox/PDF Engines?

- Did you know?
  - Colors and Types
  - Trapper

# PDF Toolbox + PDF Engines = PDF Processing



# Latest developments in PDF Toolbox/PDF Engines

# What´s new?

Mediaset 55.00.11:

- **PDF Toolbox**: MacOS 26 (Tahoe)

Mediaset 55.00.13:

- **PDF Engines:** Adobe PDF Lib21 & Enfocus Lib 2025

# What´s new?

How to… please click

**Barcode & VDP Editor** Mediaset 55.00.9/PTB#64:

- Digital franking Deutsche Post

# DV Freimachung Deutsche Post

**Details**

| Published | Product | Component | Version | Jira |
|---|---|---|---|---|
| *14.03.2025* | PDF Toolbox | *VDP Editor* | CR55.00.9 /PTB064 | ~~PD-288465~~ - VDP-Editor: DataMatrix Barcode für DV Freimachung DeutschePost RESOLVED |

**Details**

**This affects Digital customers printing “Dialogpost”**

“Dialogpost” mailings must be provided with a computer franking from 1 June 2025 in Germany.

Data processing franking (DV franking) is a method for electronic payment of postal fees for large customers.
With digital franking, all posting documents, the fee statement, and the shipping schedule are created electronically at the same time.

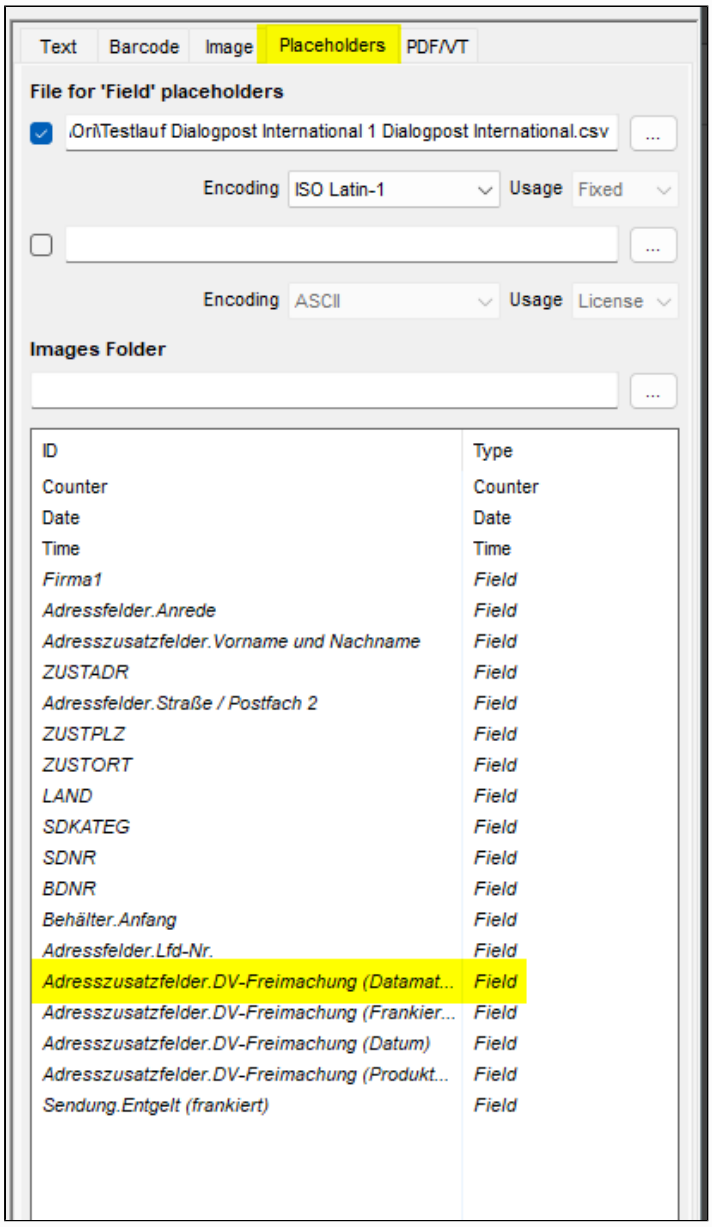
Products like this:

The customer receives a CSV file from the German Post Office with an 84-digit value that must be converted into a DataMatrix code.

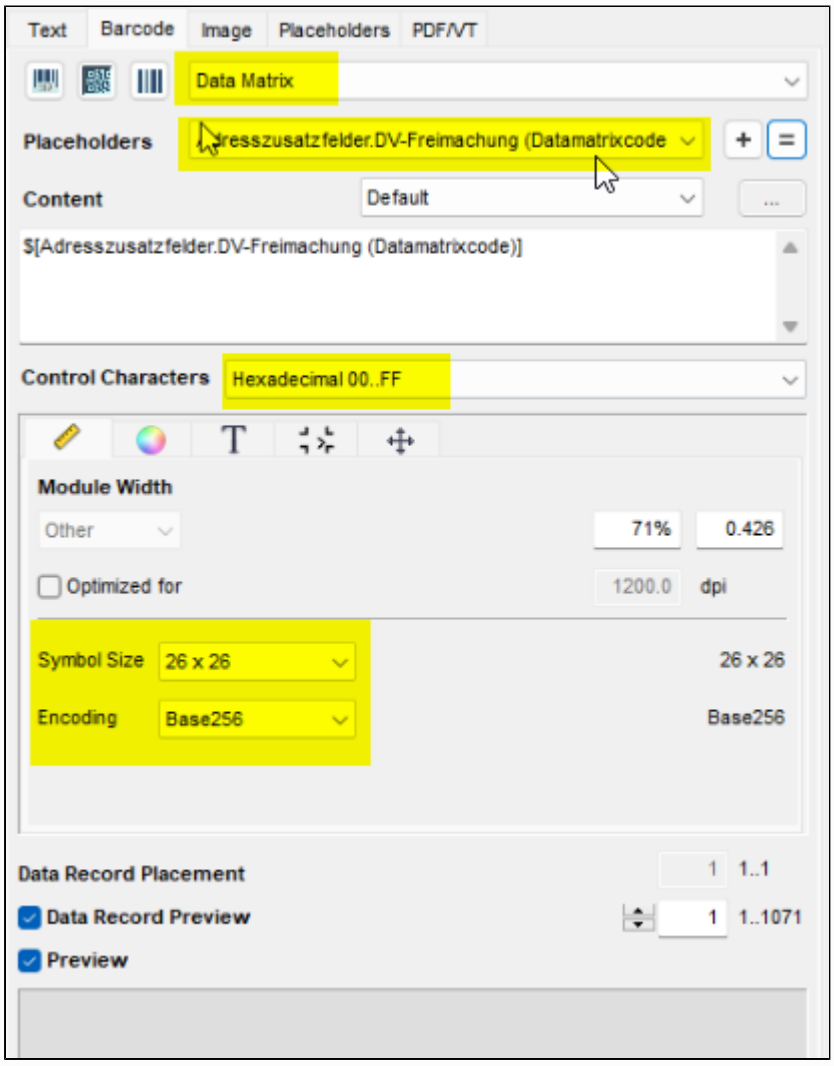
| M | N |
|---|---|
| sfelder | Adresszusatzfelder.DV-Freimachung (Datamatrixcode) |
| 04 | 4445411239016A06EF80004F1C9D755E0000040200010020202020202020202020202020202020202020202 |
| 05 | 4445411239016A06EF80004F1C9D755E0000050200010020202020202020202020202020202020202020202 |
| 06 | 4445411239016A06EF80004F1C9D755E0000060200010020202020202020202020202020202020202020202 |

Concerns Machine processing and capture of data matrix codes. Various printing processes are available for printing Data Matrix codes and linear codes. When using a printing process, certain conditions must be observed to achieve the print quality required by Deutsche Post AG.
e.g Symbol Size 26x26 and Encodung Base 256. This can be set in VDP Editor.

Select the CSV file in tab ->Placeholder:




Besides all the other dynamic placeholders choose the DV Freimachung (84-digit value) as content of the Data Matrix Code and select Symbol Size and Encoding according the needed specifications:



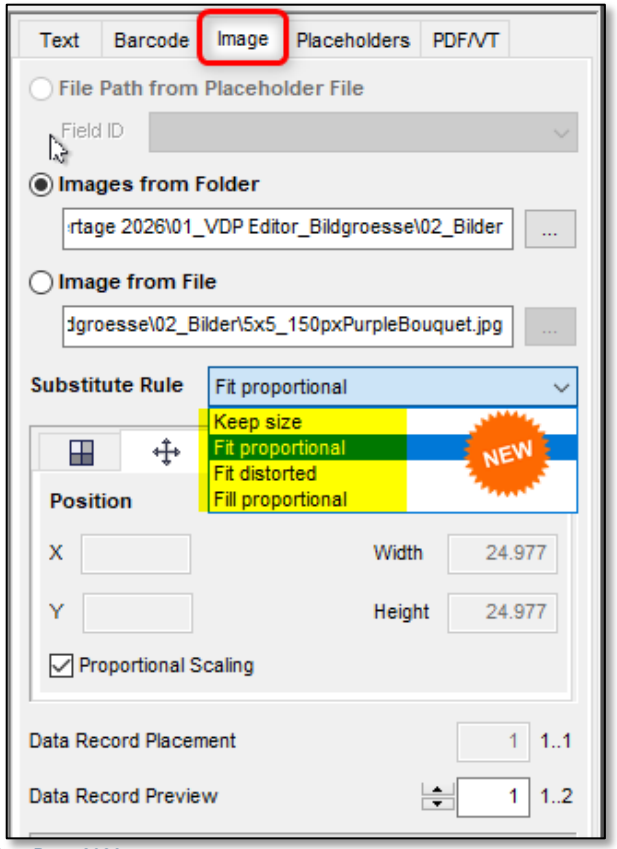

**Checked by Deutsche Post AG:** The matrix code and Frankier-ID are correct and up-to-date.
They comply with the specifications of the "MLFVM Part 2: IT Frankierung, Version 1.5.4 dated December 1, 2022" specification:

Restriction see: VDP Editor: minor issue in preview if more than 39 digits in line of CSV - Support Prinect - HDM Prinect Confluence

# What´s new?

**Barcode & VDP Editor** Mediaset 55.00.13/PTB#72

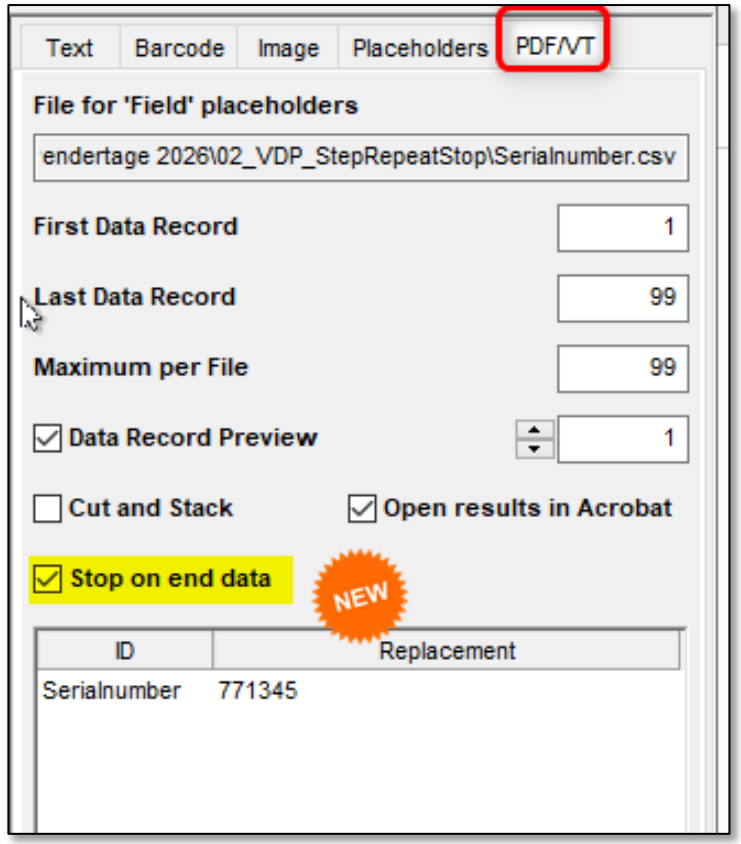
- variable images: fit images to a frame

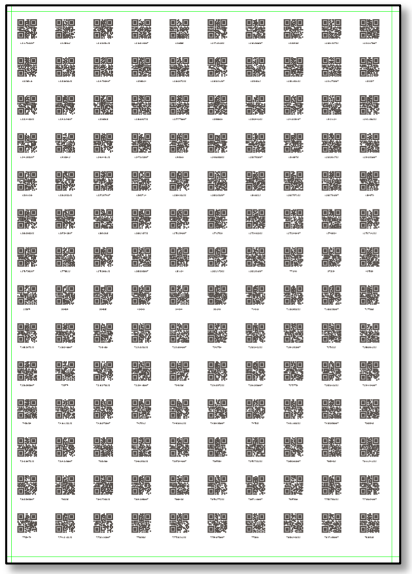


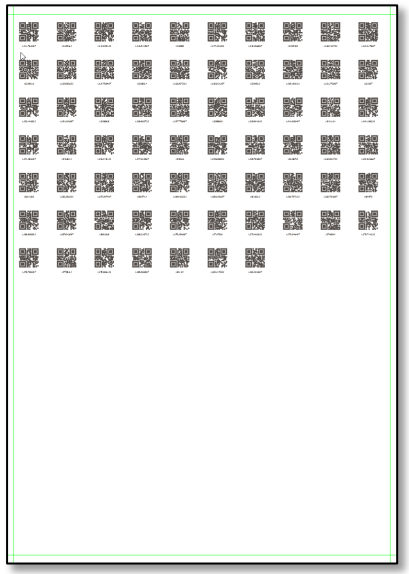
# What´s new?

**Barcode & VDP Editor** Mediaset 55.00.13/PTB#72:

- step & repeat: *„stop on end data“*



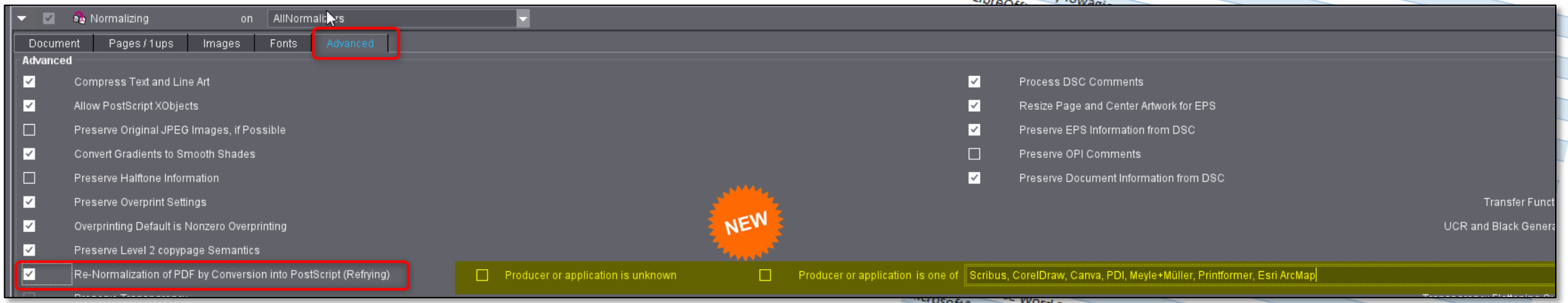




# What´s new?

**Normalizer Engine** Mediaset 55.00.13:

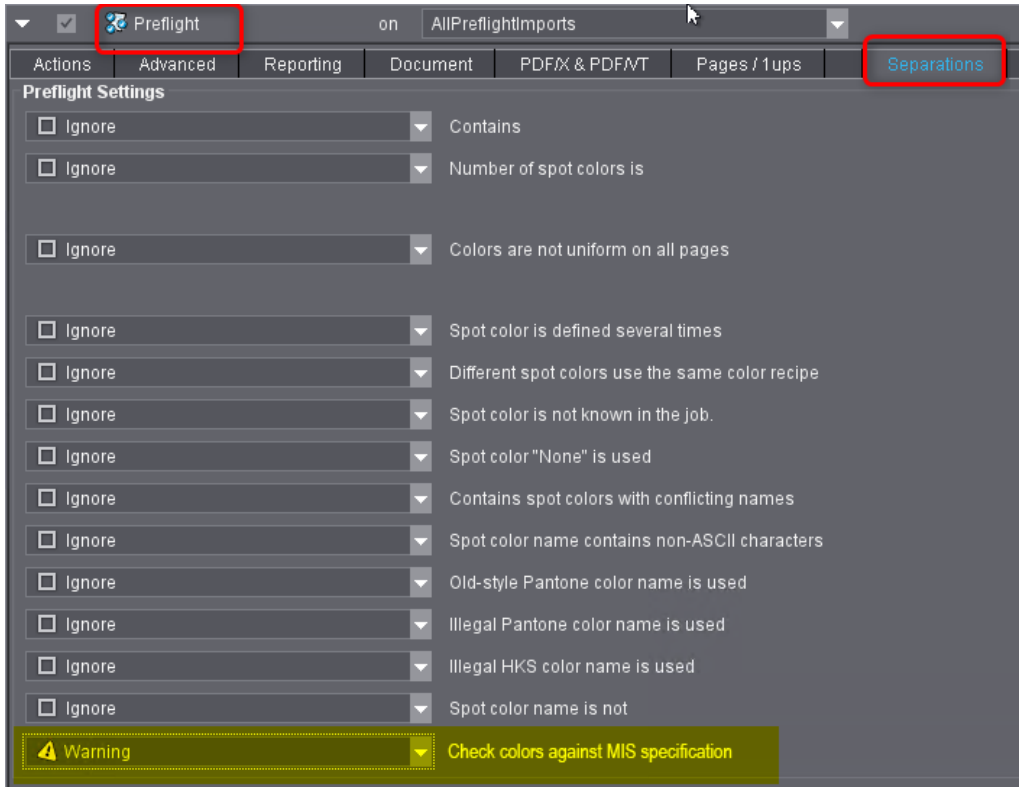
- Writing a new PDF *(Refry)* dependent of PDF producer

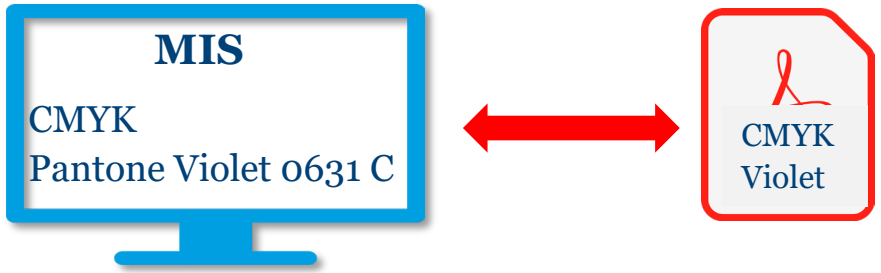


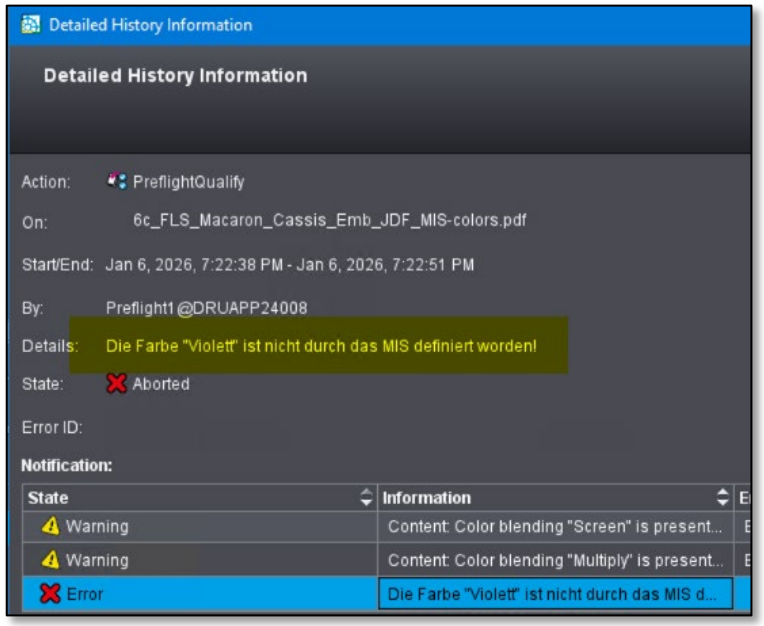
# What´s new?

**Preflighter Engine** Mediaset 55.00.13:

- *„check colors against MIS specification“*



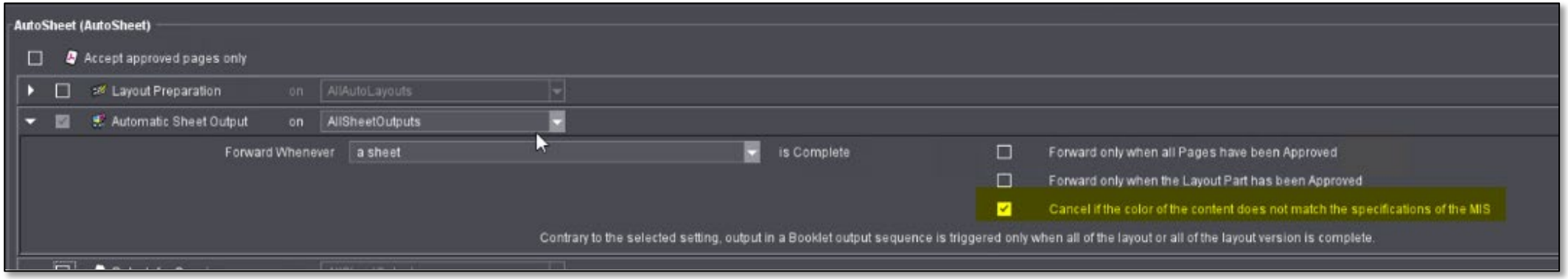



# What´s new?

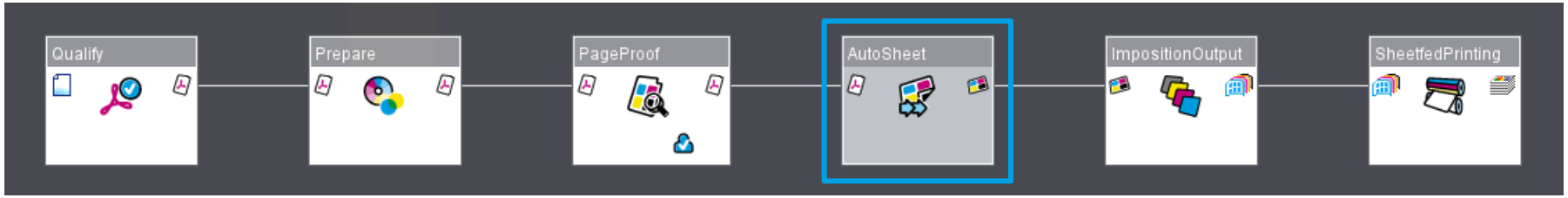
**Autosheet** Mediaset 55.00.10:

- “cancel, if the color of the content does not match the specification of the MIS”



# What´s new?

Automatic sheet forwarding via Autosheet:




**MIS:**

Front

Back

≠

**Prepress:**

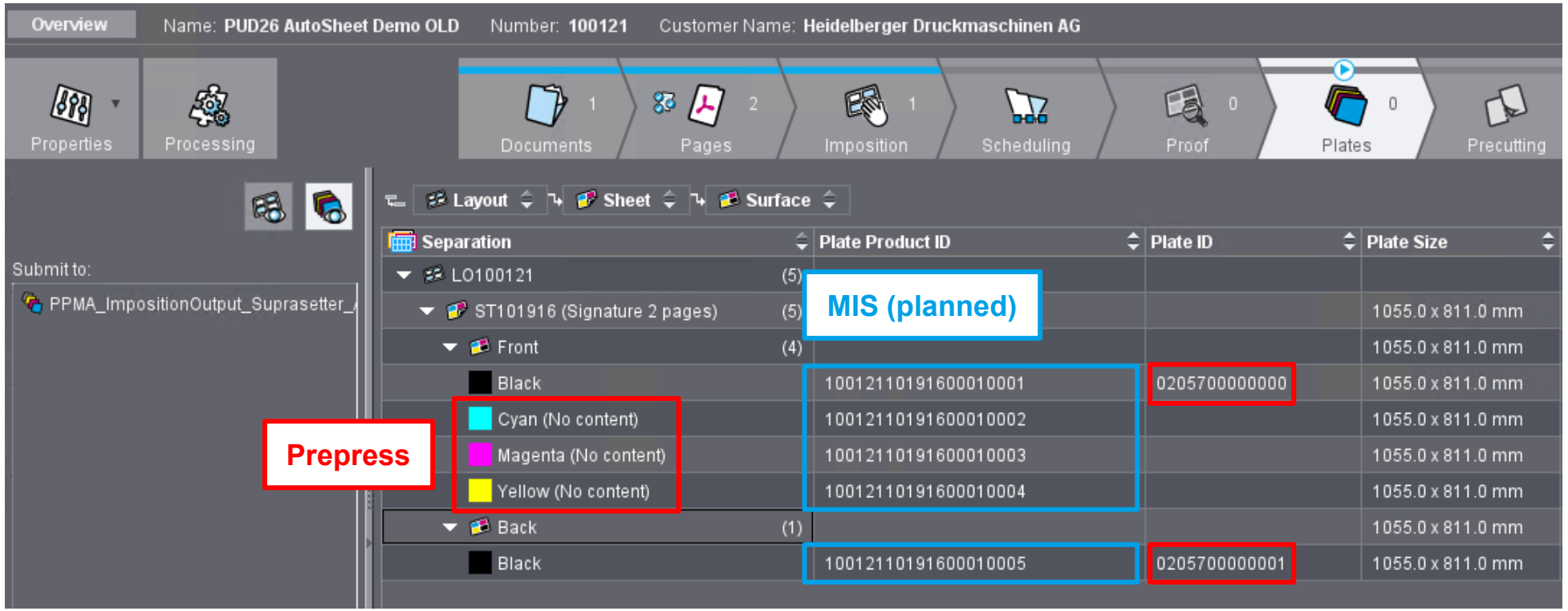
Front

Back

# What´s new?

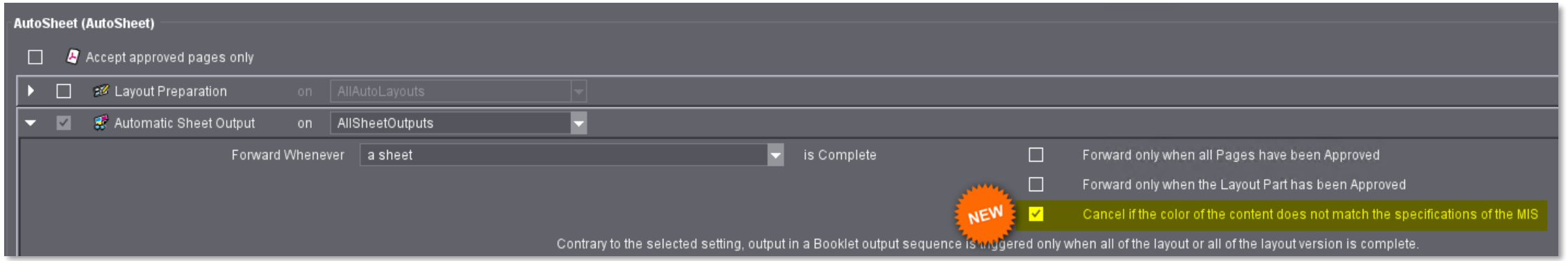
In previous versions, it was not possible to verify sheet colors when automatically forwarding via AutoSheet.

- Result: **Three plates are missing!**

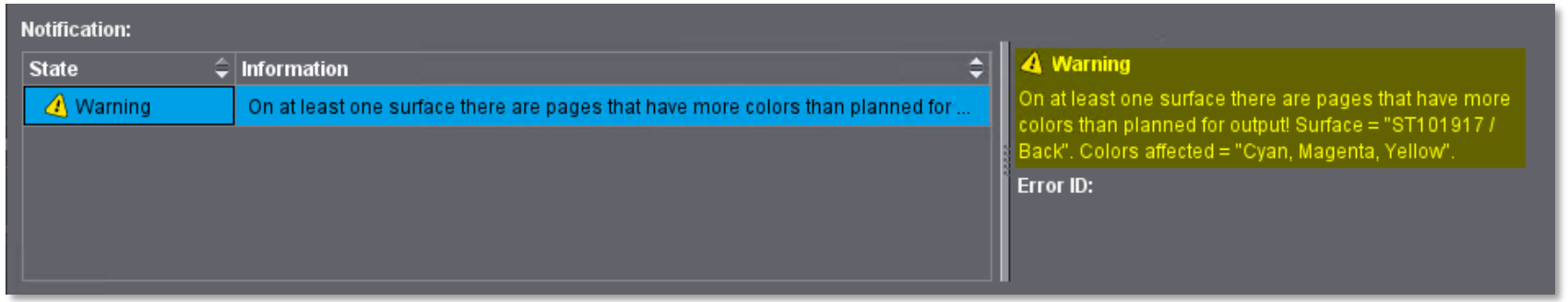


# What´s new?

- *“cancel, if the color of the content does not match the specification of the MIS”*



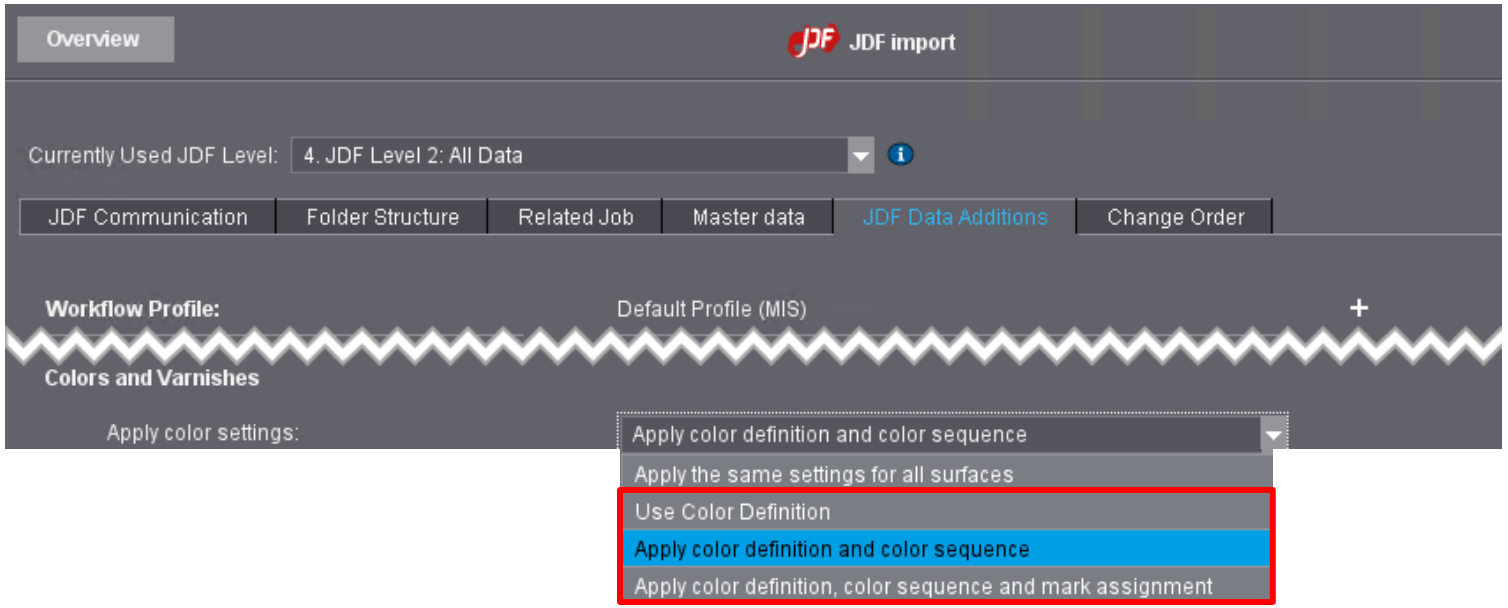

- mismatch?
  Processing is stopped.



# What´s new?

Please note:

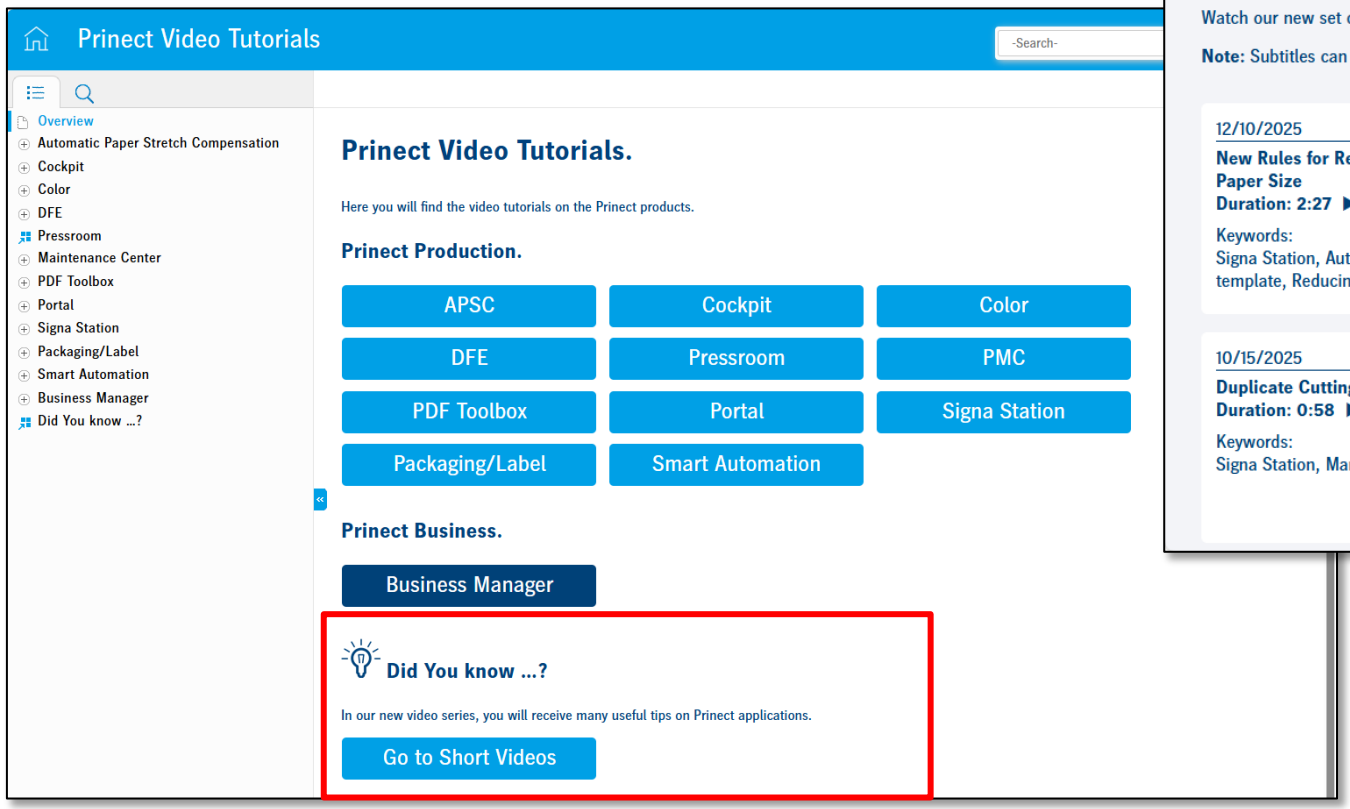
- No checking of **color names** in AutoSheet!
  "*Check colors against MIS specifications*"
- Color definition from the MIS must be overtaken!
  Details: Online help



# What´s new?

**New: Short video** available in the Prinect Onlinehelp!

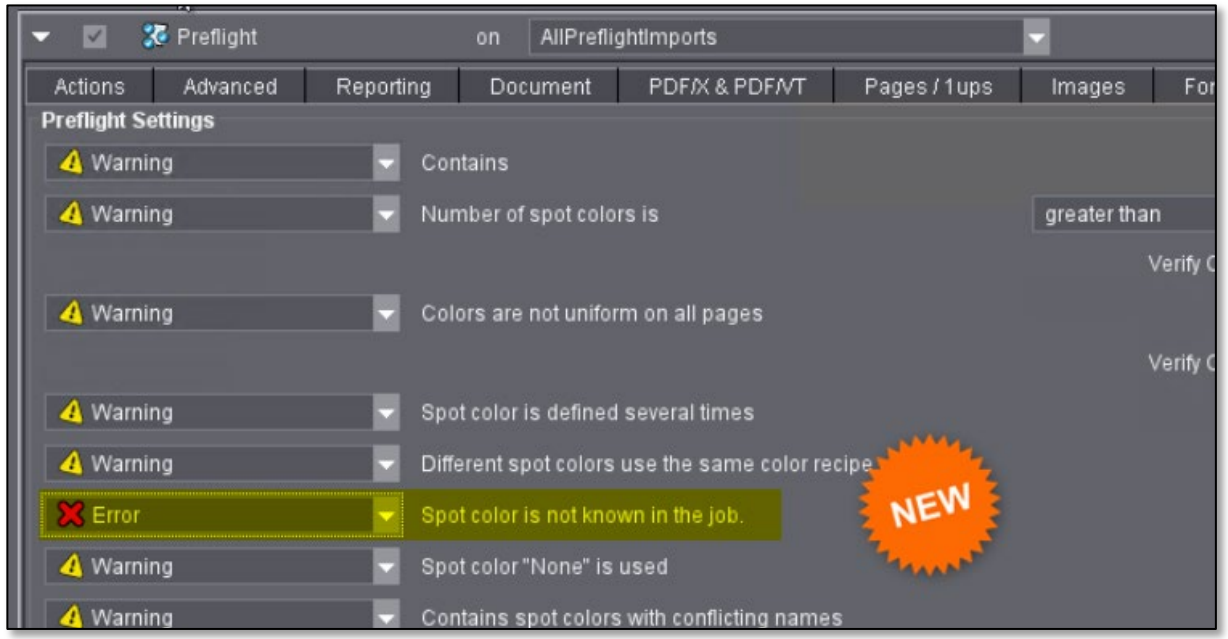
- Prinect Video Tutorials | HEIDELBERG

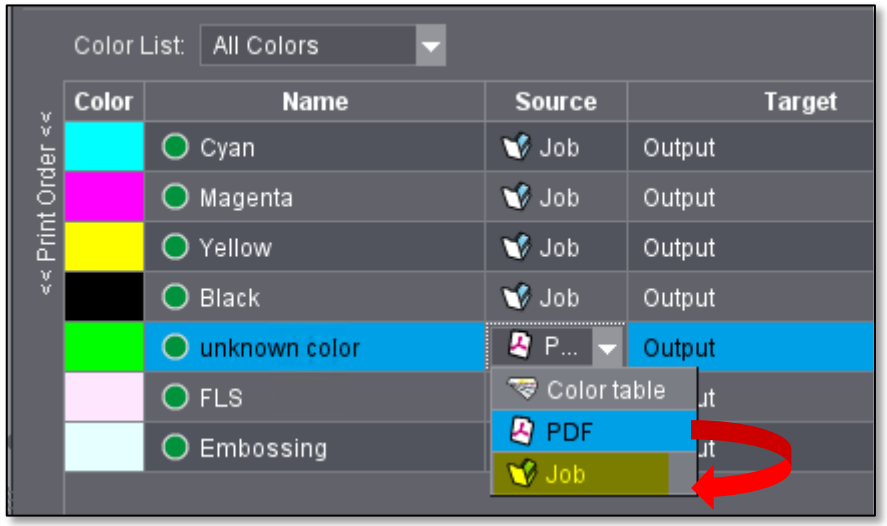


# What´s new?

**Preflighter Engine** Mediaset 55.00.10:

- name and behavour changed:
  *„Spotcolor is not availible in **color tables**“ -> „spotcolor is not known to the **job**“*

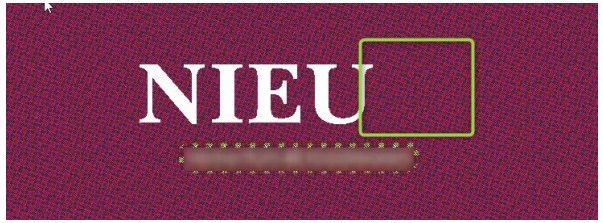


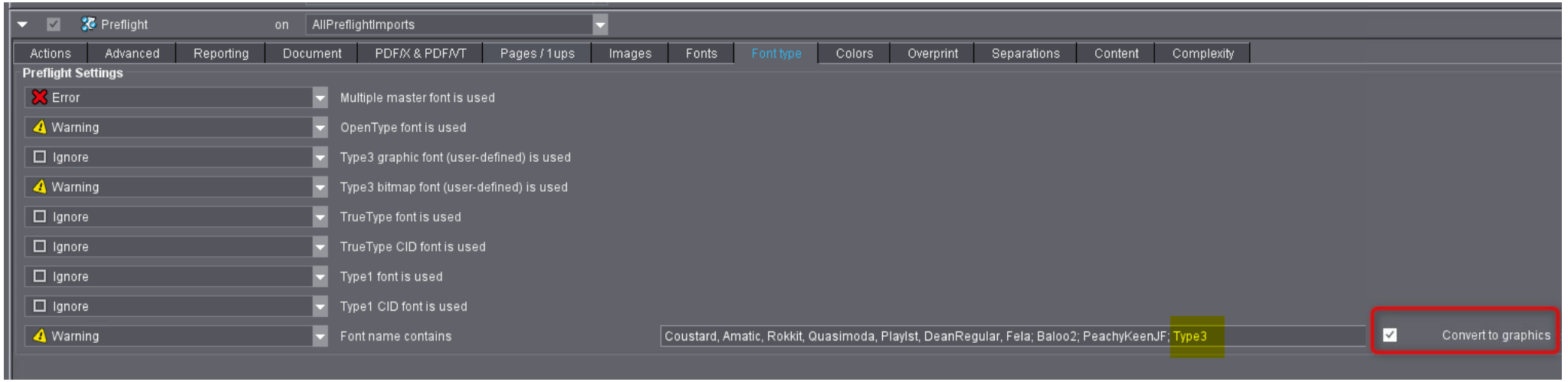



# Did you know?

# Did you know?

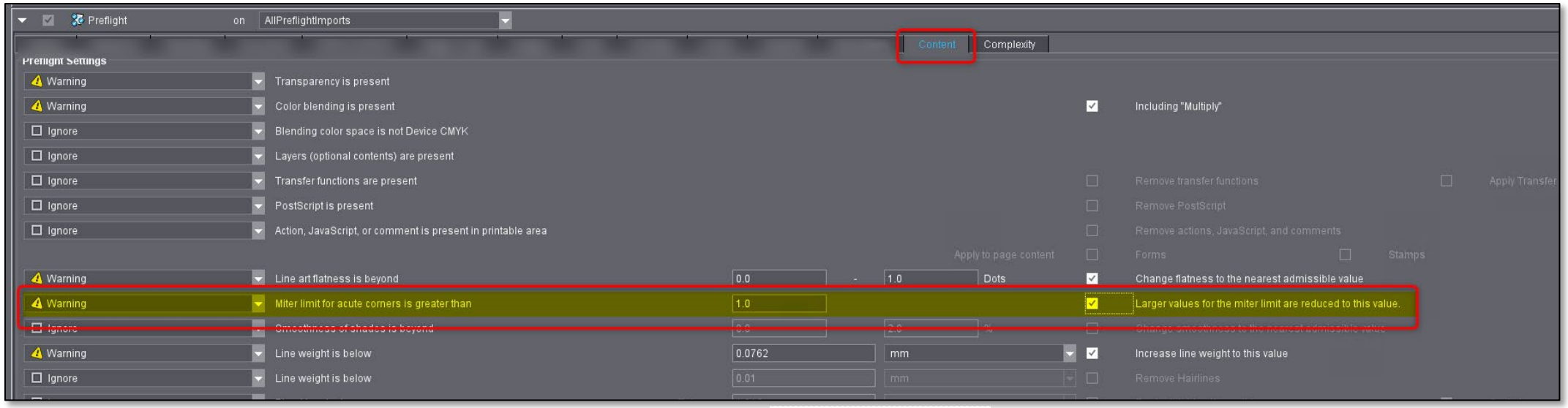
- Missing letters at output

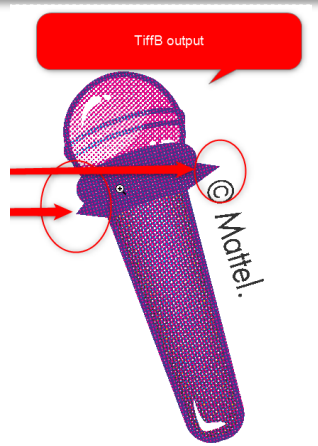


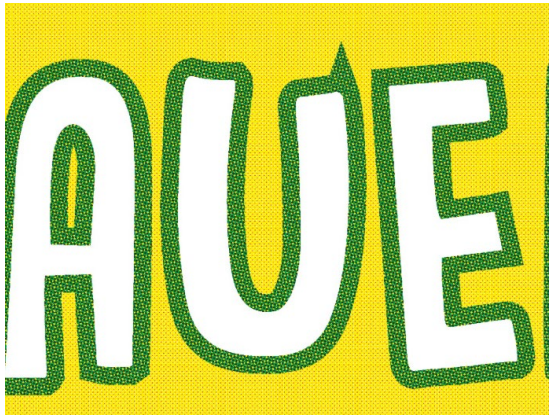



# Did you know?

## What on earth is a Preflight for miter limit?

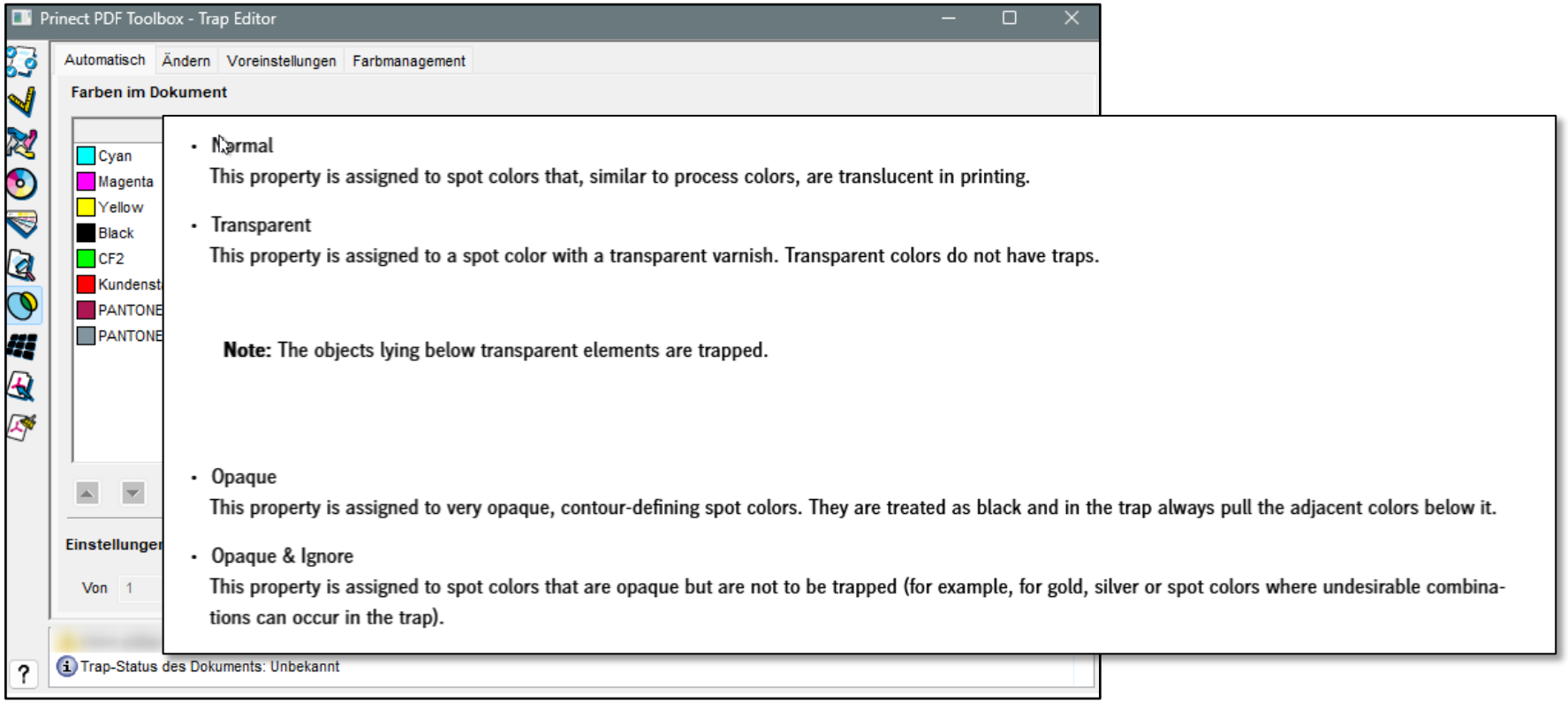




# Did you know?

- Why is my varnish or dieline trapped?



# Colors & Types

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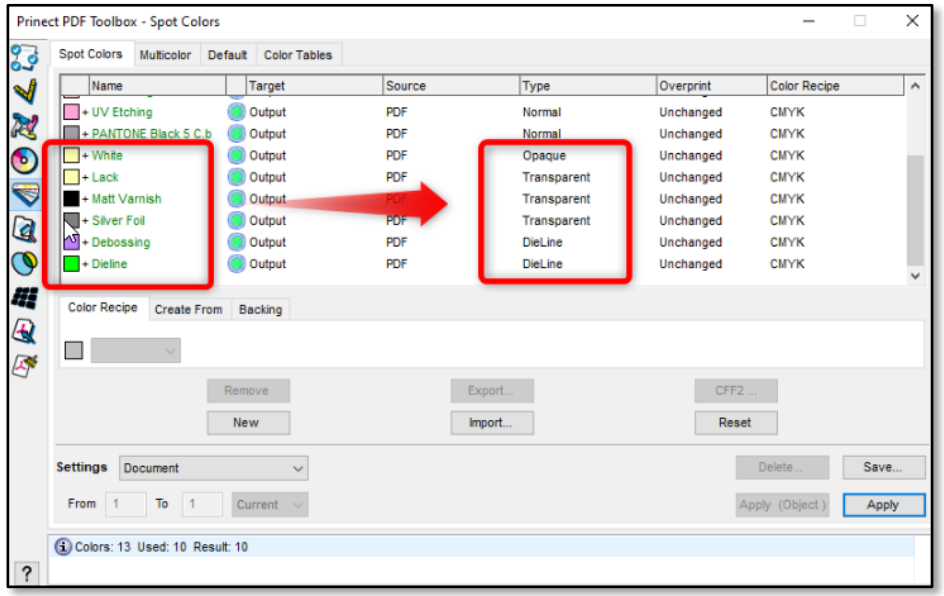
# Did you know?

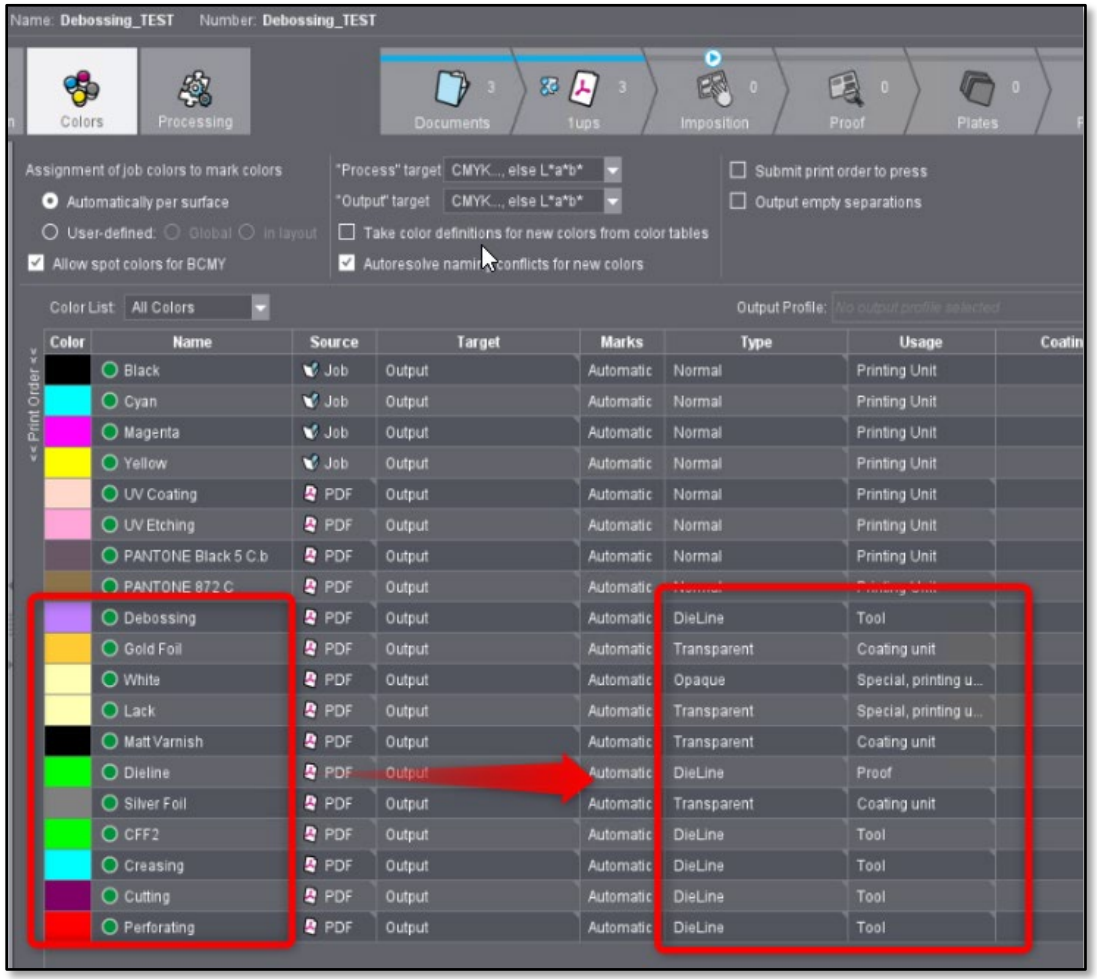
- automatic correction of technical and structural colors

| Colorname | Type | Usage |
|---|---|---|
| "Lack", "Varnish", "Vernis", "Vernice", "Transparent" | transparent | Special, Printing Unit |
| "Matt varnish", "Gloss varnish", "Satin varnish", "Varnish matt", "Varnish satin", "Gloss_Spot", "Matt_Spot", "Satin_Spot" | transparent | Coating Unit |
| "Gold foil", "Silver foil", "Foil Gold", "Foil Silver", "Gold_Spot", "Silver_Spot" | transparent | Coating Unit |
| "Emboss", "Deboss", "Embossing", "Debossing" | dieline | Tool |
| "White", "Weiss", "Blanc", "Bianco" | opaque | Special, printing unit |
| "Dieline" | dieline | Proof |
| "Cutting" | dieline | Tool |
| "Creasing" | dieline | Tool |
| "Perforating" | dieline | Tool |
| "CFF2" | dieline | Tool |

# Did you know?

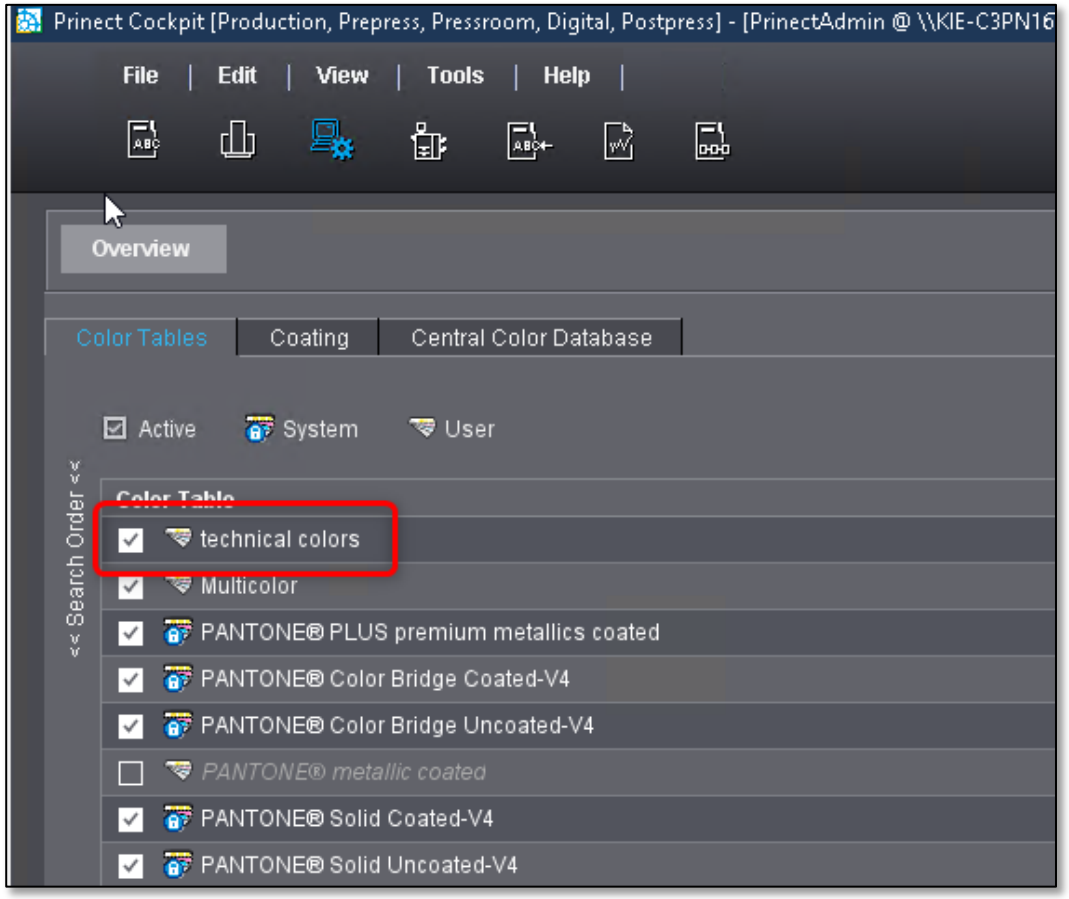
- automatic correction of technical and structural colors



# Did you know?

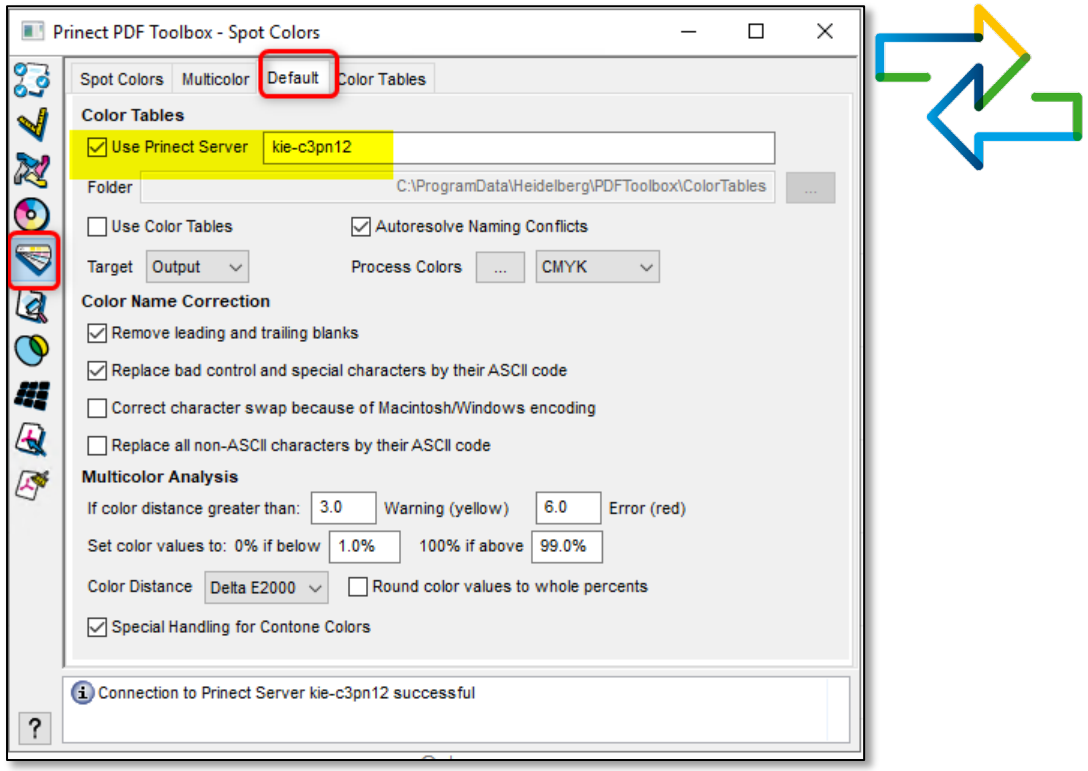
- For colors with a special purpose use a color table!




| Colorname |
| --- |
| "Lack", "Varnish", "Vernis", "Vernice", "Transparent" |
| "Matt varnish", "Gloss varnish", "Satin varnish", "Varnish matt", "Varnish satin", "Gloss_Spot", "Matt_Spot", "Satin_Spot" |
| "Gold foil", "Silver foil", "Foil Gold", "Foil Silver", "Gold_Spot", "Silver_Spot" |
| "Emboss", "Deboss", "Embossing", "Debossing" |
| "White", "Weiss", "Blanc", "Bianco" |
| "Dieline" |
| "Cutting" |
| "Creasing" |
| "Perforating" |
| "CFF2" |

# Did you know?

- Which attributes of a color are taken into the *PDF Toolbox*?



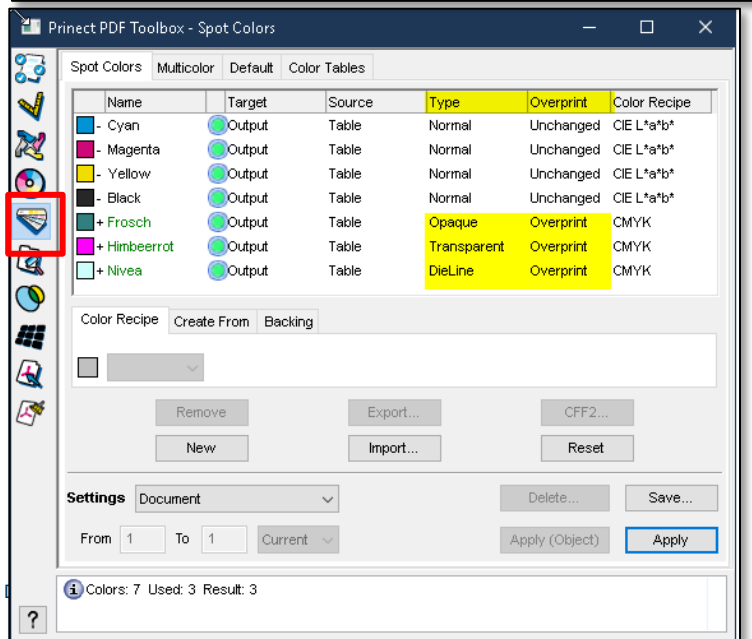
# Did you know?

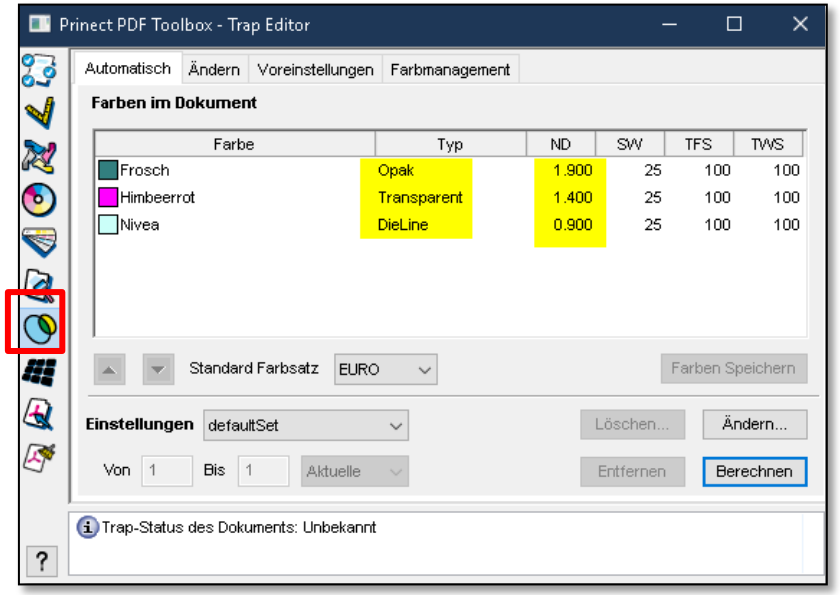
- Which attributes of a color are taken into the *PDF Toolbox*?

Color Tables | Coating | Central Color Database

Sylle

| Color | Alias | C | M | Y | K | L* | a* | b* | Usage | Type | Overprint | ND | Screen Angle | Ca |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Frosch | | 80.0 | 50.0 | 50.0 | 0.0 | | | | Printing Unit | Opaque | Overprint | 1.9 | | |
| Himbeerrot | | 0.0 | 100.0 | 0.0 | 0.0 | | | | Printing Unit | Transparent | Overprint | 1.4 | | |
| Nivea | | 20.0 | 0.0 | 2.0 | 0.0 | | | | Proof | DieLine | Overprint | 0.9 | | |



# Trapper

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# Did you know?

- How can I check traps?
- Why is text fattened?
- Why does it actually take so long?

| PDF Trapper | InRip Trapper |
|---|---|
| Vector based | Pixel based |
| WYSIWYG | See result after rendering |
| Edit manually (*TrapEditor PDF Toolbox*) | No edit |
| Heidelberg | Adobe |

# Did you know?

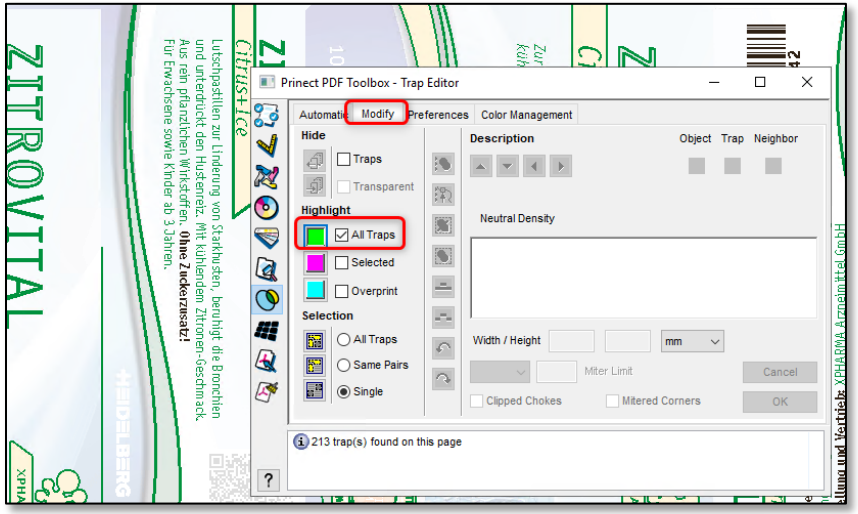
- 2 sets
  - *default set*
  - *ink reduction set*

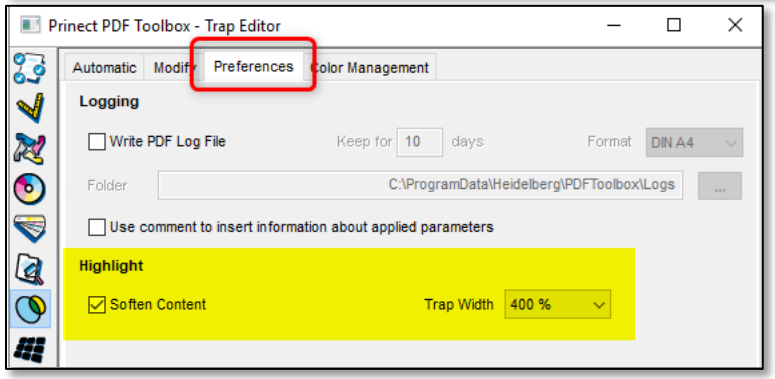
- special cases :
  - technical color -> set *Type* according to purpose
  - small graphics -> manually
  - fading transparency -> manually
  - gradient background -> adjust *threshold/treatment of black*

# Did you know?

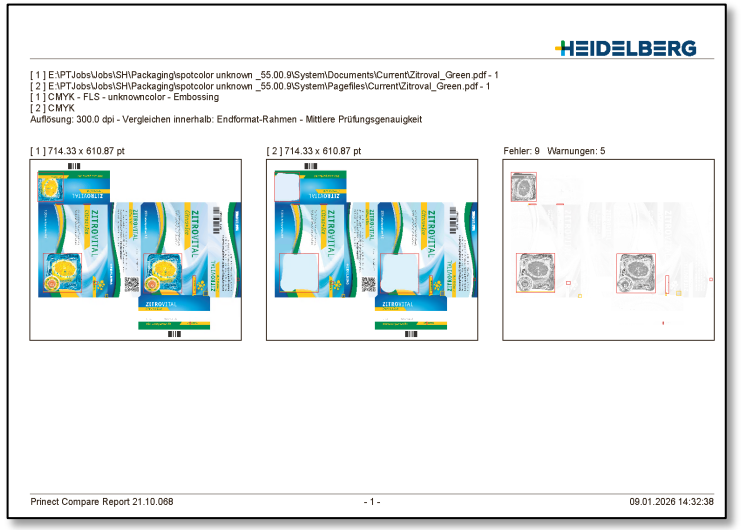
- How to control traps?

## Interactively in PDF Toolbox



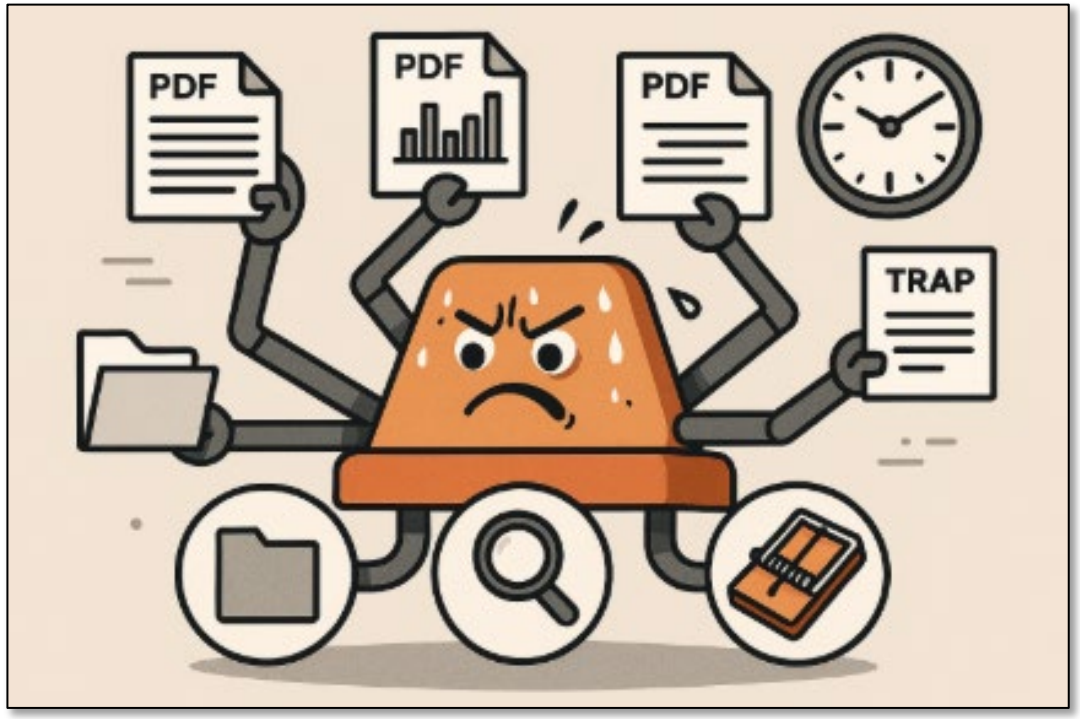



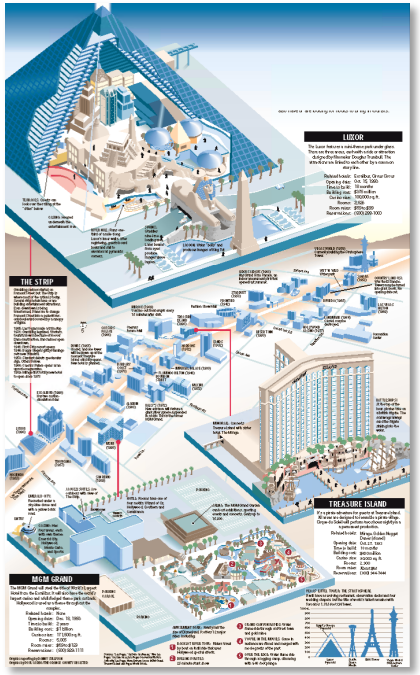

## Princet

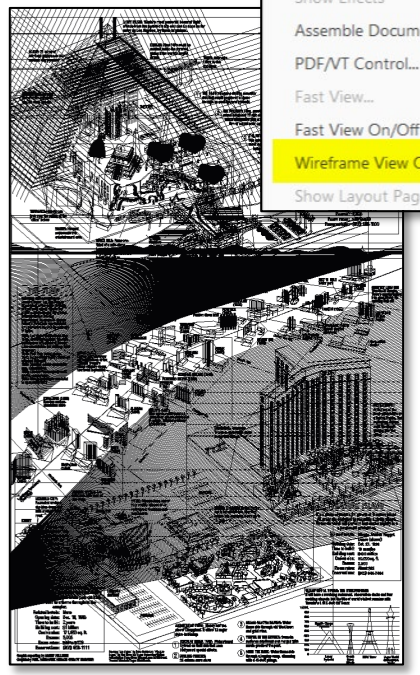


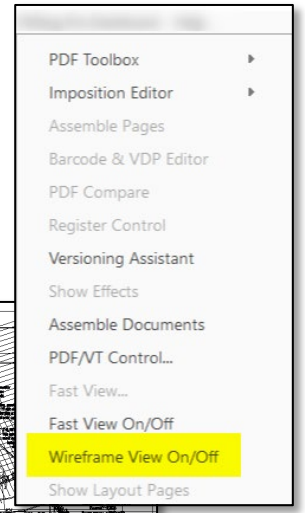
# Did you know?

- Why does it actually take so long?



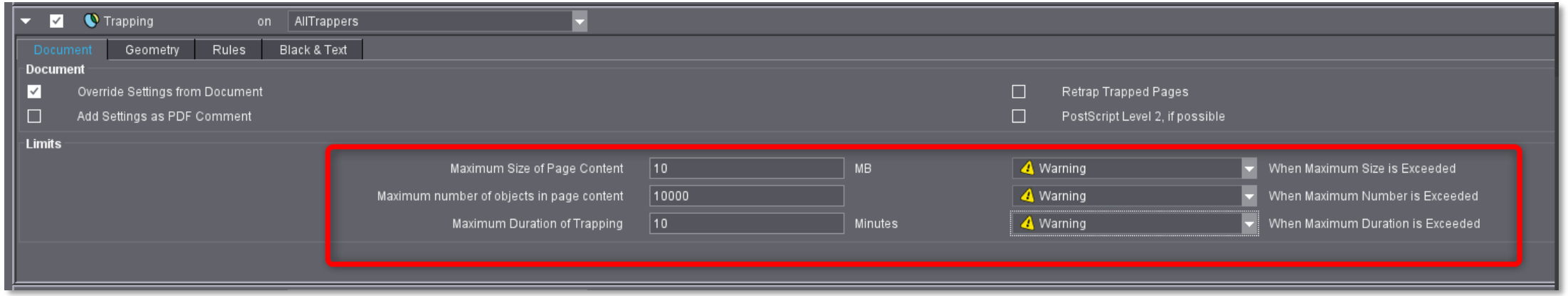



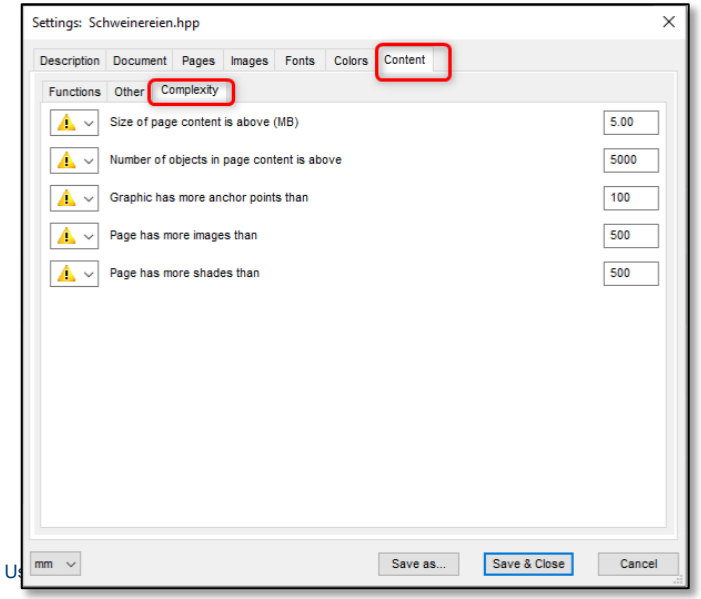


# Did you know?

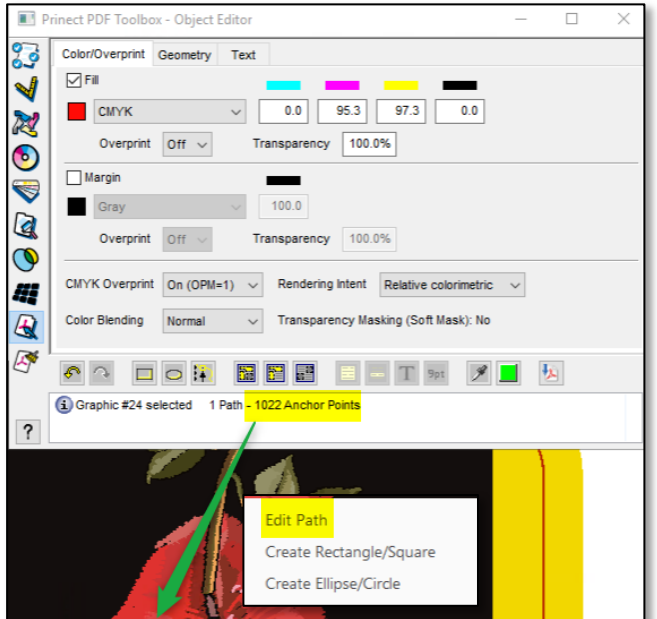
- Use complexity treatment!




- Preflighter

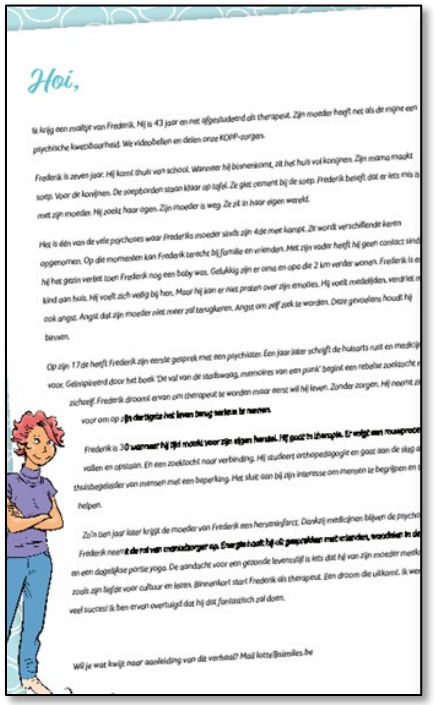


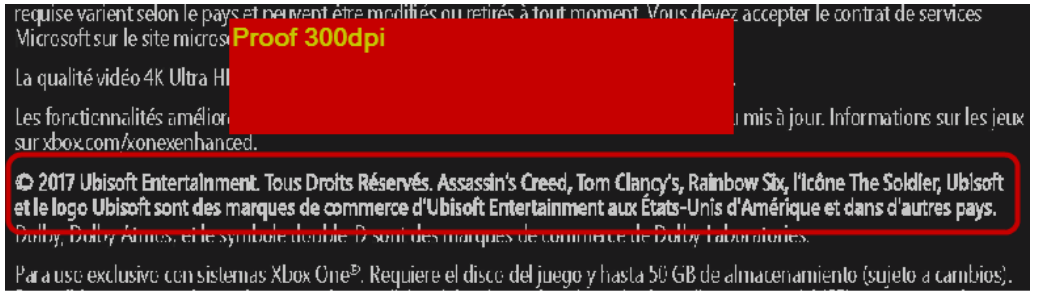

Object Editor:



# Did you know?

- Why is text displayed fat on screen and low res Proof?



# We appreciate your feedback ☺