



Ghent
Workgroup

Q&A
Problem Solving
Webinar

Andrew Bailes-Collins – Enfocus

Peter Kleinheider – Calibrate Workflow Consulting

Frank Vyncke – HYBRID Software



Agenda

- Short introduction of GWG
- Short introduction of the presenters
- Introduction to a typical PDF Workflow
- Q&A

Who is GWG?



Who is GWG?



An international organization made up of graphic arts users, associations & developers



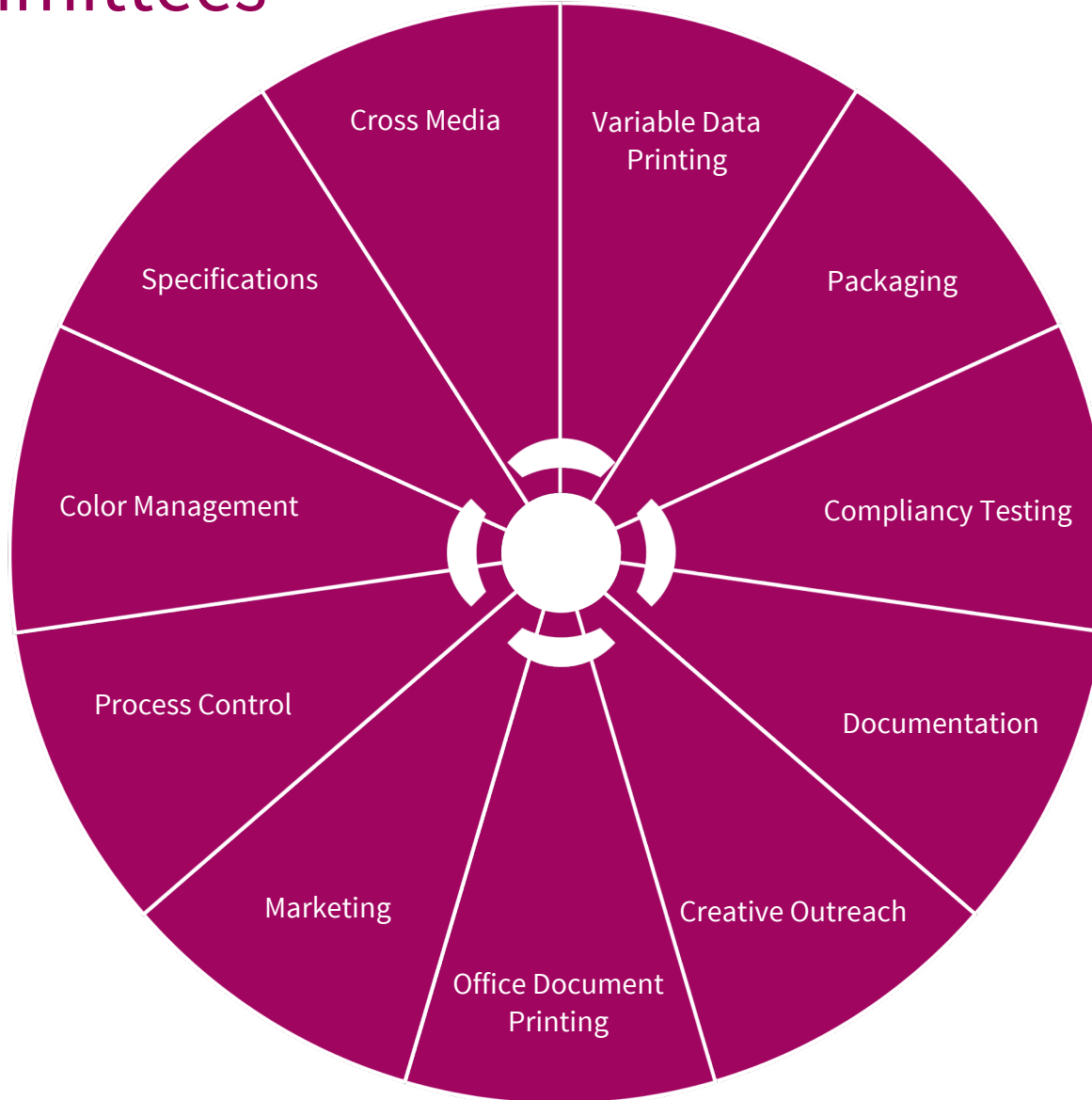
A cross-section of the international graphic arts community's best minds



Our Mission

“To develop and maintain process specifications for **best practices in graphic arts workflows** and promote their acceptance and use in the international graphic arts community.”

Subcommittees



Our goals

Be a Premiere Graphic Arts Think-Tank



- Identify issues, share ideas and create solutions
- Unify and standardize PDF creation and preflight settings
- Find better ways to process and exchange graphic art files

GWG workflow tools



Specifications



Test Suites



Application
Settings



Job Tickets

GWG whitepapers

- Whitepaper Packaging & Labels: Is the next big thing already here?
- Transparency Best Practices
- Using PDF to associate processing steps and content data
- GWG PDF/X Workflow
- PDF File Aggregation: What you need to know
- Test Results and Best Practices for Quality Control of Tablet Publishing Solutions
- PDF/VT: Overview and Practice
- ...





Want to participate in GWG?

- Attend a meeting as an observer

Upcoming meetings: check <http://www.gwg.org/events/>

Apply for observer status and attend 2 meetings for free

- Join a subcommittee
- Become a member

Presenters



Andrew Bailes-Collins

Enfocus
Sr Product Manager

GWG
Co-chair
Specifications
Subcommittee



Frank Vyncke

HYBRID Software
Senior Software
Architect

GWG
Treasurer



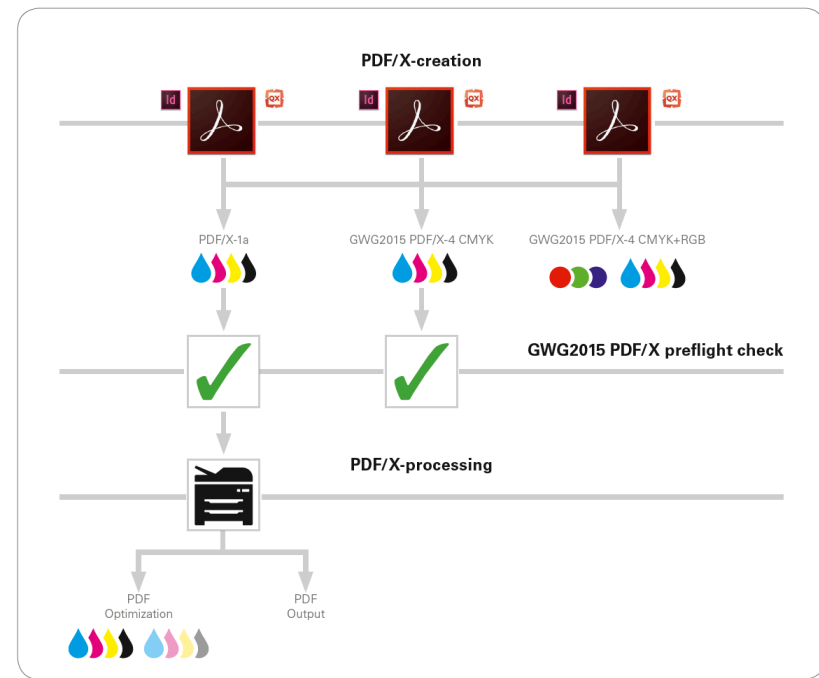
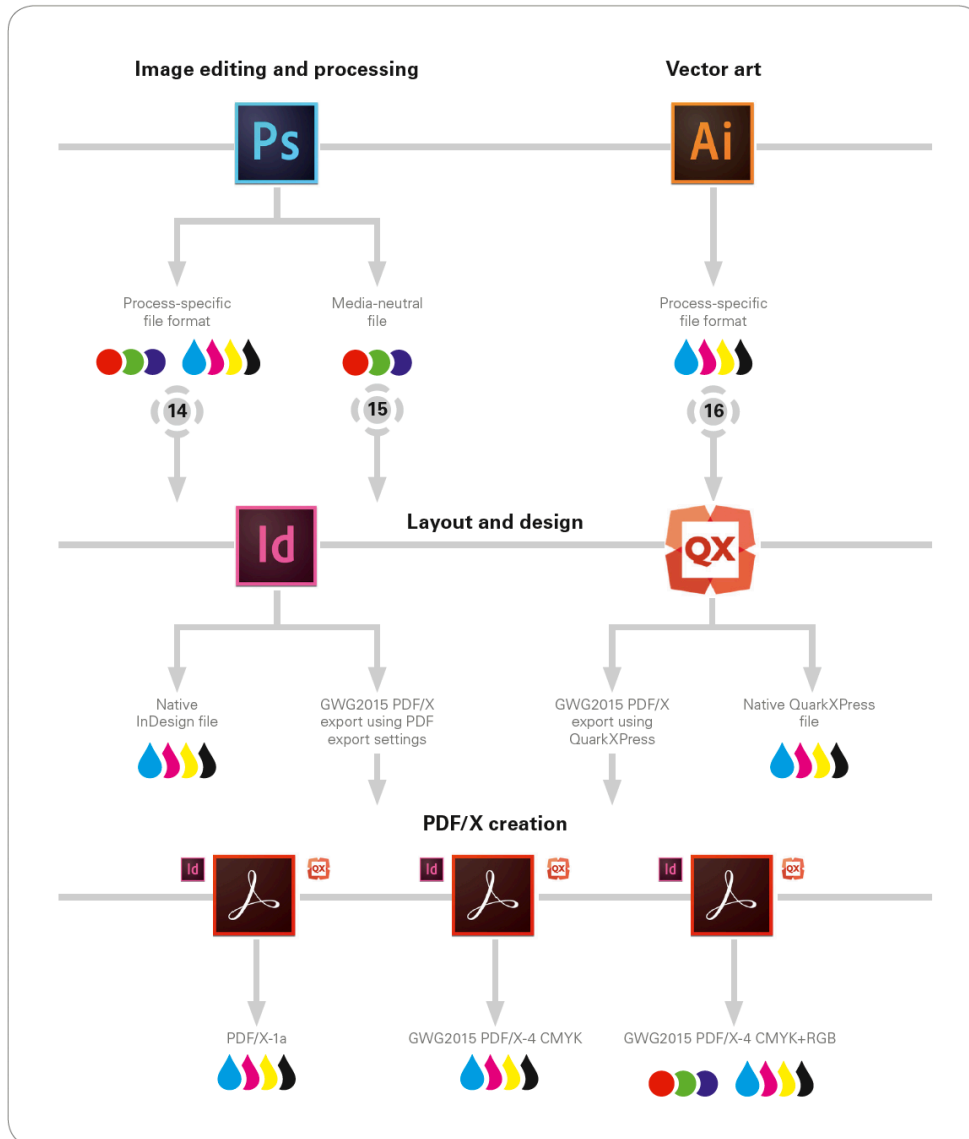
Peter Kleinheider

**calibrate workflow
consulting**
Managing Director

GWG
Co-chair
Specifications &
Color subcommittee

GWG2015 Workflow

Overview





Ghent
Workgroup

Q&A



Question

Do you have any suggested preflight settings for
metal deco printing?

(we use Esko Art Pro not Adobe CS)

Question by Martin Clausen

Prepress Manager – Envases Europe

Answer

Metal can is a very specialised niche market,
GWG does not have a profile

profile *could* be based on Packaging

ArtPro can use Enfocuss profiles in PDF import

Question

We create a pdf-file in our editorial system - PDFGenerator Release CUEPrint3.15.0.5v is in place. Fails in Alwan ink-save with error PDF Error in Unknown function - Error code : 1074790425 : Operand value will not fit in ASFixed range.”

Is the file valid? (run with no errors when preflight (GWG2015))

Is it the PDFgenerator failing? Is it Ink-save application, failing?

How to judge such a gray-zone issue?

Question by Søren Frederikson

IT-management for ad and editorial workflows

JP/Politikens Hus - Publishing house in Denmark

Answer

- The PDF data format allows to describe a pages and it's contents
 - various drawing operands.
 - no known application that does a full syntax check of a PDF file.
 - some requirements defined by the PDF/X standards. But GWG has no further defined requirements.
 - would be a time consuming process (might still not find all possible issues).
- When there's feedback from the market about a particular issue that is constantly popping up, we will investigate this issue and eventually create a new requirement.
- Two other ink saving solutions were tested and processed the file without any error message.
- The customer has to get back to the vendor of the ink saving solution and ask about the error.

Question

the use of icc-profiles in a pdf-file. I have a film output service, mostly for screen printers and letterpress, so I only print black and white film. The files they provide me have an icc-profile. When I open them, the simulation profile is different than the used profile.

- Is it possible to open the pdf-file with used profile (not the simulation).
- If not, convert these files to 0% CMY- 100% K
- The file contains overprint, is there a global change or action to remove the overprint
- For this file I use a modified action “crop to visible”. What’s the “rasterize selection” doing, without it the action doesn’t work.

*Question by Bart Simonis
Owner, Drukkerij SK*

Question

What is the best way of automate a Workflow from online shop (Magento) with a broad homogeneous customer structure.

With PDF X?

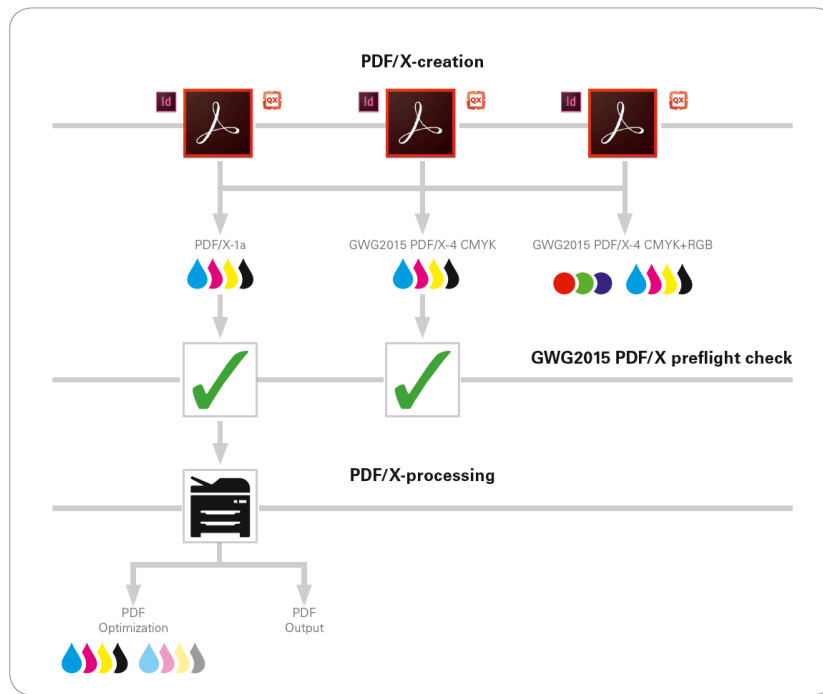
How to print packaging digital (extended Gamut) and later on use and convert the print files for analog Output CMYK and Spotcolors.

*Question from Ralf Degenhart
CEO – Norns-digital*



Web2Print – Inkjet - wideGamut

- Webshop



Tag RGB images
DL CMYK to wideCMYK
Set OI to wideCMYK



Question

why RIP render transparency differently?

Question by M. Yusuf

Answer

Why RIP render transparency differently?

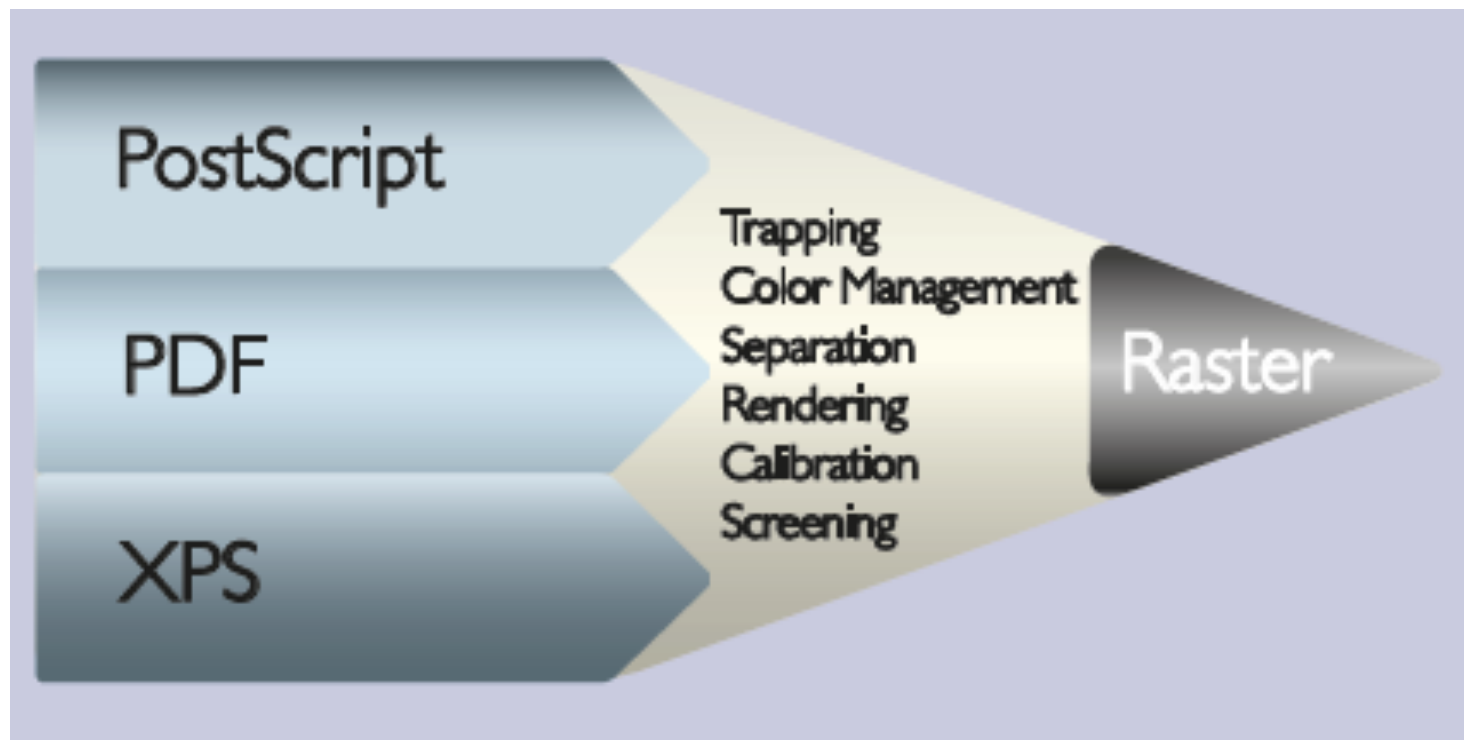


Image: NATIVE INTERPRETATION IN THE HARLEQUIN RIP, white paper global graphics



Question

Why does the GWG export in PDF/X-4 with different setting (especially crop function) give different file sizes?

Question by Axel Robert

Pre Media, Print Quality & Prepress Manager - UBISOFT

Size has various causes ...

ALSO INCLUDED IN THE SEASON PASS

ASSASSIN'S CREED ODYSSEY THE SECRETS OF GREECE

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Resources: (7)

- Pattern: (1)
- ColorSpace: (1)
- ExtGState: (3)
- Font: (7)
- ProcSet: (3)
- XObject: (11)
 - Im0: (11) [24 0 R] /T:XObject /S:Image
 - Im1: (11) [24 0 R] /T:XObject /S:Image
 - Im2: (12) [25 0 R] /T:XObject /S:Image
 - Im3: (12) [26 0 R] /T:XObject /S:Image
 - Im4: (12) [25 0 R] /T:XObject /S:Image
 - Im5: (13) [27 0 R] /T:XObject /S:Image
- Metadata: (3) [88 0 R] /T:Metadata /S:XML
 - Type: Metadata
 - Length: 65350986
 - Subtype: XML
 - XML stream
 - http://ns.adobe.com/exif/1.0/
 - http://ns.adobe.com/photoshop/1.0/
 - http://ns.adobe.com/tiff/1.0/
 - http://ns.adobe.com/xap/1.0/
 - http://ns.adobe.com/xap/1.0/mm/
 - http://purl.org/dc/elements/1.1/
 - Type: XObject
 - Length: 186332
 - Subtype: Image
 - Filter: FlateDecode
 - ColorSpace: DeviceCMYK
 - DecodeParms: (3)
 - SMask: (12) [89 0 R] /T:XObject /S:Image
 - Metadata: (3) [96 0 R] /T:Metadata /S:XML
 - Type: XObject
 - Length: 30373
 - Subtype: Image
 - Filter: FlateDecode
 - ColorSpace: DeviceGray
 - DecodeParms: (3)
 - BitPerComponent: 8

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at 14:47	105 KB	JPEG image
at 15:31	1,15 GB	PDF Document
at 14:48	108 KB	JPEG image
at 15:39	1,21 GB	PDF Document
at 14:48	109 KB	JPEG image
at 15:23	1,16 GB	PDF Document
46	4,4 MB	PDF Document

ACOD_SEASONPASS_PROMO_PS4_UK.indd 1

16/01/2019 11:05

Question

What would be the best way to have non-prepress staff preflight pdfs for compliance?

For example salesperson or reception that receive files and can just drag and drop them to get a pass/fail so that we can alert customers immediately rather than days or weeks later when the files actual hit the prepress department.

Question by Jake Soper

Owner – Evermore Prints

Question

Can you get the Ghent Output Suite to print correctly when using Fiery Impose/Compose and "flattening" the imposition?

When outputting the Ghent Output Suite on our Xerox 700 or 2100 digital presses with Fiery DFE we generally use the impose/compose module to set up the press sheets. I have noticed that I cannot get a full pass on all of the tests when checking the "flatten" box after imposition. I assume this is a problem with the flattening settings used by EFI. Our workaround is to not flatten the impositions but this has two problems: 1) It opens up the potential for the imposition to change due to glitches in the Fiery software. 2) For some of our workflows it is necessary to impose an object twice which is not possible without flattening the first stage. Example: In order to print an A7 folding card 2up on a 13x19 sheet with cut marks and barcode for Duplo we have to first impose 1up with the barcode and trim marks, then a second imposition to put it two up on the sheet so that the barcode is on both halves (it has to be this way for our workflow due to the direction of the crease).

Question by Jake Soper

Owner – Evermore Prints

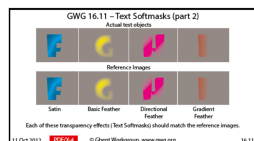
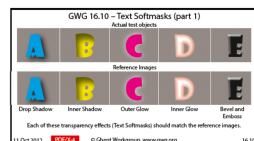
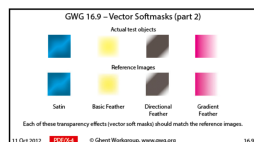
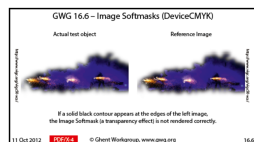
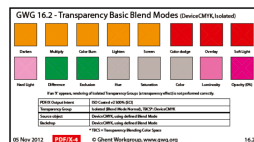
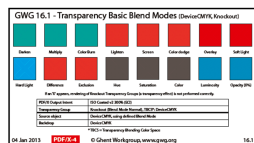


Output transparency / flattening



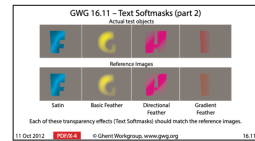
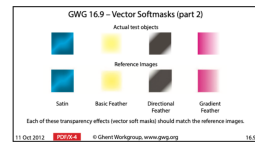
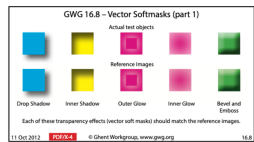
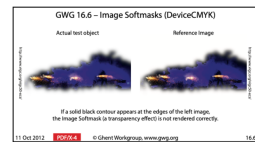
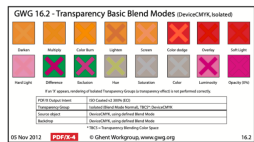
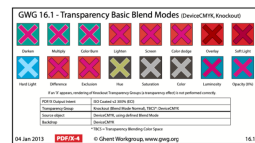
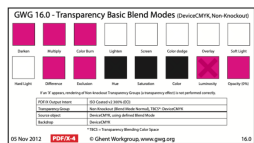
Ghent PDF Output Suite

Diese Testseiten sollten wie normale PDF/X-4-Druckdaten im Workflow verarbeitet werden. Die Testelemente enthalten wichtige PDF/X-Funktionen. Fehler sind entweder als Kreuz oder als Abweichung zum Referenzbild zu erkennen. Alle Objekte sind in CMYK oder Spot ohne ICC-basierte Farben definiert.



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Question

What is your best and most user friendly (idiot proof) suggestion for providing pdf settings files to customers?

Question by Jake Soper

Owner – Evermore Prints

GWG application setting

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Application Settings

Ghent Workgroup > Application Settings

Do you need to export the perfect PDF file from your design application? Or do you need to validate whether a PDF file is going to behave well in production? Many applications require special settings or configurations in order to export good PDF or to be able to validate it. On this page the Ghent Workgroup members publish their settings.

To find the settings you need, first click on the specification version you need or want to use. Then, in the list of applications that appear, find your application and download the settings (by clicking on the "Download now" button on the right).

In the downloaded zip file, you'll find the necessary configuration files and documentation on how to install and use them. Be aware that some vendors already incorporated all necessary settings in their application, so the documentation file might just tell you that you have everything already and explain how to use it!

GWG 2015

GWG 1v4

GWG Digital Cutsheet

GWG Sign & Display

Adobe Acrobat



Adobe Acrobat is the industry-leading PDF viewing and editing app that lets you scan, compare, preflight and secure PDF's for print and digital media. With it's built in preflight engine you are capable of checking, fixing, optimising and converting incoming PDF's into industry leading PDF standards such as PDF/A, PDF/E, PDF/VT, PDF/X and the Ghent Workgroup specifications.

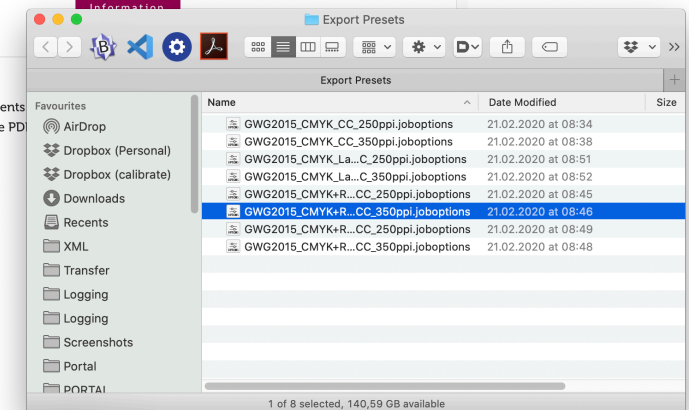
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More Information

Adobe InDesign



Adobe InDesign is the industry-leading page design and layout app that lets you create, preflight, and publish beautiful documents for print and digital media. Adobe InDesign has everything you need to make posters, books, digital magazines, eBooks, interactive PDFs and more.



Question

Is it your experience that color output from a pdf should when properly managed be equal to a .tif or .jpg file?

With EFI Wide Format RIPs and Sheetfed I have experienced poor color rendering when comparing the output from a pdf file and a flattened raster file. I would rather have a full pdf workflow so that the vector objects could remain, however cannot sacrifice color fidelity. Do you believe that this is just a RIP settings configuration problem or, like myself have you found instances where pdf output color is just rendered differently from a flatten raster file even though there is no apparent color management problem in the workflow?

Question by Jake Soper

Owner – Evermore Prints

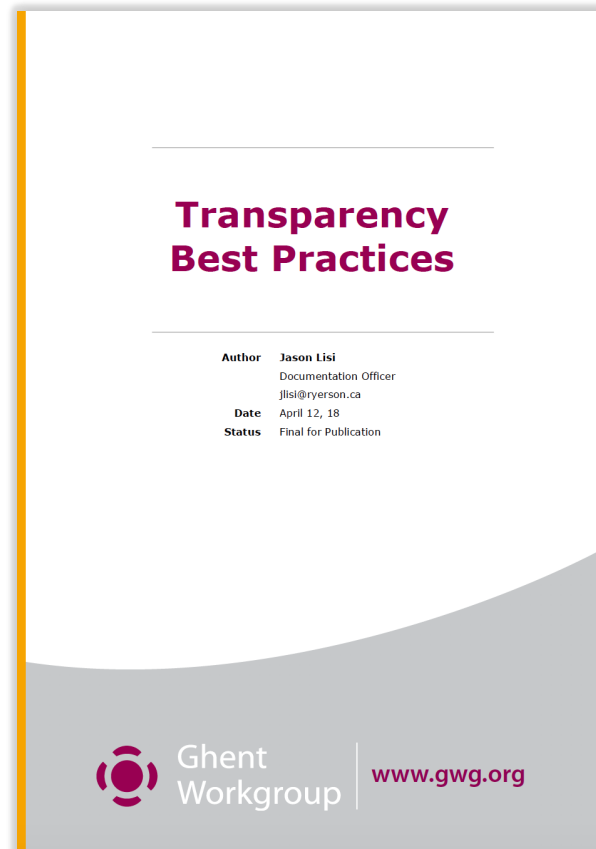
Answer

We believe there should not be a difference between the color rendering of a PDF file and a raster file

However, raster does *not* have transparency nor blending

Use best practices: see ‘Transparencies best practices’

<https://www.gwg.org/learn/gwg-white-papers-user-guides/>



Question

Question about the "GWG 13.3 - ICC based RGB Overprint" in the "Ghent PDF output suite v5.0" on page 6.

If I preflight the patch with the profile "GWG_MagazineAds_2015 CMYK" in PitStop, I get 2 beautiful X's. On the patch it says *"ICCbasedRGB objects must never overprint other CMYK objects, despite Overprint is enabled and Overprint Mode is 1"*.

- Does that mean that I should modify the "GWG 2015 4.23 Fix Classic Delivery Method" to exclude this kind of object from being CMYK converted?
- Or should I add a script to set OPM 0 on ICCbasedRGB objects before CMYK conversion?
- Is it ok to mix OPM 1 and OPM 0 in a same CMYK PDF ? RGB conversion becomes as touchy as the conversion of overprinted spot colors!

*Question by Vincent Ghilardi
Project Manager – Sud-Ouest*



GWG Output Suite 5.0

Ghent PDF Output Suite 5.0 – CMYK

This test page should be processed like regular PDF/A. It contains text and images with various PDF/A features. Errors are identified either with a cross or by a deviation from the integrated reference images. This page only has CMYK and Spot. It does not contain any ICC-based elements.



Ghent PDF Output Suite 5.0 – CMYK

Deze testpagina wordt net als een reguliere PDF/A afgedrukt. Het bevat tekst en afbeeldingen met diverse PDF/A-kenmerken. Fouten worden aangegeven met een kruis of door een afwijking van de geïntegreerde referentieafbeeldingen. Deze pagina bevat alleen CMYK en Spot. Het bevat geen elementen gebaseerd op ICC.



Ghent PDF Output Suite 5.0 – CMYK

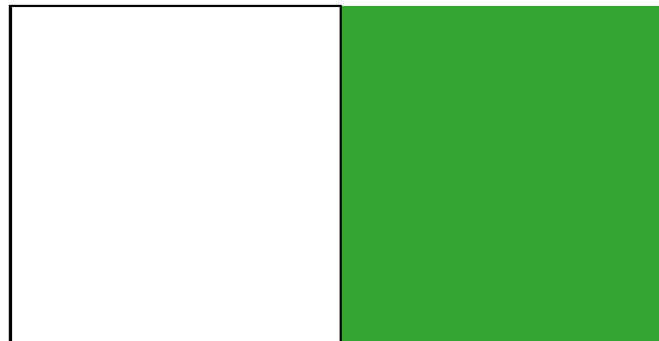
Cette page doit être traitée comme une page PDF/A normale. Elle contient du texte et des images avec diverses fonctionnalités PDF/A. Les erreurs sont identifiées soit par une croix, soit par une déviation par rapport aux images de référence intégrées. Cette page ne contient que du CMYK et des couleurs de référence.



GWG 13.3 - ICC based RGB Overprint

ICCbasedRGB white

ICCbasedRGB green



ICCbasedRGB objects must never overprint other CMYK objects, despite Overprint is enabled and Overprint Mode is 1

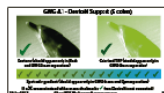
In case of an **X**, the RGB color was converted to CMYK while preserving the Overprint Mode

27 Apr 2016

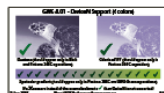
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PDF/X-4-ICC

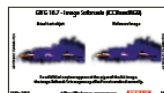
13.3



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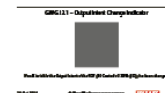
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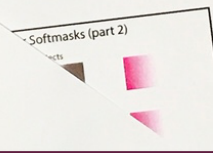
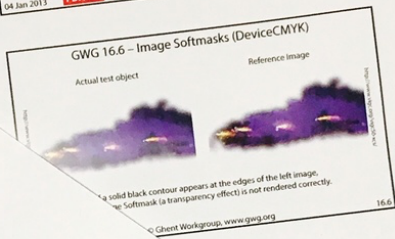
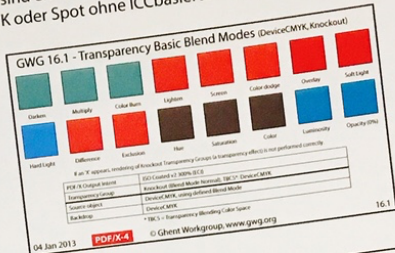
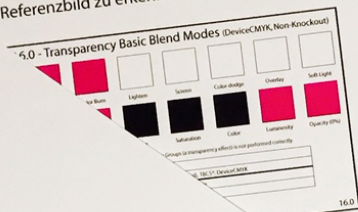
Read me first – Page 4

NOTE: Although all patches are PDF/X-4 compliant, most of the patches are not compliant with the Ghent PDF Specifications.

The reason is that for most patches special properties of the objects (e.g. overprinting) had to be used in order to clearly visualize a failure of the patch.

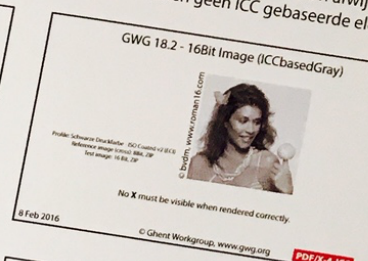
Ghent PDF Output Suite 5.0

Diese Testseiten sollten wie normale PDF/X-4-Druckdaten im Workflow verarbeitet werden. Die Testelemente enthalten wichtige PDF/X-Funktionen. Fehler sind entweder als Kreuz oder als Abweichung zum Referenzbild zu erkennen. Alle Objekte sind in CMYK oder Spot ohne ICCbasierte Farben definiert.



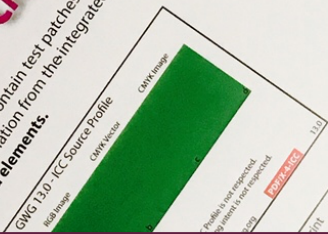
F Output Suite 5.0 - C

orden als gewone PDF/X-4 print jobs. De pagina's bevatten te worden aangeduid met ofwel een kruis of door een afwijkende test patches zijn CMYK en bevatten geen ICC gebaseerde el



Test Suite 5.0 - CMS

print jobs. The pages contain test patches with errors or by a deviation from the integrated ICC-based elements.



Test your own workflow(s)! Download it here:
<https://www.gwg.org/workflow-tools-downloads/test-suites/ghent-output-suite>



Ghent PDF Output Suite 5

Ghent PDF Output Suite 5 compliancy and instructions

Ghent Workgroup > Ghent PDF Output Suite 5 compliancy and instructions

The Ghent Workgroup offers a compliancy label program for vendor members who are compliant with the [Ghent PDF Output Suite 5](#).



In order to get the compliancy label a vendor must

1. have published instructions for successful output with Ghent PDF Output Suite 5
2. have submitted a proof of a successful output of the file *Ghent_PDF-Output-Test-V50_ALL_X4.pdf* on their system(s).

The following vendors have already proven compliancy of their products with the Ghent PDF Output Suite 5.

In order to help setting up the parameters of your PDF workflow, we have asked our Vendor members that provide PDF workflow systems to create instructions for the successful output of the [Ghent PDF Output Suite 5.0](#):



VENDOR MEMBER	COMPLIANT PRODUCT(S)	INSTRUCTIONS FOR SUCCESSFUL OUTPUT OF GHENT PDF OUTPUT SUITE 5
	AGFA Apogee Prepress	AGFA Apogee Prepress 9.2 AGFA Apogee Prepress 10
		CANON PRISMAsync print server

Check for
Ghent PDF Output Suite 5
compliancy label



Next webinar June 23rd, 2020

10 things you do with PDF, but (perhaps) know you shouldn't



David van Driescche

Four Pees
Chief Technology Officer

GWG
Executive Director
Co-chair Specifications Subcommittee



Christian Blaise

agileStreams
Chief Executive Officer

GWG
Marketing Officer
Co-chair Packaging Subcommittee

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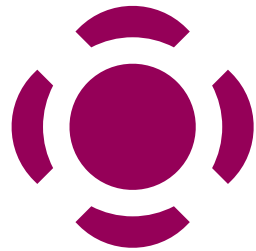
Thank You!

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