

Für die Zertifizierungen dürfen nur personalisierte Testformen verwendet werden!

Zweck

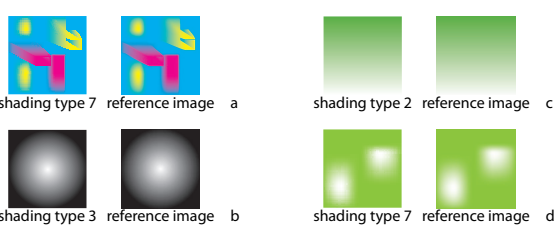
Mit dieser Form kann getestet werden, ob ein Ausgabe-Workflow **PDF/X-4**-kompatibel ist. Sie enthält kritische Elemente, die grundsätzlich alle in **PDF/X-4**-Dateien zugelassen sind. Sie ist aber nicht PDFX-ready-konform, da zur Fehlerdarstellung teilweise extreme Definitionen verwendet werden.

Vorgehen

Diese Testdatei soll genauso verarbeitet werden, wie eine normal angelieferte **PDF/X-4**-Datei. Die A4-Seiten sollen zu einer Form (mit Berücksichtigung der TrimBox) ausgeschlossen resp. in einem Umbruch (ohne Beschnitt) platziert werden. Achtung: *unterschiedliche Beschnittwerte bei jeder Seitenkante!*

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GWG 6.0 - Use of shadings



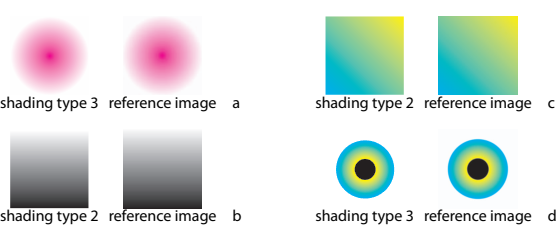
shading type 7 reference image a shading type 2 reference image c
 shading type 3 reference image b shading type 7 reference image d

The shadings should look like the reference image

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GWG 6.1 - Use of shadings




shading type 3 reference image a shading type 2 reference image c
 shading type 2 reference image b shading type 3 reference image d

The shadings should look like the reference image

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GWG 1.1 - CMYK Overprint Mode



OPM 0 OPM 1

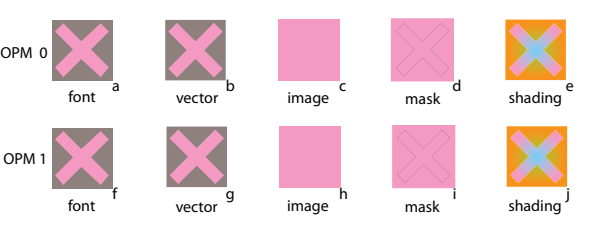
Rect (overpr) 0 / 0 / 10 / 50 Cross 90 / 10 / 90 / 0
 Cross 90 / 10 / 90 / 0 Rect 90 / 10 / 10 / 50

If an **X** appears the Overprint Mode (OPM) is not respected.

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GWG 1.0 - CMYK Overprint Test

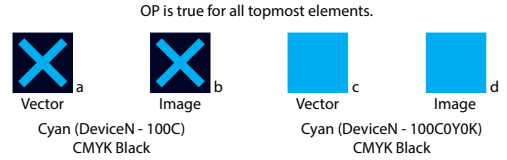


OPM 0 font a vector b image c mask d shading e
 OPM 1 font f vector g image h mask i shading j

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GWG 19.0 - DeviceN Overprint (Black)



OP is true for all topmost elements.

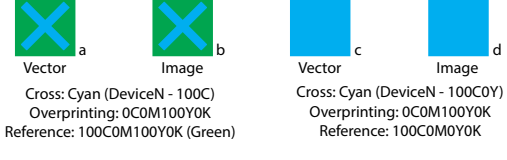
Vector a Image b Vector c Image d
 Cyan (DeviceN - 100C) CMYK Black Cyan (DeviceN - 100C0Y0K) CMYK Black

a + b: must be rendered to solid Black (100C100K) rectangles
 A faint X means, that OP is not honored (or image was converted to DeviceCMYK for b)
 c + d: must be rendered to solid Cyan rectangles
 c: X means, that color space might have been converted to DeviceCMYK upfront (OPM 1)
 d: X means, that 0% Channels might have been ignored or color was converted

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GWG 19.1 - DeviceN Overprint (Yellow)



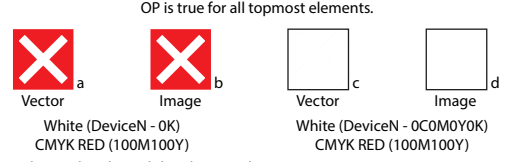
Vector a Image b Vector c Image d
 Cross: Cyan (DeviceN - 100C) Overprinting: 0C0M100Y0K Reference: 100C0M100Y0K (Green)
 Cross: Cyan (DeviceN - 100C0Y) Overprinting: 0C0M100Y0K Reference: 100C0M0Y0K

a + b: must be rendered to solid Green rectangles
 Cyan X means, that OP is not honored (or image was converted to DeviceCMYK for b)
 c + d: must be rendered to solid Cyan rectangles
 c: X means, that color space might have been converted to DeviceCMYK upfront (OPM 1)
 d: colored X means, that 0% Channels might have been ignored or color was converted

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GWG 19.2 - DeviceN Overprint (White)



OP is true for all topmost elements.


Vector a Image b Vector c Image d
 White (DeviceN - 0K) CMYK RED (100M100Y) White (DeviceN - 0C0M0Y0K) CMYK RED (100M100Y)

a + b: must be rendered to solid Red rectangles
 White X means, that OP is not honored (or image was converted to DeviceCMYK for b)
 c + d: must be rendered to solid White rectangles
 c: X means, that color space might have been converted to DeviceCMYK upfront (OPM 1)
 d: colored X means, that 0% Channels might have been ignored or color was converted

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GWG 8.2 - DeviceN Support (4 colors)



Duotone (Black and Cyan) Grayscale TIFF with Cyan background

If a check mark ✓ is visible in the upper right corner then DeviceN is respected (= GOOD).
 If no check mark appears then DeviceN color was transformed to CMYK (= ERROR).
 If the images are missing completely then DeviceN is not supported at all (= ERROR).

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Für die Zertifizierungen dürfen nur personalisierte Testformen verwendet werden!

Native Transparenzverarbeitung mit PDF-RIP

Diese PDF/X-4-Datei enthält Transparenzen. Mit Vorteil wird für die Ausgabe ein PDF-RIP (z.B. Adobe PDF Print Engine oder Harlequin-RIP) verwendet. Dabei muss darauf geachtet werden, dass im vorgelagerten Workflow die Transparenzen erhalten bleiben und nativ an den RIP übergeben werden, damit sie dort verarbeitet werden können.

Keine Veränderung der Überdrucken-Parameter

Sollte eine Transparenzreduktion stattfinden, muss unbedingt dafür Sorge getragen werden, dass die Überdrucken-Befehle vom Workflow nicht verändert werden, da die meisten Transparenzreduktionsmodule Überdrucken zur Simulation von Transparenzen einsetzen. Sonst erscheinen unweigerlich Kreuze.

9 GWG 16.0 - Transparency Basic Blend Modes (DeviceCMYK, Non-Knockout)

If an 'X' appears, rendering of Non-knockout Transparency Groups (a transparency effect) is not performed correctly.

PDF/X Output Intent	ISO Coated v2 300% (ECI)
Transparency Group	Non Knockout (Blend Mode Normal), TBCS*: DeviceCMYK
Source object	DeviceCMYK, using defined Blend Mode
Backdrop	DeviceCMYK

* TBCS = Transparency Blending Color Space

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10 GWG 16.1 - Transparency Basic Blend Modes (DeviceCMYK, Knockout)

If an 'X' appears, rendering of Knockout Transparency Groups (a transparency effect) is not performed correctly.

PDF/X Output Intent	ISO Coated v2 300% (ECI)
Transparency Group	Knockout (Blend Mode Normal), TBCS*: DeviceCMYK
Source object	DeviceCMYK, using defined Blend Mode
Backdrop	DeviceCMYK

* TBCS = Transparency Blending Color Space

04 Jan 2013 PDF/X-4 © Ghent Workgroup, www.gwg.org 16.1

11 GWG 16.2 - Transparency Basic Blend Modes (DeviceCMYK, Isolated)

If an 'X' appears, rendering of Isolated Transparency Groups (a transparency effect) is not performed correctly.

PDF/X Output Intent	ISO Coated v2 300% (ECI)
Transparency Group	Isolated (Blend Mode Normal), TBCS*: DeviceCMYK
Source object	DeviceCMYK, using defined Blend Mode
Backdrop	DeviceCMYK, using defined Blend Mode

* TBCS = Transparency Blending Color Space

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12 GWG 16.6 - Image Softmasks (DeviceCMYK)

If a solid black contour appears at the edges of the left image, the Image Softmask (a transparency effect) is not rendered correctly.

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13 GWG 16.8 - Vector Softmasks (part 1)

Each of these transparency effects (vector soft masks) should match the reference images.

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14 GWG 16.9 - Vector Softmasks (part 2)

Each of these transparency effects (vector soft masks) should match the reference images.

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15 GWG 16.10 - Text Softmasks (part 1)

Each of these transparency effects (Text Softmasks) should match the reference images.

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16 GWG 16.11 - Text Softmasks (part 2)

Each of these transparency effects (Text Softmasks) should match the reference images.

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Für die Zertifizierungen dürfen nur personalisierte Testformen verwendet werden!

Farbqualität

Die Farbqualität spielt bei diesem Test keine Rolle! Es geht nur um die korrekte Verarbeitung der PDF/X-Definitionen. Für den Druck der Sonderfarbe GWG Green (50% Cyan, 100% Yellow) kann eine beliebige Sonderfarbe verwendet werden. Die Texte in den Testelementen erscheinen zur besseren Visualisierung in allen Auszügen.

Referenz/Dokumentation

Die Datei **PDFX-ready_Output-Test_30d_REFERENZ.pdf** enthält (gerenderte) Referenzbilder der Composite-Seiten und der einzelnen Farbseparationen. Die Testelemente (inklusive Fehlerbehebungsmöglichkeiten) sind in der Datei **PDFX-ready_Output-Test_30d_DOKUMENTATION.pdf** ausführlich beschrieben.

GWG 9.0 - Font Support

Type1 PostScript: äöüÄÖÜäääfi fl©®@DCEÆØæfÿ‡%b½d (NewCenturySchlbk Italic)
 Expected result: äöüÄÖÜäääfi fl©®@DCEÆØæfÿ‡%b½d (NewCenturySchlbk Italic)
TrueType: äöüÄÖÜäääfi fl©®@DCEÆØæfÿ‡%b½d (BookAntiqua-BoldItalic)
 Expected result: äöüÄÖÜäääfi fl©®@DCEÆØæfÿ‡%b½d (BookAntiqua-BoldItalic)
CID (Type1): äöüÄÖÜäääfi fl©®@DCEÆØæfÿ‡%b½d (WarnockPro-BoldIt)
 Expected result: äöüÄÖÜäääfi fl©®@DCEÆØæfÿ‡%b½d (WarnockPro-BoldIt)
CID (TrueType): äöüÄÖÜäääfi fl©®@DCEÆØæfÿ‡%b½d (PalatinoLinotype BoldItalic)
 Expected result: äöüÄÖÜäääfi fl©®@DCEÆØæfÿ‡%b½d (PalatinoLinotype BoldItalic)
Multiple Master: dit is een multiple master ex ponto mun dit is een multiple master ex ponto mun (ExPontoMM)
 Expected result: dit is een multiple master ex ponto mun dit is een multiple master ex ponto mun (ExPontoMM)
Type 3 Vector: äöüÄÖÜäääfi fl©®@DCEÆØæfÿ‡%b½d \$£¢ ABCD...XYZ (T1 / Garamond Bold)
 Expected result: äöüÄÖÜäääfi fl©®@DCEÆØæfÿ‡%b½d \$£¢ ABCD...XYZ (T1 / Garamond Bold)
Type 3 Bitmap: null fällt ein negativer Zahlungsstrom an. In den Jahren eins bis fünf (T10)
 Expected result: null fällt ein negativer Zahlungsstrom an. In den Jahren eins bis fünf (T10)
 03 Nov 2005 Ghent PDF Workgroup © www.gwg.org 9.0

GWG 9.1 – OpenType Font Support

Warnock Pro Semibold – OpenType (Type 1)
 äöüÄÖÜäääfi fl©®@OEÆØæfÿ‡%b½d
 äöüÄÖÜäääfi fl©®@OEÆØæfÿ‡%b½d

Arial Unicode MS – OpenType (TrueType)
 äöüÄÖÜäääfi fl©®@OEÆØæfÿ‡%b½d
 äöüÄÖÜäääfi fl©®@OEÆØæfÿ‡%b½d

If the text in the line above does not look like the image in the line below an error in the rendering of the font occurred.

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9.1

GWG 5.1 - Font subset and substitution

	Placed EPS-file n°1 (VVLNXX+Myriad-Roman)	Placed EPS-file n°2 (VVLNXX+Myriad-Roman)
subsetted font	12345	45678
expected result	12345	45678

- If all characters are correct and appear in the right order, the subset fonts have been processed correctly.
 - If some characters do not appear or display in the wrong order, incorrect handling of subset fonts has occurred.
 11 Nov 2012 Ghent PDF Workgroup © www.gwg.org 5.1

GWG 5.2 - Font subset and substitution

	Placed EPS-file n°1 (FEPTUI+Myriad-Roman)	Placed EPS-file n°2 (PGNBEO+Myriad-Roman)
subsetted font	12345	45678
expected result	12345	45678

- If all characters are correct and appear in the right order, the subset fonts have been processed correctly.
 - If some characters do not appear or display in the wrong order, incorrect handling of subset fonts has occurred.
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GWG 5.0 - Font Substitution

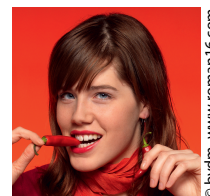


If a check mark ✓ appears above, then the embedded font is used (correct behavior).
 If another character appears, the embedded font was substituted with a Symbol font installed in the system (host or RIP).

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5.0

GWG 18.1 - 16Bit Image (DeviceCMYK)



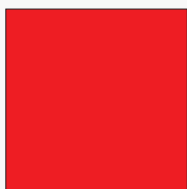
No "X" must be visible when rendered correctly.

Reference image (cross): 8Bit, ZIP
 Test image: 16 Bit, ZIP
 © bvdhm, www.romant16.com

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18.1

GWG 17.0 - JPEG2000 compression (DeviceCMYK)



No "X" must be visible when rendered correctly.

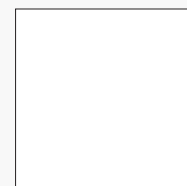
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17.0

GWG 17.3 - JBIG2 compression



Black



White

No "X" must be visible when rendered correctly.

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17.3

Für die Zertifizierungen dürfen nur personalisierte Testformen verwendet werden!

Rechtliche Bestimmungen

Die nicht-personalisierte Testdatei darf frei verwendet und weitergegeben werden. Aber sie darf nicht verändert werden! Die rechtlichen Bestimmungen in der ReadMe-Datei der Ghent PDF Output Suite 4.0 sind zu beachten.

Copyright

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Fragen und Anregungen: Bitte senden Sie Ihre Fragen und Anregungen an info@pdfx-ready.ch.

25 **GWG 2.0 - Spot to CMYK Overprint**

this row: cmyk over spot
 a font, b vector, c image, d mask, e shading

this row: spot over cmyk
 f font, g vector, h image, i mask, j shading

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26 **GWG 4.1 - White Overprint Mode**

Spot White (a) almost White (b)

Rect 75 / 5 / 100 / 0
 Cross (overpr) 0% GWG Green

Cross (OP) .2 / .2 / .2 / 0
 Cross (OP) 15 / 100 / 100 / 0
 Rect .2 / .2 / .2 / 10

If a visible X appears, the "Overprinting White" is not handled.

8 Apr 2008 Ghent PDF Workgroup © www.gwg.org 4.1

27 **GWG 3.0 - Gray Overprint Patch**

OPM0 OPM1

a 50% K over spot, b 50% gray over spot, c 50% sep. black over spot, d 50% K over CMYK, e 50% gray over CMYK, f 50% sep. black over CMYK

g 50% K over spot, h 50% gray over spot, i 50% sep. black over spot, j 50% K over CMYK, k 50% gray over CMYK, l 50% sep. black over CMYK

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28 **GWG 4.0.1 - White Overprint Patch**

OPM0 OPM1

a CMYK over spot, b Gray over spot, c Sep. black over spot, d CMYK over CMYK, e Gray over CMYK, f Sep. black over CMYK

g CMYK over spot, h Gray over spot, i Sep. black over spot, j CMYK over CMYK, k Gray over CMYK, l sep. black over CMYK

10 Nov 2006 Ghent PDF Workgroup © www.gwg.org 4.0.1

29 **GWG 3.1 - Gray Image Overprint (CMYK over Spot)**

During flattening (in InDesign or Acrobat) of drop shadows over spot colors overprinting grayscale images with a white background are created.

Reference Correct Reference Wrong

Overprinting must be honored for the output.

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30 **GWG 12.0 - White Overprint/Knockout**

Overprint Knockout

CMYK Spot

Vector Text big Text 6pt

If filled X appear the Overprint settings were not respected.

If filled X appear the Knockout settings were not respected.

29 Aug 2013 Ghent Workgroup © www.gwg.org 12.0

31 **GWG 8.1 - DeviceN Support (5 colors)**

Duotone (should appear only in Black and GWG Green separations)

Colorized TIFF (should appear only in GWG Green separation)

Spot color gradient (should appear only in GWG Green and Cyan separations)

If a X appears instead of the green checkmarks ✓ then DeviceN is not supported!

20 Jan 2013 Ghent PDF Workgroup © www.gwg.org 8.1

PDFX-ready Output-Zertifizierung

Ein Betrieb kann mit der PDFX-ready Output-Zertifizierung beweisen, dass er mit seinem Workflow in der Lage ist, eine gültige PDF/X-4-Datei korrekt zu verarbeiten und auszugeben.

Für die PDFX-ready Output-Zertifizierung muss eine personalisierte Version dieser Testform verwendet werden.

PDFX-ready-Mitglieder können diese beim PDFX-ready-Sekretariat (info@pdfx-ready.ch) oder auf <http://www.pdfx-ready.ch/index.php?show=380> anfordern.

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