

## Patch 11.0 — default CMYK color spaces

### Intent

The intention of this patch is to identify correct or improper rendering of files with 'Default CMYK' objects in a PDF/X 3 file in which the default CMYK differs from the output intent. This patch uses Spot color GWG Green and Pantone 265C.

### Testing guidelines

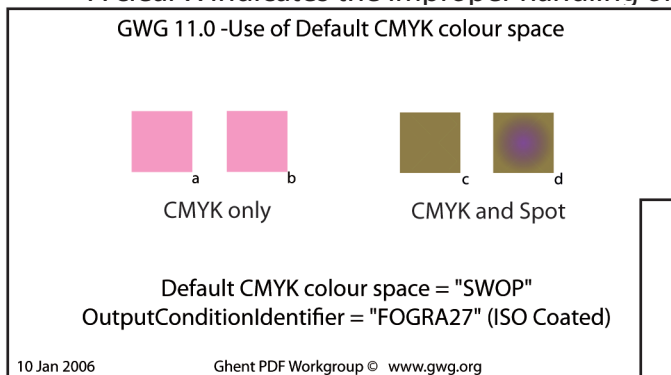
The files may be used in two ways:

- A single file may be used to test a specific step in a workflow, such as a RIP.
- The files together may be used to test the whole of a workflow that will aggregate multiple files together, e.g. for partial page advertisements in a magazine.

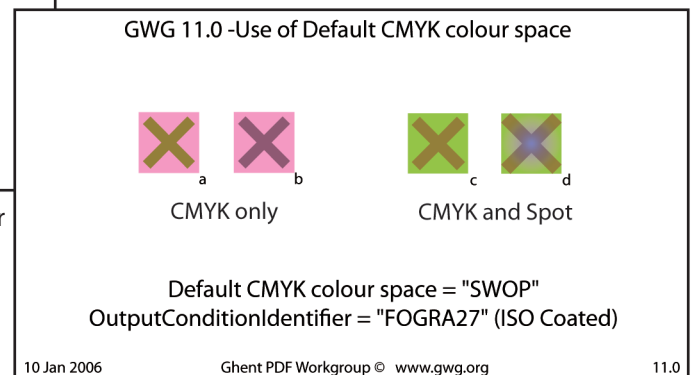
### Method of evaluation

#### Method 1

A clear X indicates the improper handling of a file.



Correct rendering of the patch: all tests passed. No clear X is showing.



Incorrect rendering of the patch: all tests have failed. Each X indicates an incorrectly rendered test.

## Description of tests

CMYK objects in a PDF/X3 file which have an ICCBased default color space are considered to be color managed objects in which the final CMYK values are calculated at the time of rendering/ripping by using a color conversion using data embedded in the PDF (source and target profiles and rendering intent). Since the final CMYK values need to be calculated, the overprint rules specify that overprints on spot colors will still be applied, but it will never overprint on the process colors, regardless of the OPM mode.

This patch is comprised of CMYK objects which have the overprint flag set on and OPM set to 1, on top of varying objects. The overall default CMYK color space in the document means that the objects can not overprint on underlying process colors. If an X shows in any of the tests, overprints have been applied incorrectly. It is possible for a thin line to appear when displaying this file due to smoothing and this is normal and acceptable and does not indicate a fault. As this file is color managed 'Output Preview' must be switched on in Adobe Acrobat in order to view it correctly.

- a) A CMYK vector object colored 50% Magenta is set to overprint a CMYK vector object colored to 50% Cyan 100% yellow.
- b) A CMYK vector object colored 50% Magenta is set to overprint a Device Grey vector object colored to 50%
- c) A CMYK vector object colored 50% Magenta is set to overprint a solid vector object in Spot color GWG Green.
- d) A CMYK vector object colored 50% Magenta is set to overprint a multiple Spot shading using GWG Green and pantone 265C.

## Notes

Great care needs to be taken when evaluating the results of amalgamation tests which incorporate this patch. This patch is capable of introducing issues that will force the amalgamating application to miss-handle other patches that are grouped with this patch.

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10 Jan 2006

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