

Guideline for supplying CtP data

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This document explains the prerequisites for the delivery of PDF files for digital plate production.

For generating PDF files you should use the preference files, which can be downloaded from our home page

[http://www.mohnmedia.de/Info/Production guidelines](http://www.mohnmedia.de/Info/Production%20guidelines)

The latest version of this document can also be found here.

2.1 PRODUCTION TEST

Before production begins, it is absolutely vital for you to send us test files of a few technical representative pages including reference print-outs. We will then check that the test data comply with production guidelines, and put together the results of the checks in a test report for you.

The test files will be our reference for the production data supplied. If the latter are different in any way, and this has not been agreed, you may have to pay additional processing costs.

2.2 WORK PAGINATION

If you use work pagination, we need a reference list for the sequence of pages in the resulting print product. This must match the print sheet, and be sent along with the first delivery of production data.

2.3 FILE FORMAT PDF

We have a single page workflow system. For an optimal workflow, we require one PDF-file for each page.

3 mm of bleed are required. Relevant information should be at least 3 mm within the net page format.

If you are using rasterized images or data in a PDF (f.e. redigitised films or CT/LW), then you must set the resolution to 2400 dpi and the screen angles for cyan to 15°, magenta to 135°, yellow to 0° and black to 165°.

2.4 PDF/X

You may supply us PDF/X-1a files up to PDF/X-4. But PDF/X is however not a requirement.

Please inform us in advance, if you want to supply us with cross media PDF/X-3 files (f.e. RGB or Lab colorspace) without contract proofs.

2.5 DATA COMMUNICATION WITH ENVOY

Envoy offers a secure data exchange solution. Data is encrypted and Envoy is resistant against interruptions even with large amounts of data. At the end of file transfer all users of the access account can be informed by email. Please contact us to setup an account (see contact details on page 1).

Envoy requires the installation of a client software.

2.6 CONTROL PROOFS

We need colour contract proofs for all pages. They must be identical to the content of the data.

2.7 BLACK OVERPRINT

Our RIP uses the overprint settings as in your document.

Only 100% black text up to 6 pt and 100% black lines up to 1 pt are automatically set to overprint.

In all other cases knockout elements will remain as they are but can be trapped, to avoid fine white lines in print.

2.8 THICKNESS OF LINES AND FONT SIZES

The smallest in offset printable positive or negative non-rasterized line is 0,05 mm.

The smallest printable negative font size is 6 pt.

2.9 COLOUR MANAGEMENT

In a pure CMYK process all objects in a PDF file must be converted to CMYK. Other colours or colour spaces will be converted using a standard profile. This may give unexpected colour results.

Profiles in PDF files or objects are not handled by our system.

Other information on colour management can be found in Chapter 5.

2.10 DATA ARCHIVING

We are in the assumption, that the files we receive are copies of your data. In not otherwise agreed, we will delete your files 3 months after end of production.

3.1 BLACK ONLY VERSION OR LANGUAGE CHANGE

In black only versioning the base data from cyan, magenta and yellow are combined with the black data from the version.

Therefore the files must be produced according to these specific rules:

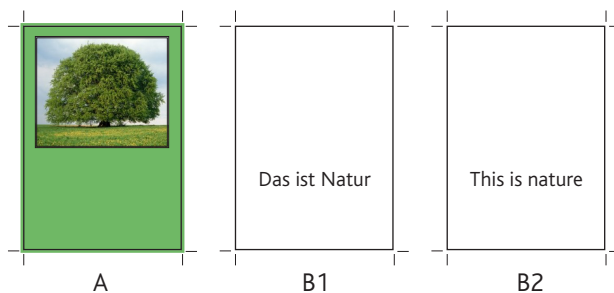
1. All objects of a version must be coloured in black und be set to overprint.
2. No coloured nor negative objects are allowed to change.

In the following we describe the way to produce files for black only versioning.

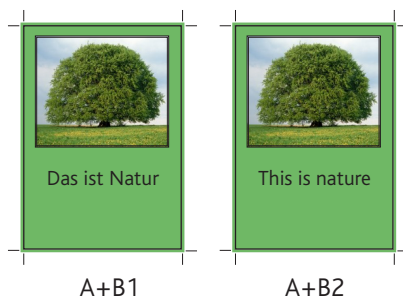
3.2 VERSIONING TYPE

Neutral base (A): composite-PDF, no version objects and one page per file.

Change version (B): only version objects coloured in black, one page per file, background set to transparent and page size identical to that of the neutral base.



With this we got the following result in print:



The file name should give a unique reference to the version or language. Within a version apart from the page number the file name remains identical.

Example:

0001_GB_testcatalogue.pdf

0344_DE_testcatalogue.pdf

4.1 GENERATING PDF

For a high quality PDF file we advice to use the InDesignCS5-PDF-Export. On our homepage we offer CS5-Joboptions as download.

For using QuarkXPress it's important to write PostScript and convert this to PDF in the Acrobat Distiller. Please remember that PostScript can not handle transparencies.

Take care that your pictures are placed in a resolution of 350 dpi in 100% scale.

5.1 IMAGE REPRODUCTION AND INK COVERAGE

- The total ink coverage (TIC) should not exceed the ISO specifications.
- If the printed product will be laminated or varnished the total ink coverage should not exceed 280%.
- Printable tonal values range from 2 to 98%.
- In multi-colour print black full tone areas should have a 40% cyan to give a rich black.

5.2 CORRECTIONS

Corrections or differences between proof and data should be indicated on the contract proof.

5.3 DIGITAL CONTRACT PROOF

Base for the digital contract proof is standardized offset print according to ISO 12647-2.

Please use the UGRA/FOGRA ISO profiles to simulate offset print.

5.5 COLOUR REFERENCE VALUES

Colour reference values for comparing measurements are those of the ISO profile as supplied by the Ugra/Fogra Media colour bar Version 2.0.

Basis for a visual comparison are the Altona Testsuite as well as some representative pages out of production.

5.6 LIGHT CONDITIONS

Light conditions for verifying originals, proofs, press proofs and printed materials are D50.

Paper type 1:	ISOcoated_v2 (ECI)	Fogra 39	115 g/m ²	glossy coated, white and free of wood
Paper type 2:	ISOcoated_v2 (ECI)	Fogra 39	115 g/m ²	matt coated, white and free of wood
Paper type 3:	PSO LWC Standard (ECI)*	Fogra 46	65 g/m ²	glossy coated LWC
Paper type 4:	ISOuncoated	Fogra 29	115 g/m ²	uncoated white offset
Paper type 5:	ISOuncoatedyellowish	Fogra 30	115 g/m ²	uncoated yellowish offset
Paper type-SC:	SC Paper (ECI)	Fogra 40	60 g/m ²	glossy coated web offset

* Please use PSO LWC Improved (Fogra 45) for improved LWC papers with a much brighter paper tone. In this case please contact our colour management expert (see page 1).

The different ISO profiles can be found at <http://www.eci.org>

Each proof should contain the standard CMYK Colour Wedge Version 2.0 or later, the applied profile, date of output and calibration date.

5.4 PROOF PRINT OR PRESS PROOF

A proof print or press proof must be produced in standard offset print according to ISO 12647-2.

- Printing Substrate
Proof print is made on the paper stock used for final print or on a similar quality paper.
- Print Control Elements (proof)
Print control elements which are compatible to BVD/Fogra/Ugra standardisation are to be utilised for all colours for copying and printing.