

Guide to CtP data delivery

1 CONTENTS

Main contacts and addresses

2 GENERAL

Prerequisites for data supply

3 CHANGE OF VERSION OR LANGUAGE

4 PDF CREATION

5 REPRODUCTION AND PROOF INSTRUCTIONS

Definition of relevant parameters for creating
production-ready CMYK files for offset printing

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2 DATA SUPPLY GUIDELINE

Over the following pages, we would like to introduce you to a few basic prerequisites for delivering PDF data for CtP production. Our automatic preconfiguration files can make your PDF-creation simple and helps to ensure compliance. Automatic preconfiguration files are available for download from our homepage:

<http://www.mohnmedia.de>

>Information>Data delivery>"Guideline for supplying CtP data"

You can also find the most up-to-date version of the guide on this website.

2.1 PRE-PRODUCTION FILE TESTING

A few PDF-files must be tested prior to production. These files have to be representative of the original files which will be used for printing.

This data will only be tested by us from a technical point of view. We will report our findings back to you. So you can take further action, if needed.

We use the test data as a reference for the production data supplied. If there are any deviations that have not been agreed upon, you must expect increased processing costs.

2.2 WORK PAGE FOLIO

If you use a work page folios you must supply a reference list for the sequence of pages in the final product.

The list must match the sequence and number of the pages on the signature overview. This list must be sent along with the first production data.

2.3 PDF DATA FORMAT

Our workflow is based on single pages. Ideally, you supply us with one page per document. For an optimum production process, version 1.3 PDF files must be supplied.

The bleed must be at least 3 mm. All relevant information must be placed at least 3 mm from the net format.

If you include screened data in your PDF file, it must have a resolution of 2400 dpi and screen angles which are PSO-compliant. If this is the case you need to inform us beforehand.

2.4 PDF/X

We do not require PDF/X. But if you want to supply PDF/X files, we require the PDF/X-1a type. Make sure to use the correct colour profile settings (see chapter 2.10 on Colour Management).

2.5 DATA TRANSFER WITH ENVOY

Envoy is a tool for the secure exchange of data. The data is encrypted and in case of a disruption the transmission will start automatically again – even in cases of large quantities of data. After transfer is completed an email is automatically sent to all users configured for your transfer folder. We will be happy to set up an access for you. All you need to do is to install a client locally or use a web browser (see main contacts on page 1).

2.6 OVERPRINTING IN BLACK

Our RIP leaves all overprinting settings the way they are defined in the document.

Only 100% black text with a font size of up to 6 points is set to overprint automatically by our RIP.

2.7 INCREASE OF BACK-EDGE MARGIN WITH PERFECT BINDING PRODUCTS

If images, texts or other important elements of a double-page spread across the inner margin of a perfect bind product, the required increase of the back-end margin needs to be taken into account during layout. This increase helps to avoid the loss of elements which is caused by the clamping of the glued cover. This increase of the back-edge margin should be 4 mm for inner pages and 5 mm between the inner front- and backcover page and the belonging inner pages. Thus readability and a harmonic transition can almost be guaranteed. Upon request we can send you a description. Further information can also be found on our homepage in the area Information>Guidelines>"Bookbinding processing of brochure covers".

2.8 LINE WIDTH/FONT SIZES

The minimum positive and negative width of a line in offset print is 0.05 mm.

The minimum reproducible size of is 6 pt.

2.9 DATA OPTIMISATION

Your data will be optimised with regard to the following parameters when it is processed in our RIP:

1. Colour optimisation,
2. Trapping,
3. In case of CMYK productions, spot colours are converted,
4. Double pages are split into single pages,
5. Half-tone image resolutions above 350 dpi will be converted down to this value

2.10 COLOUR MANAGEMENT

For a CMYK-only production, all PDF file elements (incl. spot colours) must be converted into the corresponding CMYK ISO profile according to the UGRA/FOGRA standard (see table in chapter 5.3). To this end you can download and use the InDesign export style from our homepage.

Please make sure that the colour profiles are set up in the following directories for Mac/PC:

Mac: "/Library/ColourSync/Profiles"

PC: „WINDOWS\system32\spool\drivers\colour“

When creating a PDF file from Adobe InDesign it might happen that a 100% black is converted to a 4 colour black. This must be avoided for jobs with a black version change. We are happy to help you in this case.

Colour profiles in or attached to the PDF are ignored in our RIP. RGB elements in the PDF file, which must be converted by us into CMYK, can result in a false colour. Further information on Colour Management can be found in chapter 5 "Reproduction and proof instructions".

2.11 DATA ARCHIVING

We assume that we will receive a copy of your data for production. Unless agreed otherwise, the data will be deleted by Mohn Media three months after the end of production.

3.1 CHANGE OF VERSION AND LANGUAGE IN BLACK

For productions that involve changes only in the black separation, the cyan, magenta and yellow basic data will be combined with the black data for the changes in question.

To this end, the data supplied must be created in accordance with the following important basic prerequisites:

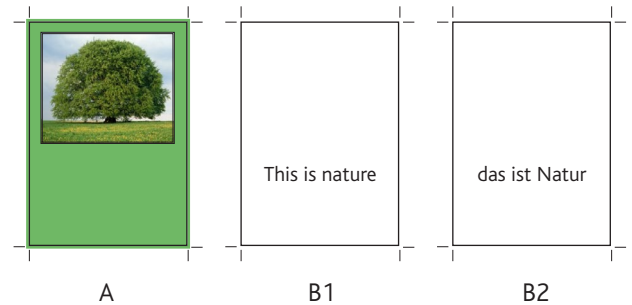
- a) All changing elements must be black only, must be set to overprint and must not contain any transparencies.
- b) Coloured/negative elements must not change.

In the following we describe the version change in black only which allows us to make a blue print corresponding to the final print result, if 2 conditions A) and B) are fulfilled:

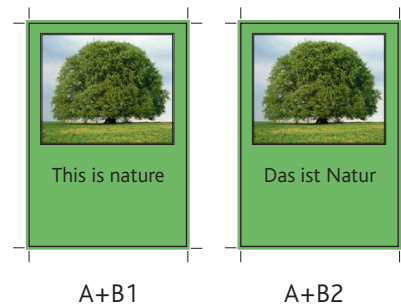
3.2 CHANGE VARIANT

Neutral base (A): composite PDF, without changing elements, one page per file.

Change (B): only changing elements in black only, one page per file, background without white elements that would interfere or cover the base, full page size as in base file.



When printed together, this produces the following results:



The file name must make it easy to identify the respective language/version in question. Within each respective version, the file name must be the same.

Example:

0001_GB_samplecatalogue.pdf

0344_DE_samplecatalogue.pdf

4.1 PDF CREATION

For creating PDF files we recommend the PDF export function in InDesignCS. We have provided a PDF export template for this purpose on our homepage (see chapter 2 DATA SUPPLY GUIDELINE).

If you use QuarkXPress, we recommend that you write a PostScript file and use Acrobat Distiller to convert to PDF. See on our homepage in the area Information>Guidelines>"Preconfiguration file – Adobe Acrobat Distiller"

Please ensure that the images have a resolution of 350 dpi at 100% scaling. The file size may otherwise be unreasonably large.

5.1 IMAGE REPRODUCTION AND INK COVERAGE

- The total ink coverage (TIC) may not exceed the specifications stated in the ISO profiles (see chapter 5.3)
- If the printed product will be laminated or varnished the total ink coverage may not exceed 280%.
- The printable tonal range is between 2% and 98%.
- In case of CMYK or multi-colour printing a full-tone black must have a 40% cyan underneath it.

5.2 COLOUR CORRECTIONS

Diviations (i.e. Colour corrections) between digital colour proof and final data must be indicated on the digital colour proof.

5.3 DIGITAL COLOUR PROOF

The proofing process is based on (the so called) "standardised offset printing" as per DIN-ISO 12647-2.

Fore simulating the (intended) print result, the ISO profiles as per the UGRA/FOGRA standard should be used.

5.4 REFERENCE COLOUR VALUES

The reference values of the ISO profile for the UGRA/FOGRA media wedge are used as reference colour values for technical control. The Altona Testsuite, Roman 16 and a few representative job pages are used as the basis of the visual comparison.

5.5 SAMPLING

Templates, proofs and production prints are to be compared under lighting conditions D50 as per ISO 3664:2009.

Paper type 1/2:	ISO Coated v2 (ECI)	Fogra 39
Paper type 3:	PSO LWC Improved (ECI)	Fogra 45
Paper type 3:	PSO LWC Standard (ECI)	Fogra 46
Paper type 4:	PSO Uncoated ISO12647 (ECI)	Fogra 47
Paper type 5:	ISO Uncoated Yellowish	Fogra 30
Paper type SC:	SC Paper (ECI)	Fogra 40
Paper type MFC:	PSO MFC Paper (ECI)	Fogra 41
Paper type SNP:	PSO SNP Paper (ECI)	Fogra 42
Paper type INP:	PSO INP Paper (ECI)	Fogra 48

The ICC profiles of the paper types can be downloaded from the following website:

<http://www.eci.org>

Each proof must have the current CMYK Colour Wedge (Version 3.0) and a status bar with the applied profile, the output date and the calibration date.