



Newspaper offset: technical information for direct customers

TECHNICAL INFORMATION

Requirements

You have a finished newspaper available in a digital format and would like to have it printed. Please observe the Newspaper Offset Technical Information for Direct Customers from Druckzentrum Zürich.

Delivery of printed materials for our CtP production takes place digitally using the latest available technology. You can find the required technical parameters in the following description. Please define and test in advance with our technicians the technical specifications for the production of exposure-ready files for each product. This includes all details and information about production and page formats.

Information on newspaper printing at Druckzentrum Zürich

| | |
|--------------------------|---|
| Screen ruling | 60 l/cm |
| Dot shape | hybrid screening method (round dots) |
| Dot gain | with 50% C/M/Y/S = 26% (following Murray-Davis format) |
| Screen dot | first printed toner 2% at picture completion 3% |
| | at depth 95% |
| Area coverage | max. 260% |
| Recommended grey balance | cyan 30%, magenta 24%, yellow 24% |

Proofs

The proofs must meet the requirements of ISO 12647-3 in terms of dot gain and spectral colour properties. A proof must exhibit an **Ugra/FOGRA Media Wedge V 2.0** as a control tool in order for it to be tested, otherwise the template cannot be accepted as colour-accurate.

Document format

| | | | |
|------------|--------------|------------------|--------------|
| Broadsheet | 317 x 470 mm | layout area max. | 297 x 440 mm |
| Tabloid | 235 x 320 mm | layout area max. | 220 x 297 mm |
| Panorama | 640 x 470 mm | layout area max. | 615 x 440 mm |

Please see layout at the end of this document for precise specifications for single pages in tabloid format.

Exposure resolution

1270 lpi

Image resolution

60 l/cm screen ruling **200 dpi** (minimum for all papers)



Raster

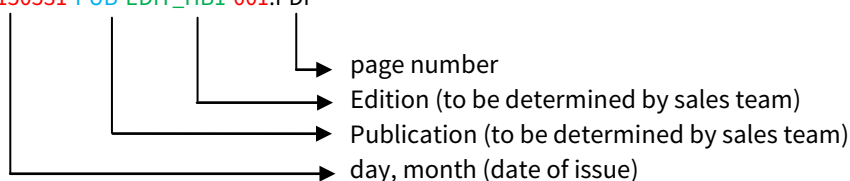
| | | |
|-------------|-----------------------|---|
| Standard | 45 g/m ² | ISO 59° brightness 122 lpi (60 l/cm screen ruling) |
| Standard | 48.8 g/m ² | ISO 59° brightness 122 lpi (60 l/cm screen ruling) |
| Snowprint | 48.8 g/m ² | ISO 69° brightness 122 lpi (60 l/cm screen ruling) |
| * Snowprint | 60 g/m ² | ISO 69° brightness 153 lpi (60 l/cm screen ruling) |
| * Edelweiss | 60 g/m ² | ISO 80° brightness 153 lpi (60 l/cm screen ruling) |
| * PrePrint | 70 g/m ² | ISO 109° brightness 153 lpi (60 l/cm screen ruling) |

Product labelling

The Druckzentrum requires clear product identification, as further processing in the printing centre is aligned with this product labelling and cannot be changed (see the example).

File name

20150531-PUB-EDIT_HB1-001.PDF



The hyphens between issue date, publication, edition and page number must be observed.

File delivery

FTP server Druckzentrum Zurich
Server: ftp.tamedia.ch
User: ZH_DZZ
Password: Zeitung8000
Email
plattenherstellung@tamedia.ch
Storage medium
USB-Stick, CD-ROM

TECHNICAL INFORMATION FOR PDF

Images/colours

Convert RGB images, Pantone and spot colours to CMYK. The ICC profile (ISO newspaper26v4.icc) can be downloaded from the following address:
<http://www.zeitungsdruck.ch/druckzentrum-zuerich/downloads.html>

Saving the pages

Each page must be saved as a single PDF. Saving several pages in the same PDF leads to problems and additional work when the PDF is processed in the print facility.

Save file without registration marks, crop marks and other auxiliary characters.
Save file as a composite PDF.

Compression

Colour and grey-scale images: For the best quality, recalculate to **200 dpi** (standard paper) or **300 dpi** (special paper). If image resolution is higher than 400 dpi, use automatic compression ZIP/JPEG = maximum. Black-white Bitmap image: recalculate to 1270 dpi – manual compression CCITT Group 4.

Fonts

All fonts **embedded**, no sub-groups.

File format PDF

Standard PDF/X-1a ; X-2; X-3; X-4

Manual for making a PDF/X file > see <http://www.pdfx-ready.ch>

CONTACT ADDRESS**DZZ Druckzentrum Zürich AG**

Plattenherstellung
Bubenbergstrasse 1
8021 Zürich

Plate production manager

K. Pechlaner 044 248 49 11 Email: kurt.pechlaner@tamedia.ch

Production

Operating CtP 044 248 49 13 Email: plattenherstellung@tamedia.ch



TABLOID DESIGN SPECIFICATIONS

Customer to deliver as **single pages**. **Tabloid Panorama pages** and **pages across gutter** have to be **delivered as single pages**, too.
Druckzentrum Zürich will assemble pages in correct order.

