

HANNANPRINT PREPRESS

PDF File Specifications

Updated November 2012



HANNANPRINT

Page Layout

1. All pages to be created with correct trim size with page geometry (the trim box and bleed box) defined.
2. All pages to have a minimum of 5mm bleed on all edges of the page, 8mm recommended.
3. All pages to contain trim marks offset by a minimum of 5mm, 8mm recommended.
4. Minimum 8mm type free area, 10mm recommended for larger paginations to allow for creep compensation.
5. Express jobs to have a non image area of 10mm on all page edges except the spine.

Type

1. All fonts to be embedded.
2. Single colour type to be no smaller than 8 points.
3. Reverse and multi colour type to be no smaller than 10pt bold.
4. Black type smaller than 24 points to be made up of Black only and set to overprint (except when above Metallic or Fluoro PMS colours).
5. Black type above Metallic or Fluoro PMS colours to be set to knockout.
6. Black type larger than 24 points should be made up using Rich Black (Black 100% + 50% Cyan).
7. Type with extremely thin serifs should be avoided.

Thin Lines

1. Solid (100%) Black thin lines to be a minimum thickness of .08mm.
2. Reverse, multi colour and tinted thin lines to be a minimum thickness of .25mm.
3. Thin lines should be made up of single colour only to avoid mis registration.

Perfect Bound Products

1. Pages should not contain double image.

NOTE: We do not recommend using double image in spreads because we feel it is not ideal for all pages in the magazine. In our experience double image is slightly better for approximately the first 30 pages and last 30 pages of a perfect bound magazine; for the pages in the middle it is not ideal because when reading these pages the magazine flaps open and the reader can see into the spine. If double image is required please consult with Hannanprint technical services.

2. Spine to be supplied as a part of the Outside Front Cover. E.G. if the spine margin is 6mm and the page trim size is 275mm X 210mm then the OFC should be supplied 275mm X 216mm.

Flipped Pages

1. Magazines with flipped pages should be supplied flipped. I.e. rotated 180°.
2. Magazines with flipped pages should be named using absolute file naming (see table 4 below) from the first page to last page inclusive of any pages that are rotated.

Images and Colour

1. Print colour standard to be chosen after collaboration with Hannanprint technical services.
2. Images to be separated using the Hannanprint supplied ICC profile for the chosen print colour standard; this profile will set the correct the cmyk separation & total ink limit. See table 1 below.
3. No embedded ICC Profiles.
4. All supplied proofs must be 3dapv3 or ISO12647 compliant containing a certified proof label.
NOTE: for more information visit www.3dap.com.au
5. Images resolution to be 300dpi at 100% scale.
6. All Images to be supplied CMYK, no RGB or LAB colour.
7. No pantone or spot colours in 4 colour process products.
8. Spot colours names should match standard Pantone library spot colour names.
9. Solid Black panels should also contain a 50% tint of cyan to ensure a rich black.
10. White elements to be set to knockout.
11. All proofs and printed material to be viewed under correct lighting in accordance to ISO 3664

Table 1. Printing Colour Standards

PAPER TYPE	PRINT STANDARD	SEPARATION PROFILE
Coated	3dapv3 PT1 - ISO Coated 39L	HP 3DAPv3_PAPERTYPE-1_300.icc
Light Weight Coated	3dapv3 PT3 - ISO Web Coated 28L	HP 3DAPv3_PAPERTYPE-3_280.icc
Supercal	PSO Supercal 40L	HP ISO_SC_paper_40L_TAC270_eci.icc
Improved Newsprint	HPIN - Hannanprint Improved News	HP Improved News_BO29L_TAC270.icc
Uncoated White	ISO Uncoated White - 29L	HP ISO UncoatedWhite_29L_TAC270.icc

PDF File Format

1. PDFs with Spot (PMS) colours to be created as PDF 1.4 files (containing live transparency).
2. PDFs without Spots to be created to the ISO PDF/X-1a:2003 standard as specified in: ISO 15930-4:2003 Graphic technology -- Prepress digital data exchange using PDF -- Part 4: Complete exchange of CMYK and spot colour printing data using PDF 1.4 (PDF/X-1a)
3. Single page press ready PDF file for each page. No multi page PDFs.

Table 2. PDF/x1a:2003 file Requirements

WHATS REQUIRED AS PER PDFX-1A:2003	WHATS PROHIBITED AS PER PDFX-1A:2003
PDF 1.4 (Acrobat 5.0).	Live transparency.
Transparency must be flattened	Layers.
CMYK colors, named spot colors. (No RGB or device-independent (color-managed) data.).	Encryption (Security).
Fonts and images embedded.	Form fields.
Page geometry (the trim box and bleed box) defined.	Interactive elements including movies, sounds, buttons, and hyperlinks.
Intended printing standard (output intent) For example: 3dapv3 PT1 - ISO Coated 39L.	Annotations within the bleed box.
Trapping key (Yes = True, No = False) defined.	Pre-separated PDFs.
Title, creator, producer, creation, and modification dates.	Transfer functions.
	Actions and JavaScripts.
	Embedded Postscript.

File Naming Conventions

Uniform descriptive file naming is critical for ensuring correct handling of pages submitted to Hannanprint. Below are a number of file naming conventions that can be used. The actual sequence used in the naming convention is not critical, we only require that a single convention be strictly adhered to for all pages & that all pages contain all parts of the file naming convention. Only letters, numbers, underscores and full points to be used in file naming. All other characters cannot be used.

1. All pages to follow a single file naming convention that clearly identifies the product, issue & page position. Versions and Revisions to also contain version change flag, version id and revision number.
2. All revision pages to contain _R plus the revision number in the file name. E.g. _R1 for the first revision, _R2 for the second revision and so on. This clearly identifies which iteration of a revised page is in production.
3. All version change pages must contain _VC (version change flag) & the version identifier.

Table 3. Requirements for File Naming

PRODUCT	ISSUE	PAGE POSITION	VERSION CHANGE FLAG	VERSION ID	REVISION	EXTENSION
HPMAG_	2301_	p001_	VC_	NSW_	R1	.pdf

Table 4. Requirements for Version Change File Naming

VERSIONS EXAMPLES	VERSION ID
New South Wales	NSW
Victoria	VIC
ALL OTHER STATES	AOS
South Aust & Northern Territory	SA-NT
V1	V1
V2	V2
COMMON (ALL VERSIONS)	<i>* No Version Id required for common pages. These pages will be assigned into all versions</i>

Table 4. Absolute File Naming

PAGE POSITION	VERSION	REVISION	FILE NAME
Outside Front Cover	NSW	Original	HPMAG_2301_p001_VC_NSW.pdf
Outside Front Cover	VIC	Original	HPMAG_2301_p001_VC_VIC.pdf
Outside Front Cover	All Other States	Original	HPMAG_2301_p001_VC_AOS.pdf
Inside Front Cover	COMMON	Original	HPMAG_2301_p002.pdf
Page 3 (First page of text)	COMMON	Revision 2	HPMAG_2301_p003_r2.pdf
Page 96 (Last page of text)	COMMON	Original	HPMAG_2301_p096.pdf
Inside Back Cover	COMMON	Revision 1	HPMAG_2301_p097_r1.pdf
Outside Back Cover	COMMON	Original	HPMAG_2301_p098.pdf

NOTE: Magazines with flipped pages should be numbered using absolute numbering from the first page to last page inclusive of any pages that are rotated. Pages that are flipped must be supplied rotated 180°.

Table 5. Standard File Naming

PAGE POSITION	VERSION	REVISION	FILE NAME
Outside Front Cover	NSW	Original	HPMAG_2301_pOFC_VC_NSW.pdf
Outside Front Cover	VIC	Original	HPMAG_2301_pOFC_VC_VIC.pdf
Outside Front Cover	All Other States	Original	HPMAG_2301_pOFC_VC_AOS.pdf
Inside Front Cover	COMMON	Original	HPMAG_2301_p002.pdf
Page 3 (First page of text)	COMMON	Revision 2	HPMAG_2301_p003_r2.pdf
Page 96 (Last page of text)	COMMON	Original	HPMAG_2301_p096.pdf
Inside Back Cover	COMMON	Revision 1	HPMAG_2301_pIBC_r1.pdf
Outside Back Cover	COMMON	Original	HPMAG_2301_pOBC.pdf