

flightcheckprerequisites

The following are required in order for a PDF file to be considered a valid pass4press version 8 file:

- A PDF file shall be compliant to the ISO PDF/X-1a:2001 standard as defined by ISO 15930-1.
- A PDF file shall not be created with the Adobe PDFWriter product.
- A PDF file must either have no crop box defined or have a crop box set to the same size as the Media Box.
- A PDF must contain a valid Trim Box.
- No object in a PDF file shall be transparent.
- A PDF file shall not use Multiple Master fonts or Multiple Master instances.
- Embedded composite fonts which are not sub-set shall not be used in a PDF file.
- A PDF file shall not contain white text set to overprint.
- 16-bit images shall not be used in PDF files.
- PDF files shall not use layers.
- A PDF file shall not contain annotations that are set to print.
- The number of pages in a PDF file shall be exactly one.
- Total area of coverage (TAC) of elements on a page should not exceed 310 per cent.
- Resolution of colour and greyscale images shall not be below 150 dpi.
- Resolution of 1-bit images (either regular images or image masks) shall not be below 550 dpi.
- 1-bit images shall not use JBIG compression.
- Images shall not use JPEG2000 compression.

flightcheckwarnings

The following are not recommended in PDF files and should generate a warning in preflight:

- A PDF file should not contain objects that are completely off the page (as defined by the MediaBox).
- A PDF file should not contain custom UCR functions for objects in any colour space.
- A PDF file should not contain custom BG functions for objects in any colour space.
- A PDF file should not use black text smaller than 12 points that is set to knockout.
- A PDF file should not contain text that is smaller than 5 points or text that is smaller than 9 points and coloured with more than 2 colour separations.
- Resolution of colour and greyscale images should not be above 450 dpi.
- Resolution of 1-bit images (either regular images or image masks) should not be above 3600 dpi.