

Subject: GWG v4 introduction

Below you find a description of the differences between the GWG v4 and GWG v3 specifications.

PDF CREATION:

- Job options = identical, only the "Generic GWG" denomination was updated from output intent to the standard output intent of the selected market sector.
 - => ISOnewspaper26v4 for newspapers
 - => ISOCoated_v2_300 for magazines

PDF PREFLIGHT:

- Fine-tuning the PDF check profiles (e.g. additional checking of the fonts, deleting of old, unused things)
- When using Enfocus PDF profiles, it is necessary to use Pitstop Professional 9 / Pitstop Server 9.

PDF PREFLIGHT: summary of the modifications

3 new errors

- Error for document structure compression
(This option verifies if document structure compression is applied to (part of) the PDF document. This is a new PDF 1.5 function which can be achieved by applying compression object in Acrobat Distiller 6 or higher or by way of the Adobe Acrobat PDF's Optimizer – Clean Up. PDF documents with document compression cannot be opened in Acrobat 5 or lower versions).
- Error if font width in the PDF differs from that of the font file.
(The dictionary in the PDF document contains information on the character width of the real font. It is important that the width in the dictionary matches the real glyph width of the font. When using PDF files, this width depends on various things, namely: viewing, printing, fauxing (font replacement), reflow and searching for a term. Some PDF based ISO standards demand that the glyph widths in the dictionary and the glyph widths in the imbedded font type match).
- Error on missing glyph in font

deleted errors

- Completely imbedded composite font types : error deleted
- MultipleMaster font types : error deleted
- Producer is PDF Writer : error deleted
- NChannel colour space is used : error deleted

v4 versus v3: new checks

Image resolution:

- MagazineAds : warning <225 dpi, aside from error <150 dpi
- NewspaperAds : warning <150 dpi, aside from error <100 dpi
- 1bit: warning <800 dpi, aside from error <550 dpi
- Warning when courier font is used within Trimbox
- Warning when colour separation "All" is used within Trimbox
- Warning when "Wit Lineart" is set to overprinting within Trimbox
- Error in case of missing glyph
- Error for document structure compression
- Error when font width of PDF does not match the width of the font file

v4 versus v3: modifications

- Ignore all overprint warnings (b & w) outside of Trimbox
- Ink coverage: warning: value + 5% in case of lines or text with WOWG profiles
 - o MagazineAds = 305%
 - o NewspaperAds = 245%

- PDF/X output intent: warning when imbedded profile is not a recommended GWG ICC profile or 'Generic GWG' ICC profile.
- Hairline: currently 0,14 pts -> modified to 0,124 pts within TrimBox (this is not the case for MagazineAds and NewspaperAds)
- Page format cf. Trimbox (instead of MediaBox)
- Image resolution with a tolerance of 1%
- Types of notes
 - o Attachments, digital signatures, interactive forms: error + fix deleted
 - o Limited to PDF 1.3 notes
- Pantone colour list explicitly defined
- Ambiguous pantone colour definition
- Custom halftone is used = warning + fix
 - o no longer error + fix (only error + fix for non-PDF/X halftone)

v4 versus v3: no longer checked

- Double byte fonts: warning deleted
- Completely composite imbedded fonts: error deleted
- MultipleMaster fonts: error deleted
- Producer is PDF Writer: error deleted
- NChannel colour space is used: error deleted
- Note is set to print: error deleted + fix
- Image compression is not explicitly checked anymore (part of a general compression)
- Rendering intent is used: error deleted + fix