

GWG Document Standard and v4

Seligenstadt, Germany

June 12 2013

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Overview of Ghent Work Group

- **GWG is a predominantly graphic arts user-driven group, with some vendor participation.**
- **Goal of GWG is to produce best practices for graphic arts users.**
- **GWG publishes:**
 - **specifications on how to set up workflow to achieve consistent results, including consistent and predictable colour.**
 - **test suite files to verify correct behaviour of workflow.**
- **Most recent PDF/X document specification is GWG2012.**

GWG2012 Use of ICC Profiles

- **GWG2012 based on PDF/X-4, with restrictions.**
- **ICC usage:**
 - 3.14: MD5 hash used to identify ICC profiles.
 - 4.2: Only restricted, defined list of ICC profiles (all nominally v2) allowed as OutputIntent.
 - 4.24: Only ICC v2 profiles allowed.
 - 4.25: DeviceRGB, ICCBased*, Cal*, Lab not allowed.

Review of Issues

- **ISO 15076-1 specifies v4 ICC profiles only.**
- **GWG2012 usage of v2 profiles is specified using some v4 features (profile ID, assumption of colorimetric-based A2B1).**
- **Past observations suggest that v2 profiles built using v4-style assumptions are more consistent in use.**

- **v2 usage in GWG2012 driven by:**
 - Observation that some desktop graphics applications unexpectedly and incorrectly convert instances of embedded v4 profiles to v2 profiles.
 - Inability to specify v4 profiles for common prepress workflows.

Progress

- **Most recent GWG meeting in Ghent, Belgium June 5-7.**
- **Thanks to Stephan Jaeggi for creating set of ICC v4-based output test elements, currently in workflow testing.**
- **Test patches created in Adobe InDesign CS6, with embedded ICC v4 profiles.**

- **Test files here:**
- **http://www.jaeggi.info/download/GWG20x_ICC-V4-Profile-Testpatches.zip**

- **Consensus within GWG at meeting to allow v4 for future GWG document specifications.**

Thank you for your attention

Questions?