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Document number: 734-00065A-EN Rev C
Release date: 23 Nov 2004

Technical bulletin

Using Prinergy Overprint Handling with Altona Test Suite

Overprint Handling

Overprint Handling, available in Prinergy 2.2.1.5 and later, provides raster color management of overprinted objects by preserving the appearance of color-matched overprints. Raster color processing prevents unintended knockouts for overprinted objects in proofs that have been color matched using a process ICC profile. Overprint Handling is available with the Advanced Color Management licensed option. In Prinergy online help, Overprint Handling is described in Loose Page – ColorConvert Options and Imposition Proof–ColorConvert Options.

Altona Test Suite

The Altona Test Suite is a set of PDF files used to test a digital workflow, including refining, color matching, trapping, and proofing output. You can use the Altona Test Suite to check PDF/X-3 compliance and color accuracy for any combination of RIPs, color matchers, and trappers used in a composite PDF workflow for print production.

PDF/X-3 is a file format defined by an International Standard (ISO 15930-3) for digital file exchange using the Adobe™ Portable Document Format. PDF/X-3 defines restrictions and requirements for the use of PDF in print production over and above the Adobe PDF file specification (version 1.3).

The Altona Test Suite was developed by bvdm, ECI, FOGRA and ugra with substantial contributions from Olaf Drümmer, callas software gmbh, and Florian Süßl, MetaDesign AG.

The Altona Test Suite is available from: www.eci.org. The documentation package explains the elements of the Altona Test Suite Application Kit in detail, includes instructions for use (according to the terms of use), and all necessary information related to the standardized process control.

Refining the Altona Test Suite in Prinergy

1. Create a Prinergy Job.
2. Add the Altona input file(s).
3. In a Prinergy Refine process plan, set Refine to PDF (not PDF/X).
4. Optional: Set Trapping and Thumbnails.
5. In the Color Convert tab:
   - Select **Creo Color Match JTP**
   - Uncheck **Map All Spot Colors to Process** (disregard the other spot color control checkboxes)
   - Uncheck all overprint handling switches (for example, **Enable Gray Overprint**)
   - Uncheck **Override Embedded Profiles**
   - Uncheck all of the **From CMYK Images and Graphics** and **From RGB Images and Graphics** checkboxes
   - Check **Prefer embedded PDF/X-3 Output Intents for Final Output Profile**
   - Set all Rendering Intent list boxes to **From PDF**
6. Start Refine.

Outputting the Refined PDF file to an Ink Jet Proofer Using Overprint Handling

1. Select a proofing process plan.
2. Output to TIFF (or other raster format that supports contone data).
3. In the Color Conversion tab, select **Creo Color Match JTP** and uncheck **Use Alternate Color Definition from Color Editor** (if available).
4. In the Render tab, type `Shades = 256`, and make sure to un-check **Do Separations**.

Note: Any spot colors will automatically be converted to process colors.

5. In Match Colors, check:
   - **Match Colors in Page Content**
   - **Exactly as Applied During Refining**
   - **Overprint Handling - Raster**
6. Output the file.

Outputting the Refined PDF to a Halftone Proofer (for example, Spectrum)

Assuming that the halftone donor materials match the press inks colorimetrically, then color matching and overprint handling is not required—just output to a halftone proofer as you normally would. If the donors are different and you wish to use color matching, you must use the "Overprint Handling - Vector" setting.

About Creo

Creo is a world leader in solutions for the graphic arts industry. Core product lines include image capture systems; inkjet proofers; thermal imaging devices for films, plates and proofs; professional color and copydot scanning systems; and workflow management software. Creo is also an Original Equipment Manufacture supplier of on-press imaging technology, components for digital presses, and color servers for high-speed, print-on-demand digital printers.

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