

Prinergy and Prinergy Evo

Field Guide to Brisque Migrations

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Revision History

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Kodak

Prinergy and Prinergy Evo
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1. Overview [Draft]

This document is intended to serve as a guide to everything an Applications Specialist in should know in the field in order to perform a successful migration of Brisque systems to Prinergy Connect or Prinergy Evo systems. In some cases, the actual information and procedures is contained directly in this document. In other cases, this document has cross reference links to other documents that contain the actual information or procedures.

In an effort to get as much information as possible into the hands of people who are doing these migrations daily, it was decided to release this document in phases. The information contained in this document is incomplete but whatever information is here should be considered complete and accurate unless it is specified as DRAFT. To help you quickly locate actual information, the Table of Contents has one of the following labels for each section:

[TBS] – To Be Supplied – This section is empty in this version of the document.

[Draft] – This section contains information that has not been completely reviewed and approved. It is believed to be accurate but use it with caution.

[Partial] – The information in this section has passed draft status but is not yet complete. Addition information is TBS.

None – This section is final and can be relied upon as complete and accurate.

1.1. Prerequisites [TBS]

❑

1.2. Materials Required [TBS]

1.2.1 Software CDs or Kits [TBS]

❑

1.2.2 Documentation [TBS]

❑

1.2.3 Other Materials [TBS]

❑

1.3. Time Requirements [TBS]

1.4. Terminology [TBS]

The following terminology is used in the procedures in this document.

- **Enter** – Type the following **text** then press the ENTER key.
- **Type** – Type the following **text** but to NOT press the ENTER key.
- **Click** – Left click the mouse once on the specified button or option.
- **Double-Click** – Click twice on the specified icon or option.
- **Select** (menu) – Pull down the specified menu and select the specified option.
- **Select** (check box) – Ensure that the specified check box contains a check.
- **Clear** (check box) – Ensure that the specified check box does NOT contain a check.
- **Press** – Press the specified key or key combination on your keyboard (e.g. CTRL–ALT–DELETE)
- **<…>** – Indicates that you must replace whatever occurs between the angle brackets with the text that is appropriate in your case
- **<sys>** - Indicates the drive letter of the system drive.

2. Preparation

2.1. Verify Ordered Products [TBS]

2.1.1 Brisque Upgrade [TBS]

1) Current version < 4.1

2.1.2 Samba for Brisque [TBS]

1) Does the version of Brisque support Samba?
2) Does the Brisque need to be upgraded and if so, is hardware required?

2.1.3 Iris 43 Wide [TBS]

1) Jet Direct Required

2.2. Verify Prerequisites [TBS]

2.2.1 Brisque Reconfiguration Complete [TBS]

1) Software/hardware upgrades installed
2) Correct license keys
3) XPO installed and operational
4) TIFF workflow established
5) Reconfigured Brisque workflow stabilized satisfactorily

2.2.2 Veris Software Upgraded [TBS]

1) Upgraded Veris stabilized satisfactorily

2.2.3 Correct Prinergy License Keys [TBS]

3. Basic Platform Comparison

3.1. Brisque Terminology for Prinergy Users [TBS]

3.2. Prinergy Terminology for Brisque Users [TBS]

3.3. Screening Considerations [TBS]

3.3.1 Dot Shapes [TBS]

1) G-ratio

3.3.2 Screen Angles [TBS]

1) Measurement (0 north increasing clockwise?)
2) Difference between direct and TIFF output?
3) Configuring specific angle sets with config file

3.3.3 Screen Frequencies [TBS]

3.3.4 Mixed Screen Sets [TBS]

1) CMK = AM, Y = Staccato
2) PrintLink considerations

3.4. Trapping Considerations [TBS]

3.4.1 Vector vs. Raster Trapping [TBS]

3.4.2 Settings Comparison [TBS]

3.5. Overprint Considerations [TBS]

3.5.1 Settings Comparison [TBS]

3.6. Calibration Considerations [TBS]

3.6.1 Device Linearization [TBS]

1) Brisque – Xcurves
2) Harmony – Using Calibrated Data

3.6.2 Dot Gain Compensation [TBS]

1) Brisque – Tone Reproduction Curves (TRC)
2) Harmony – Calibration (Derived) Curves

3.6.3 Uncalibrated Color Bars [TBS]

4. Installation and Startup

4.1. Approaches to Establishing Dual Workflow [TBS]

4.1.1 Dual Connection to Lotem [Draft]

This procedure is intended for use during a short transitional period to provide output from both an existing Brisque system and a newly installed Prinergy or Prinergy Evo system. If dual workflow will be required for more than a few months, one of the other methods listed below should be considered instead of this procedure.

Lotems provide two separate input ports. The TSP port will already used by the Brisque prior to the start of the migration. The SCSI port is used by the Prinergy/Evo system through XPO software after completion of the migration. During the migration, it is possible to have both servers connected to the Lotem simultaneously.

Note: In order to ensure that work from the Brisque and the Prinergy/Evo system do not interfere with each other, follow the instructions in section 5.1 Controlling Output With Transitional Dual-Connect Workflow [Draft].

4.1.2 Processing Existing Brisque Jobs in Prinergy [TBS]

4.1.3 Prinergy Controlling Output Device [TBS]

1) Brisque Screen2Go to:
    a) Prinergy TiffDownloader
        i) Configuring and testing Print Console hot folders
        ii) Migrating media and plate sizes to Print Console
        iii) Installing Screen2Go license on Brisque
        iv) Configuring Samba on Brisque
        v) Setting up Screen2Go devices
        vi) Replicating plating JTs (including marks, curves, screening and placement)
        vii) Using Copydot Toolkit to verify TIFF files
        viii) Testing plate output for offsets
        ix) Translating Brisque Hold queues to Print Console queues
    b) XPO
        i) X8 resolution issues
    c) CSXpose
        i) X8 resolution issues
2) Brisque CT/LW to Prinergy Ceps Input

4.1.4 Brisque Controlling Output Device [TBS]

1) Prinergy TIFFs to Brisque
    a) Brisque Expose
        i) Rotation at Brisque – Orientation at Evo

ii) Translation at Brisque – Settings at Evo

b) TSP Card

2) Prinergy CEPS Output to Prinergy TIFFs to XPO / CSXpose / Brisque Expose

a) Brisque Expose

i) Rotation at Brisque – Orientation at Evo

ii) Translation at Brisque – Settings at Evo

b) TSP Card

4.1.5 Separate Workflows for Different Devices [TBS]

4.1.6 SCSI and Serial Switches [TBS]

4.2. Output Device Considerations [TBS]

4.2.1 Lotem Quantum [TBS]

4.2.2 Lotem Fiber Head [TBS]

4.2.3 Dolev [TBS]

4.2.4 Trendsetter [TBS]

4.2.5 Karat Press [TBS]

4.2.6 Other [TBS]

4.3. Proofer Considerations [TBS]

4.3.1 Iris 43 Wide [TBS]

1) Jet Direct Installation

4.3.2 Kodak Approval [TBS]

4.3.3 Veris [TBS]

4.3.4 Match Print Inkjet [TBS]

4.3.5 Integris [TBS]

4.3.6 Trendsetter/Proofsetter Spectrum [TBS]

4.4. Accessing Existing Job Data [TBS]

4.4.1 Timna [TBS]

4.4.2 Brisque Serve [TBS]

4.4.3 Brisque 3.x to 4.0 [TBS]

4.4.4 Brisque 4.1 [TBS]

4.4.5 Brisque 5.x [TBS]

4.4.6 UNIX File Servers [TBS]

4.4.7 Windows File Servers [TBS]

4.4.8 Apple XServe [TBS]

4.4.9 Samba on Brisque and/or UNIX Server [TBS]

4.4.10 Services for UNIX on Prinergy Server [TBS]

4.5. Spot Color Libraries [TBS]

4.5.1 Migration Tools and Procedures [TBS]

1) Kodak Approval
2) Iris 43 Wide
3) Other

4.5.2 Color Match Settings [TBS]

1) Output intent

4.5.3 Automatic Assignment to Marks [TBS]

1) Special names for color bar assignment
    a) SSiCustomColor

b) SSiCustom

c) SBI

4.6. Calibration Curves [TBS]

4.6.1 Migration Procedures [TBS]

1) See e-mail from Dan Blondal regarding migration procedure. Very manual & very complex.
2) Evo 3.2 automated migration tool

4.7. Ink Key Presets [TBS]

4.7.1 Comparison of InkPro and PrintLink [TBS]

4.7.2 InkPro [TBS]

1) Generating input files
2) Ink key presets report
3) CIP3 file
4) Reversing top and bottom of sheet (web)

4.7.3 PrintLink [TBS]

1) CIP3 files
2) Configurable PrintLink

4.8. Preps Considerations [TBS]

4.8.1 Where to store [TBS]

1) Templates
2) Marks
3) Printers

4.8.2 Migrating Preps Configuration [Draft]

1) Templates

   All your Preps templates will still work with Prinergy. You do not need to modify the templates themselves but you may want to store them in a different location as described in the following section.

2) Marks

   In order to use Preps PDF to PDF jobs with Prinergy, you must make PDF versions of the marks available. Fortunately this is generally very easy.

Prinergy Evo

a) Make a backup copy of the Preps Marks folder just in case

b) Select all files in the Marks folder

c) In Process Template Browser, drag the onto Refine to PDF-Imposition Marks in the Refine Imposition Marks to PDF group

d) Any mark that can be refined properly will have a PDF version added to Preps Marks folder and is now ready for use with Prinergy Evo jobs

e) Check the process history to see if any marks failed to refine. If so, correct the problem and re-refine. You may want to check with the customer to verify that the failed mark is actually required.

f) Repeat steps b) through e) on any subfolders that exist with the Marks folder

Note: Dynamic PostScript marks will not function properly in a PDF workflow even if they refine properly. A dynamic mark actually uses PostScript programming to gather information and format the output of the mark. PDF processing does not support PostScript programming. However, many of the functions performed by dynamic PostScript marks are available in Prinergy by other means such as Variable Marks. You can often replace a dynamic PostScript mark with a version that does not rely on PostScript programming.

4.8.3 PPD [TBS]

1) Handling plate sizes when no direct connection
2) Custom page sizes

4.8.4 Prinergy Floating Licenses vs. Dongles [TBS]

4.9. Fonts [TBS]

4.9.1 Normal Fonts [TBS]

1) Embedding
2) Installing

4.9.2 Asian Fonts [TBS]

1) Licensing
2) Embedding
3) Installing

4.10. Other Brisque Capabilities and Performance Considerations [TBS]

4.10.1 Color Matching Overprint Method [TBS]

4.10.2 Up-sampling Images to CT [TBS]

4.10.3 Cut2Go for Dielines to Vector EPS [TBS]

4.11. Disposition of Brisque [TBS]

4.11.1 Server [TBS]

4.11.2 Licenses [TBS]

4.11.3 Dongles ? [TBS]

5. Ongoing Operational Considerations

5.1. Controlling Output With Transitional Dual-Connect Workflow [Draft]

To set up a dual-connect workflow for use during a transitional period, see section 4.1.1 Dual Connection to Lotem [Draft].

Kodak recommends that you use manual control to select which workflow (Brisque or Prinergy) can send plate files to the Lotem to avoid possible problems with the two workflows attempting to control the Lotem at the same time. You should:

Lock Xpo Queue (on Prinergy Renderstation) when plating from Brisque.

Hold Queue on Brisque when plating from Prinergy via Xpo.

For the purposes of this discussion, the term Prinergy Renderstation refers to any of the following:

- A Prinergy secondary server configured as a Renderstation
- A Prinergy Evo server directly connected to the Lotem
- A Prinergy Connect EL primary server directly connected to the Lotem
- A Print Console system with TiffDownloader

Important Note about the shared access to the Lotem:

If the Prinergy Xpo Renderstation is physically powered off (rebooted) while the Lotem and Brisque remain powered up, the Prinergy Xpo Renderstation cannot reconnect to the Lotem PC Controller station (the Brisque connection will have taken full control of the Lotem).

To avoid this problem, consider shutting down the Brisque while rebooting the Prinergy Xpo Renderstation.

If the connection has been lost to the Prinergy Xpo Renderstation due to a reboot while the Brisque remained online, you will need to shutdown and restart the Lotem, the Brisque, and the Prinergy Xpo Renderstation to reestablish a shared connection to the Lotem.

1) Shutdown Steps:
    a) Prinergy Xpo Renderstation
        i) Stop Prinergy on Renderstation only
        ii) Exit Xpo software
        iii) Shutdown the computer
    b) Lotem PC Control Station
        i) Exit Lotem software
        ii) Shutdown the computer
    c) Lotem CTP
        i) Power off
    d) Brisque
        i) Power off
2) Startup Steps:
    a) Lotem CTP
        i) Power on

b) Lotem PC Control Station

   i) Power on computer

   ii) Launch Lotem software

c) Prinergy Xpo Renderstation

   i) Power on computer

   ii) Launch Xpo software and confirm that Xpo is connected to the Lotem PC Controller

   iii) Start Prinergy on the Renderstation (Includes the Prinergy Expose JTP which runs on the Renderstation)

d) Brisque

   i) Power on computer

   ii) Startup Brisque application

5.2. Processing Legacy Brisque Jobs

5.2.1 Refining Brisque .Job and .Page folders [TBS]

5.2.2 Refining Other CT/LW Files [TBS]

5.2.3 Preps Job Conversion Utility [Draft]

Use the following steps to convert a Brisque Job to Prinergy.

Note: Ensure that the customer's Preps marks have been refined to PDF as described in section 4.8.2 Migrating Preps Configuration.

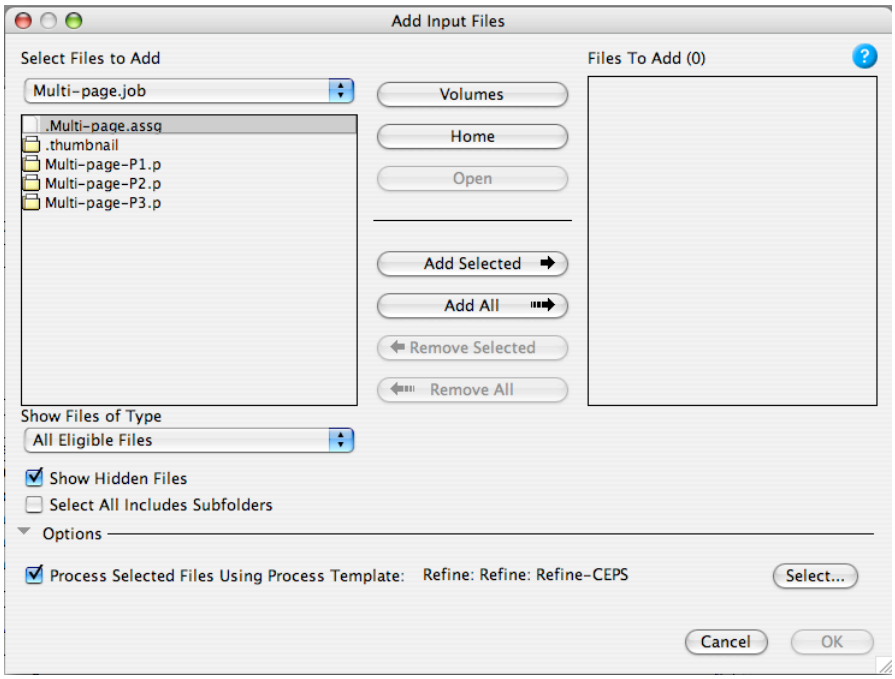
Procedure for Prinergy

Note: The Prinergy system must be licensed for Import Populated Job Ticket.

1) Create a new Prinergy job

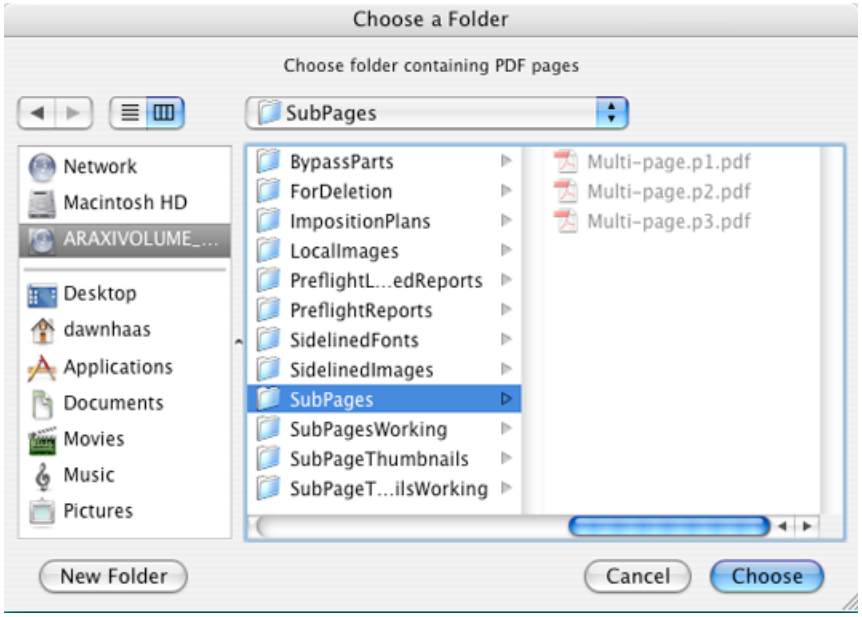
2) Refine all the CT/LW pages by adding the "top level" assg file (inside the .job) to Prinergy (it is important to add the top level assg as it is more convenient than adding individual page assg and the automatic assignment depends on it)

Prinergy



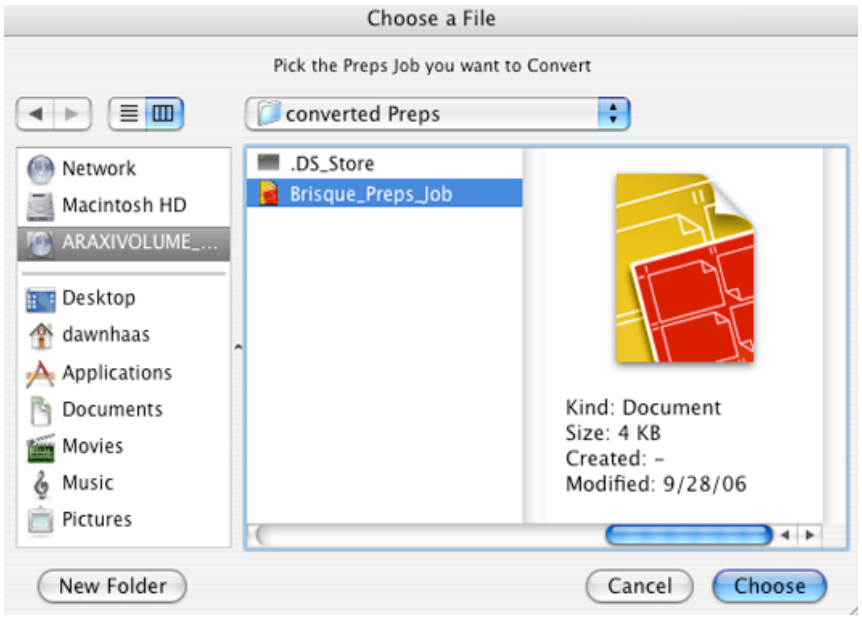
3) Launch the Preps Job Converter. You will be prompted for the location of the PDF pages. Choose the Subpages folder in the System folder of your Prinergy Job. The Prinergy Job Volume must be mounted via SMB and not AFP or the process will fail.

Prinergy



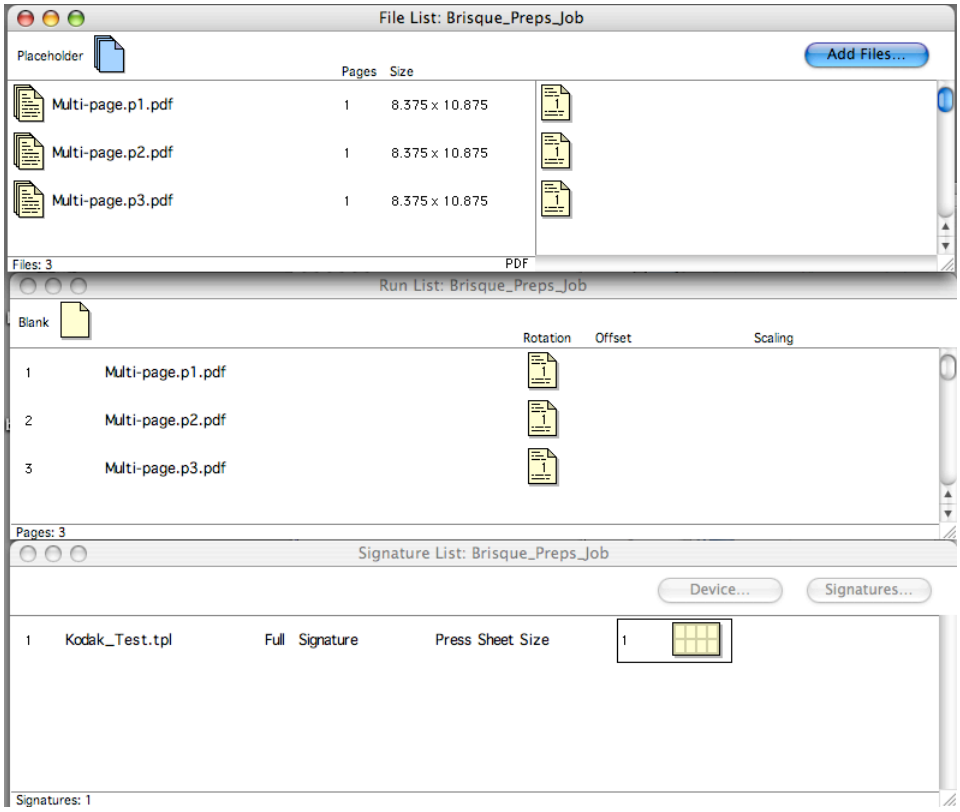
4) You will then be prompted to pick the Brisque Preps job to convert. This file will be overwritten with the Prinergy Preps Job.

Prinergy



5) Open the converted preps job and print a JDF or PJTF

Prinergy



6) Import the JDF/PJTF into Prinergy.

Procedure for Prinergy Evo [TBS]

5.2.4 ICF Output [TBS]

5.2.5 Output Marks [TBS]

1) Sheet Marks
2) Plate Marks

5.2.6 Location of Files [TBS]

1) Existing location accessed by Evo
2) Move to standard Evo location

5.2.7 Archiving [TBS]

5.3. PressTouch to Prinergy/PitStop Comparison [TBS]

5.3.1 Functions Commonly Done in PressTouch [TBS]

1) Converting named colors to spot or process colors
2) Converting color tints to spot colors

5.3.2 Equivalent Prinergy Functionality [TBS]

5.3.3 Equivalent Pitstop Functionality [TBS]

5.3.4 Manual Trapping [TBS]

1) Prinergy batch trapping
2) Prinergy Trap Editor

5.4. Changing Color Space of Output [TBS]

5.4.1 4-C Proofing with Screen2Go [TBS]

1) Brisque 4 – Rerip files to 4-C for proofs only
2) Brisque 5 – Hi-res compressed Combine function

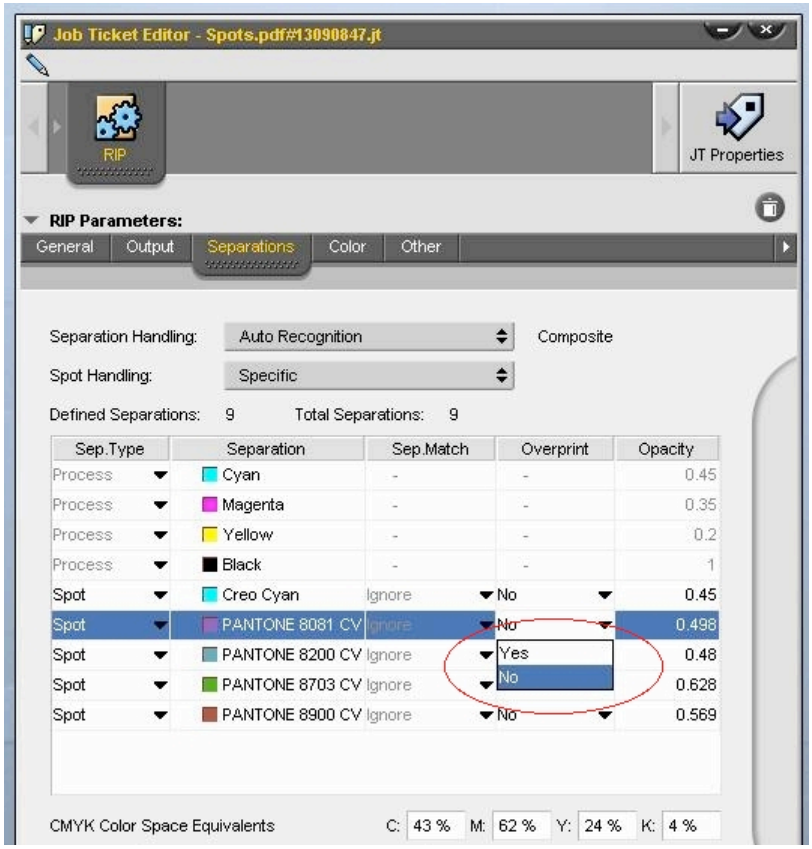
5.4.2 Grayscale Output [TBS]

5.4.3 Changing Overprint Characteristics by Color [Draft]

Use this procedure to tell Prinergy or Prinergy Evo to overprint a particular color, regardless of the overprint characteristics of the objects (and their colors) in a given PDF.

The Brisque interface has a place where you can basically say “irrespective of the overprint characteristics of objects, I’m only interested in colors, so set this color to overprint”.

Brisque 5

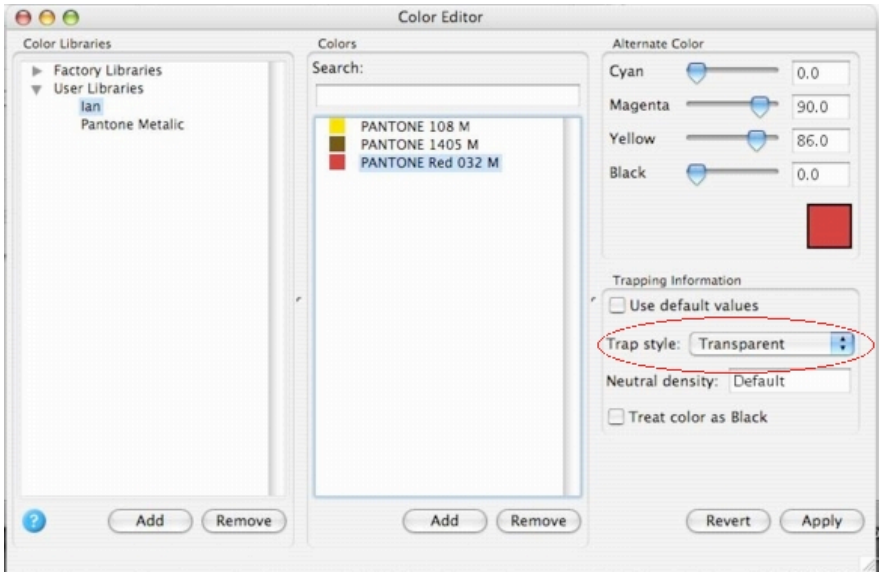


Prinergy can produce the same effect but the procedure is different. In Prinergy, the overprint characteristics of a color are influenced by two settings.

- The **Trap style** setting of the color in the Color Database
- The **Set Colors to Knockout** option in the Overprint Conversion pane of a Refine process template.

Use the following procedure to set the Trap style of a color to cause it to overprint.

Prinergy and Prinergy Evo

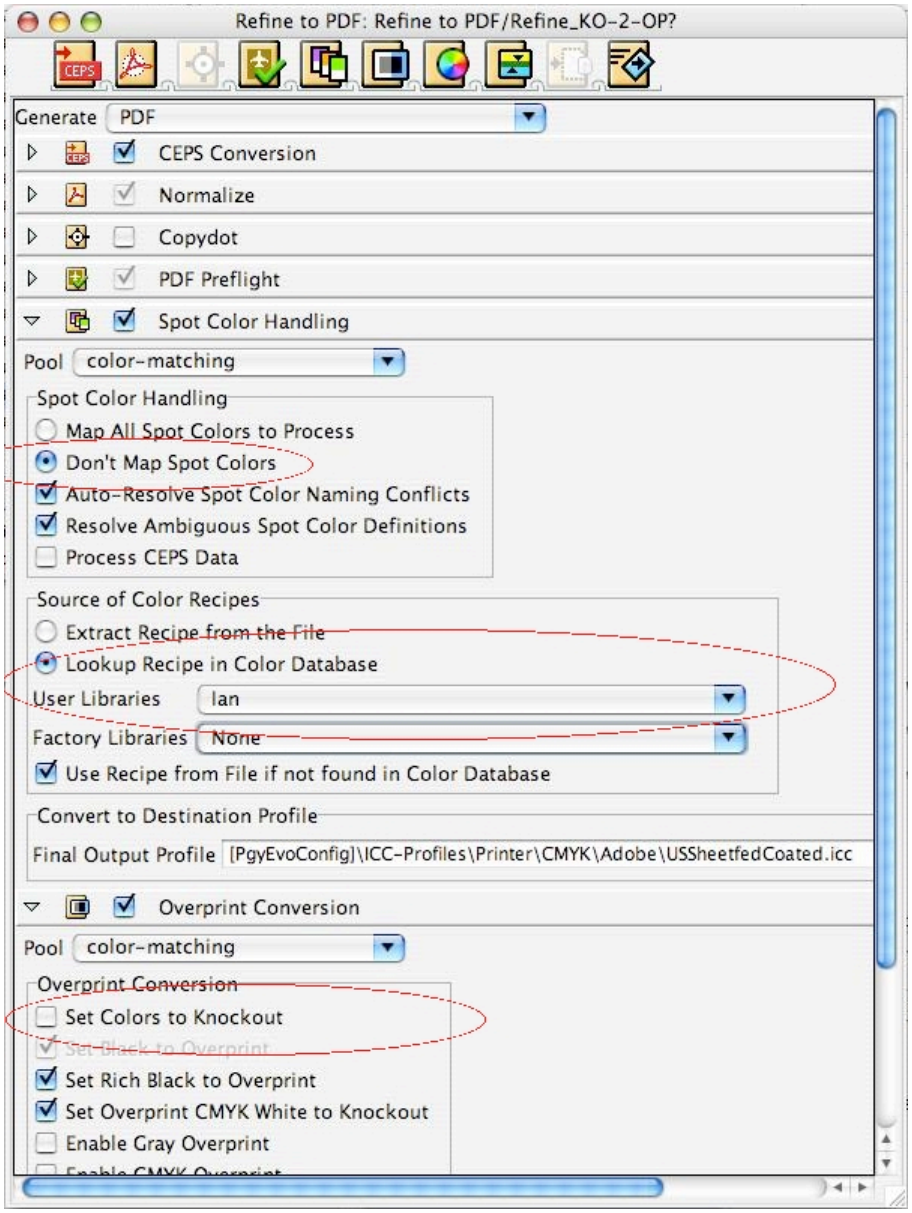


1) Open or create an appropriate User Library in the Color Editor
2) Add or select the color you want to have overprint
3) Change the **Trap style** to **Transparent**
4) Close the Color Editor

In this example, the PDF created in Illustrator- had a box with PANTONE Red 032 M and that box was not set to overprint in Illustrator. Therefore the red box would knockout the colors beneath it.

(Turning off "set colors to knockout", by the way, would not have changed the overprint characteristic of that red box to make it overprint. But if the red box had been set to overprint, instead of to knockout, then turning ON "set colors to knockout" would have changed the overprint characteristic to remove the overprint, and make the it knockout.)

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5) Select **Don't Map Spot Colors** so the color will not be converted to process

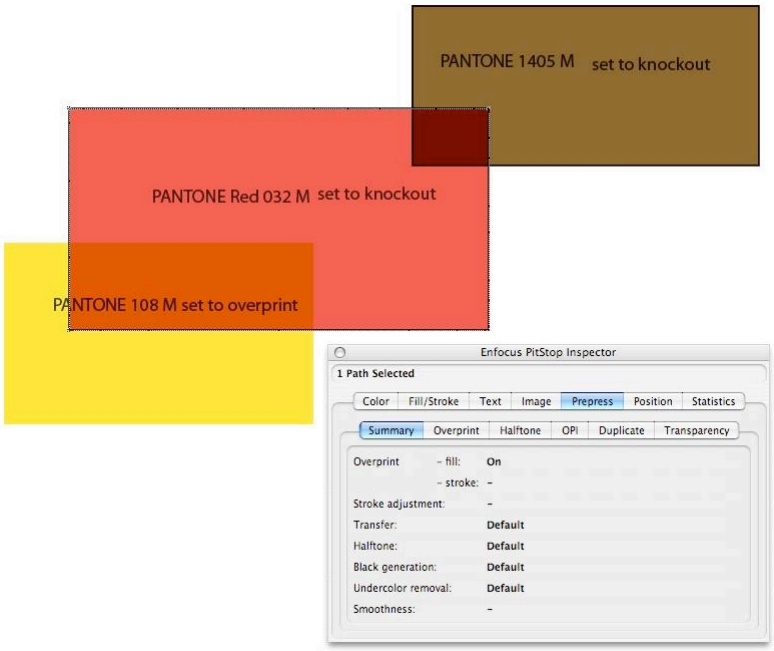
6) Select **Lookup Recipe in Color Database**

7) Select the **User Library** where you specified the color to be transparent

8) Deselect **Set Colors to Knockout** to allow other colors to overprint

Notice that I didn't have "set colors to knockout" checked in Overprint Conversion. That was because I also had a yellow spot color PANTONE 108 M set to overprint, and I wanted that overprint characteristic to be respected.

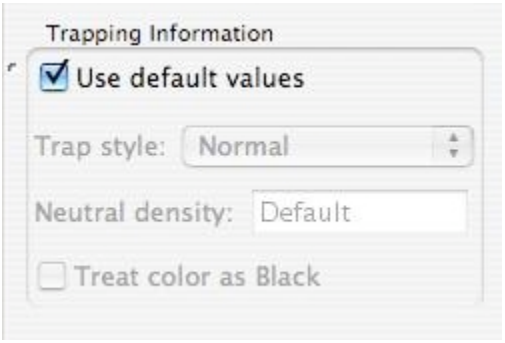
In the following illustrations, each colored block is labeled with the color and overprint setting that was assigned to it in the original Illustrator document

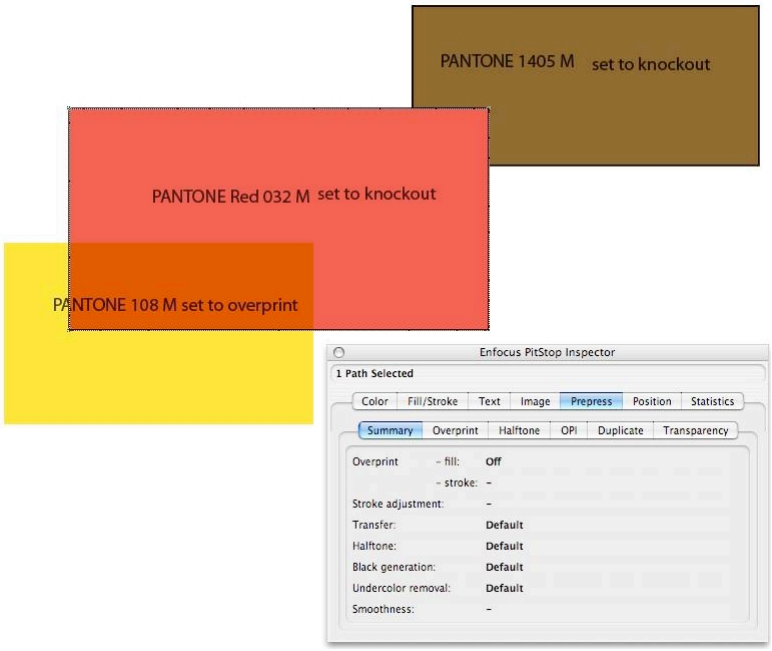


The Pantone Red has changed to overprint, when examined in Acrobat using Pitstop.

Now let's see what would have happened if we had chosen Normal in the Color Editor instead of "transparent".

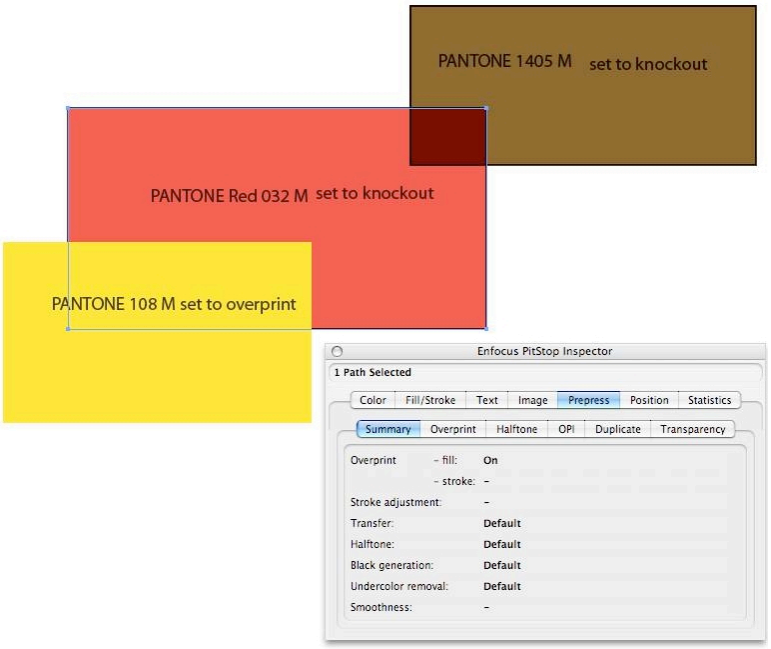
Prinergy and Prinergy Evo





The Red PANTONE Red 032M went back to knocking-out, as the designer had intended.

Now what would happen if we changed the opacity of the Red back to transparent but checked the "set colors to knockout" box?



The yellow color knocked out, but the red color overprinted, showing that the transparent opacity took priority over the "set colors to knockout" setting.

6. Troubleshooting

6.1. Yellow Shift in Printed Output [TBS]

6.1.1 Description and Cause [TBS]

6.1.2 "Do Not Increase Yellow Screening" Option [TBS]

6.2. Iris 43 Wide Print Quality [TBS]

6.2.1 Process Template Settings [TBS]

6.2.2 Spot Color Calibration [TBS]

6.2.3 Spot Color Recipes [TBS]

6.3. Problems Accessing File Servers [TBS]

6.3.1 Use of "Administrator" Account [TBS]

6.3.2 Mismatched Passwords [TBS]

6.3.3 Changing Passwords During Update [TBS]

7. End of Document