



Proofing Procedure Guide

English

Prinergy and Veris

Ouputting a Proof for the PPA proof4press Standard

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Introduction

This document describes how to use Prinergy® software and a Veris™ proofer to output a proof that meets the Periodical Publishers Association (PPA) proof4press standard.

The proof4press standard defined by PPA (<http://www.PPA.co.uk>) conforms to ISO printing standard 12647, and it currently concentrates on magazines produced on coated paper in the United Kingdom.

Creo supports the proof4press standard by providing PPA approved device link profiles for Veris. PPA provides the other tools you need: the PPA proof4press control strip and the proof4press Verifier software. For more information on the PPA tools, see *PPA Tools* on page 3.

The main steps for outputting a proof that meets the proof4press standard are:

1. Calibrate Veris for the media.
2. Import the PPA approved device link profile into Veris Administrator for the Creo Certified Process.
3. Set up the workflow to apply the PPA approved device link profile, place the PPA proof4press control strip, and use the Creo Certified Process to output a proof that meets the PPA proof4press standard.
4. Measure the PPA proof4press control strip, using an X-Rite DTP 41 with UV filter.
5. Import the measurement data into the proof4press Verifier software to verify that it is within the 2 ΔE tolerance.

The press operator uses the proof as a guide to help correctly print the job.

Tools Required

Table 1 lists the tools you will need to use this document.

Table 1: Tools Required

Tool	Where to Find the Tool
PPA approved device link profile for Veris	Included in the download on the eCentral Web site: https://ecentral.creo.com/eCentral/Self_Support/Downloads.asp
PPA proof4press control strip	Submit a request for a free copy from PPA via this Web site: http://www.lmal.co.uk/order_now.asp
PPA proof4press Verifier software	Order it from PPA via this Web site: http://www.lmal.co.uk/order_now.asp

Versions of Prinergy and Veris Supported

This document applies to:

- Prinergy version 2.1 or later with an Advanced Color Management license and Creo Color Matcher
- Veris Series 5 (includes software version 1.4) or later

You will also need an X-Rite DTP 41 spectrophotometer with UV filter to measure the PPA proof4press control strip.

Assumptions

This document assumes that Prinergy is connected to the Veris proofer and that you are able to output proofs. For details, see *Configuring Prinergy to Output Proofs to Veris Technical Bulletin*, which is included in the Veris Series 6 (software version 1.6) online help, or you can download the document from eCentral (<https://ecentral.creo.com>).

Other Reference Material

- Prinergy online help
- Veris online help

Proofing Workflow Overview

When using Prinergy software with a Veris proofer to output proofs that simulate a PPA proof4press standard, you must use Prinergy software to apply the PPA approved device link profile and place the PPA proof4press control strip.

PPA Tools

Introduction

Three tools are available to help you output proofs that meet the proof4press standard:

- PPA proof4press control strip
- PPA approved device link profiles for Veris
- proof4press Verifier software

This section describes the PPA proof4press control strip, the PPA approved device link profile for Veris, and the proof4press Verifier software.

PPA proof4press Control Strip

The PPA proof requirements center around the PPA proof4press control strip.

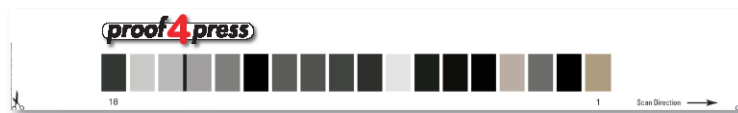


Figure 1: Example of an PPA proof4press control strip

The PPA proof4press control strip consists of 18 patches of varying levels of grayscale.

PPA Approved Device Link Profiles for Veris

PPA certification on Veris is currently only available on one media: Veris Pro Commercial Semi-Matte 285. You must calibrate the Veris proofer for this media and only use this media when producing a PPA approved proof. Use the certified device link profile identified in Table 2.

Table 2: PPA Approved Device Link Profile for Veris

Media	PPA Standard	PPA Approved Device Link Profile
Veris Pro Commercial Semi-Matte 285	proof4press	Veris-COM-PPA-062204.dvl

proof4press Verifier Software and Tolerances

The allowed tolerances for the PPA proof4press control strip are $2 \Delta E$. Use an X-Rite DTP 41 with UV filter to measure the PPA proof4press control strip, and then enter the measurements into the proof4press Verifier software, which includes target measurements for the Veris Control Strip. The proof4press Verifier software indicates whether the readings of the proof4press control strip are within the $2 \Delta E$ tolerance specified.

Setting Up Veris

Introduction

This section describes how to calibrate Veris and import the PPA approved device link profile to prepare for the Creo Certified Process.

Calibrating Veris

Use the Calibration Wizard to calibrate the Veris proofer for the Veris Pro Commercial Semi-Matte 285 media and the Veris ProPack GA Ink Kit. For details, see the Veris online help.

Importing the PPA Approved Device Link Profile

To import a device link profile:

1. Copy the PPA approved device link profile to the network.
2. In Veris Administrator, click the ICC Profiles tab.
3. Click the **Import** button.
4. Navigate to and select the PPA approved device link profile.
5. Click the **Open** button.

The PPA approved device link profile is copied from the network folder to Veris.

Using Prinerger to Manage Color

Introduction

This section describes how to use Prinerger to apply the PPA approved device link profile and place the PPA proof4press control strip to output a proof that meets the PPA standard. You can use two types of Prinerger proofs:

- **Imposition proofs**—Add the PPA proof4press control strip to an imposition plan (in Preps for example), import the imposition plan into Prinerger, and then set up an imposition proof process plan to use the PPA approved device link profile. See *Using Imposition Proofs*, below.
- **Loose page proofs**—Distill the PPA proof4press control strip to create a PDF and add the PDF to a loose page proof process plan that is set up to use the PPA approved device link profile. See *Using Loose Page Proofs* on page 9.

Each of the following sections includes instructions for setting up a Prinerger proof output process plan.

Using Imposition Proofs

This section describes the main steps required to output an imposition proof that meets the PPA proof4press standard. The main steps are:

1. In Preps, create a template, and add the PPA proof4press control strip as a mark. For details, see your Preps documentation.
Note: Do not color-manage the PPA proof4press control strip. You will use Prinerger to color-manage it later.
2. In Preps, create an imposition plan based on the template. For details, see your Preps documentation.
3. Import the Preps template into Prinerger, and add pages to it. For details, see Prinerger Workshop online help.
4. Set up an imposition proof output process plan to use the PPA approved profile to manage color. See *Setting Up an Imposition Proof Output Process Plan* on page 6.
5. Apply the process plan to the imposition that contains the PPA proof4press control strip to output a proof. See *Outputting Imposition Proofs* on page 9.

Setting Up an Imposition Proof Output Process Plan

This section describes how to set up an imposition proof output process plan to apply the PPA approved device link profile and place the PPA proof4press control strip. The choices you make for the options identified in Table 3 on page 7 are crucial, because the options work together.

Table 3: Crucial Prinergy Process Plan Settings for Imposition Proofing

Option	Setting
Paper (located in the Layout section, under Media)	Select Veris Pro Commercial Semi-Matte 285 media
JTP box in the ColorConvert section	Select CreoColorMatch
Substitution Profile for Final Output Profile in the ColorConvert section	Use the PPA approved device link profile: Veris-COM-PPA-062204.dvl
Proof Process Profile in the ColorConvert section	Use this Veris profile: Veris-COM-mmddy.icc
Overprint Handling (CPU Intensive) in the ColorConvert section	Select the Overprint Handling (CPU Intensive) check box to turn on raster overprint handling.

To set up an imposition proof output process plan:

1. Copy the PPA approved profile to the following location on the Prinergy server: System\%AraxiHome%\CreoAraxi\Data\ICC-Profiles\Printer\Veris.
2. On the Macintosh® computer, mount the volume where the device link profiles are stored, so you can browse to it later.
3. From the Prinergy Workshop Tools menu, select Process Plan Editor.
4. Navigate to Process Plans > Imposition Proof Output.
5. From the File menu, select New Process Plan.
6. In the Output To box, select Veris (Low resolution).
7. Click the arrow beside ColorConvert, and set the following options:
 - From the JTP box, select CreoColorMatch.
 - Select the Match Colors in Page Content check box.
 - Select the Exactly as Defined Below check box.
 - Beside the Substitution Profile for Final Output Process box, click the Browse button to navigate to the following location and select the PPA approved device link profile: CreoAraxi\Data\ICC-Profiles\Printer\Veris\Veris-COM-PPA-062204.dvl.
 - Beside the Proof Process Profile box, click the Browse button to navigate to the following location and select the Veris profile: CreoAraxi\Data\ICC-Profiles\Printer\Veris\Veris-COM-mmddy.icc.
 - Select the Overprint Handling (CPU Intensive) check box to turn on raster overprint handling.

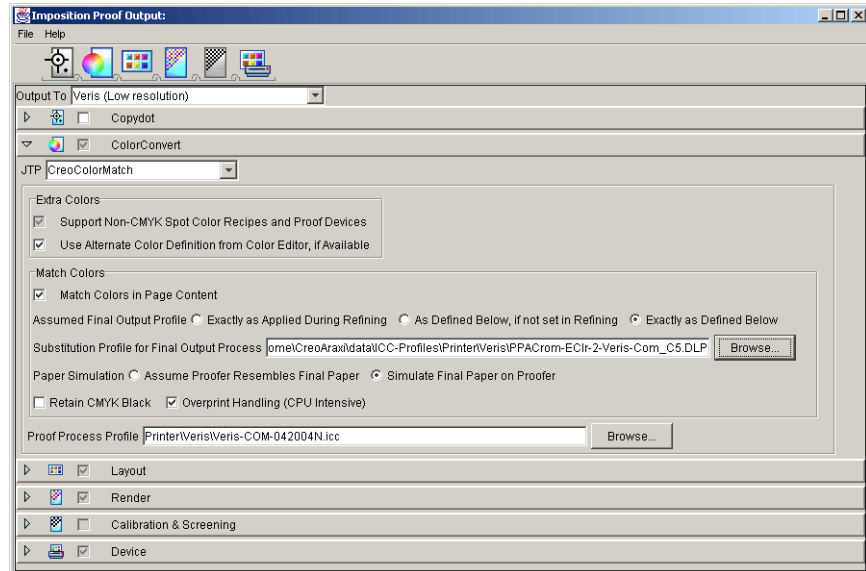


Figure 2: ColorConvert section

8. Click the arrow beside **Layout**, and set the following options:
 - From the **Paper** box, select **Pro Commercial Semi-Matte 285**.
 - Set the marks options as desired.
9. Click the arrow beside **Device**, and set the following options:
 - In the **Veris Server** box, type the name of the Veris proofer to which you want to print or select a name from the list.
 - From the **Veris Proofing Process** box, select **Certified**.
 - Select the **Output Comment** check box if desired.

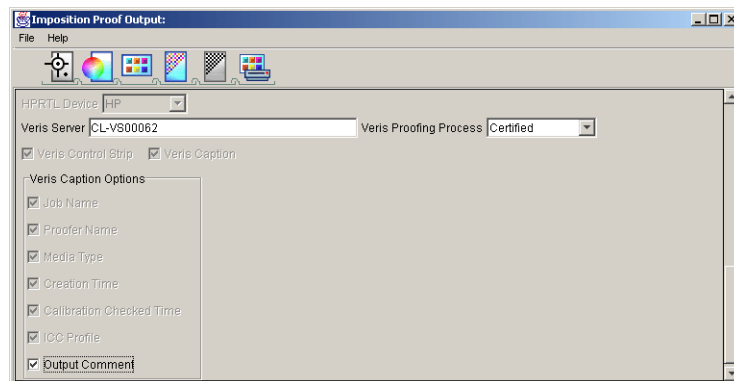


Figure 3: Device section

10. From the **File** menu, select **Save**.

Outputting Imposition Proofs

In Prinergy Workshop, select the signatures that contain the PPA proof4press control strip, and apply to them the process plan that you set up for PPA approved proofs. For details on outputting imposition proofs, see Prinergy Workshop online help.

Using Loose Page Proofs

This section describes the main steps required to output a loose page proof that meets the PPA proof4press standard. The main steps are:

1. Use Adobe Acrobat Distiller to create a PDF version of the PPA proof4press control strip. For details, see your Adobe Acrobat documentation.
Note: Do not color-manage the PPA proof4press control strip. You will use Prinergy to color-manage it later.
2. Set up a loose page proof process plan to use the PDF version of the PPA proof4press control strip and the PPA approved profile. See *Setting Up the Loose Page Proof Output Process Plan* on page 9.
3. Apply the process plan to pages to output a proof. See *Outputting Loose Page Proofs* on page 12.

Setting Up the Loose Page Proof Output Process Plan

This section describes how to set up a loose page proof output process plan to apply the PPA approved device link profile and place a PDF version of the PPA proof4press control strip. The choices you make for the options identified in Table 4 on page 10 are crucial, because the options work together.

Table 4: Crucial Prinerger Process Plan Settings for Loose Page Proofing

Option	Settings
Paper (located in the Layout section, under Media)	Select Veris Pro Commercial Semi-Matte 285 media
JTP box in the ColorConvert section	Select CreoColorMatch
Substitution Profile for Final Output Profile in the ColorConvert section	Use the PPA approved device link profile: Veris-COM-PPA-062204.dvl
Proof Process Profile in the ColorConvert section	Use this Veris profile: Veris-COM-mmddy.icc
Overprint Handling (CPU Intensive) in the ColorConvert section	Select the Overprint Handling (CPU Intensive) check box to turn on raster overprint handling.
Marks (located beside Sheet marks)	Select the PDF version of the PPA proof4press control strip

To set up a loose page proof output process plan:

1. Copy the PPA approved profile to the following location on the Prinerger server: **System\%AraxiHome%\CreoAraxi\Data\ICC-Profiles\Printer\Veris.**
2. Copy the PDF version of the PPA proof4press control strip to the following location on the Prinerger server: **CreoAraxi\Data\MarkSets\Sheet Marks\Color Proofers\Composite Proofs.**
3. On the Macintosh, mount the volume where the device link profiles are stored, so you can browse to it later.
4. From the Prinerger Workshop Tools menu, select **Process Plan Editor.**
5. Click **Process Plans > Loose Page Output.**
6. From the File menu, select **New Process Plan.**
7. In the **Output To** box, select **Veris (Low resolution).**

8. Click the arrow beside **ColorConvert**, and set the following options:
 - From the **JTP** box, select **CreoColorMatch**.
 - Select the **Match Colors in Page Content** check box.
 - Select the **Exactly as Defined Below** check box.
 - Beside the **Substitution Profile for Final Output Process** box, click the **Browse** button to navigate to the following location and select the PPA approved device link profile: **CreoAraxi\Data\ICC-Profiles\Printer\Veris\Veris-COM-PPA-062204.dvl**.
 - Beside the **Proof Process Profile** box, click the **Browse** button to navigate to the following location and select the Veris profile: **CreoAraxi\Data\ICC-Profiles\Printer\Veris\Veris-COM-mmddy.icc**.
 - Select the **Overprint Handling (CPU Intensive)** check box to turn on raster overprint handling.

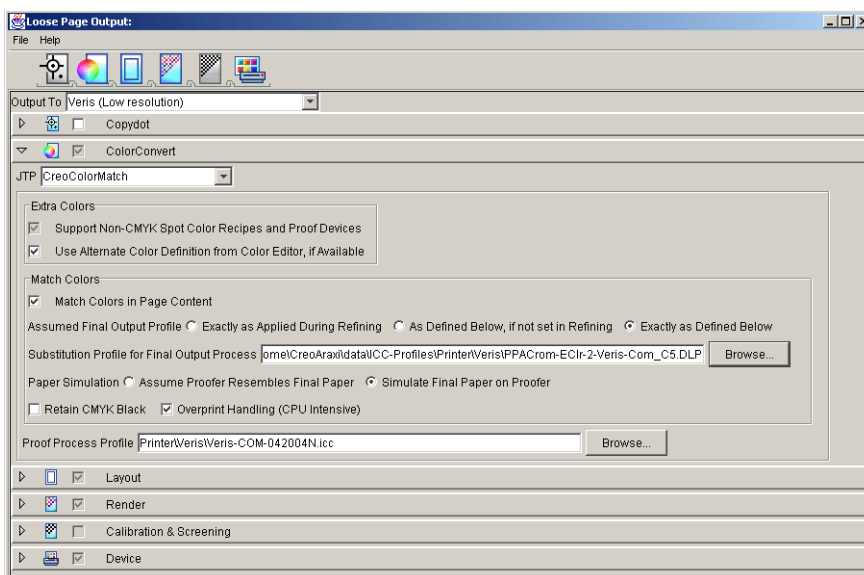


Figure 4: ColorConvert section

9. Click the arrow beside **Layout**, and set the following options:
 - From the **Paper** box, select **Veris Pro Commercial Semi-Matte 285**.
 - Under **Marks**, beside **Sheet Marks**, click the **Browse** button, navigate to the following location, and select the PDF version of the PPA proof4press control strip: **CreoAraxi\Data\MarkSets\Sheet Marks\Color Proofers\Composite Proofs**.
 - Set the other marks options as desired.

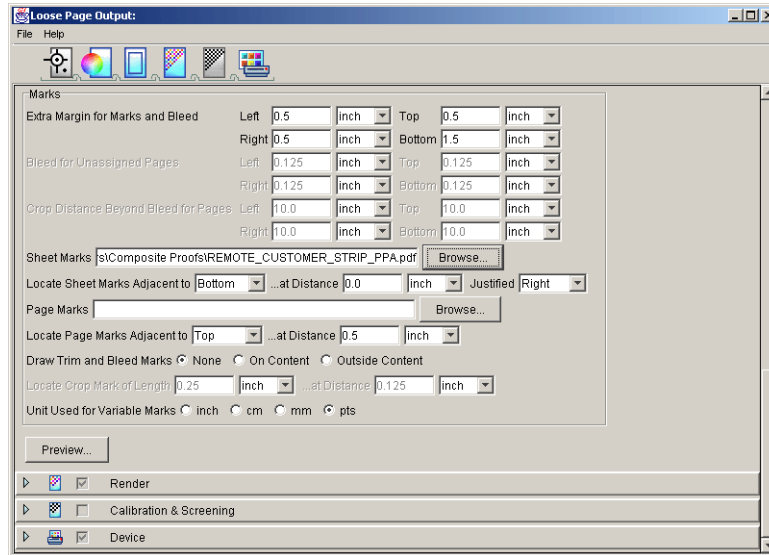


Figure 5: Layout section

10. Click the arrow beside **Device**, and set the following options:
 - In the **Veris Server** box, type the name of the Veris proofer to which you want to print or select a name from the list.
 - From the **Veris Proofing Process** box, select **Certified**.
 - Select the **Output Comment** check box if desired.

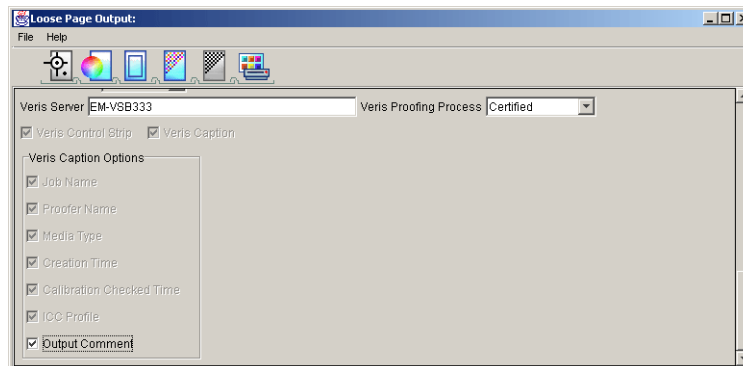


Figure 6: Device section

11. From the **File** menu, select **Save**.

Outputting Loose Page Proofs

In Prinergy Workshop, select the pages that you want to proof, and apply to them the process plan that you set up for PPA approved loose page proofs. For details on outputting loose page proofs, see Prinergy Workshop online help.