Render section of the Publish File process template

This process template section determines the output resolution and how the system handles spot colors during publishing.

JTP

Select the job ticket processor (JTP) to use for rendering.
Note: You set up JTPs using Prinergy Administrator.

Device Resolutions

This list is available when an output device format is selected in the **Output To** list.
Select a resolution for the selected device in the list.

Resolution X

Available when the **Device Resolutions** box is unavailable.
Type a resolution value.

Resolution Y

Available when the **Device Resolutions** box is unavailable and mixed resolution values are allowed for the output format selected in the **Output To** list.
Type a resolution value.

Do Separations

Available when the output format selected in the **Output To** list supports separated output and **DeviceCMYK** is selected in the **Color Model** options.
Select if you want Prinergy to output separations. Clear this check box if you want Prinergy to output a single composite file.

Spot Color Handling

Determines how spot colors should be handled.
The list of values varies, depending on the output format selected from the **Output To** list.

- Select **Convert to process** to convert spot colors to process colors.
  Note: When **Convert to process** is selected, **Vector Overprint Handling** (in the **ColorConvert** section) is automatically turned on to ensure the correct appearance of any overprinting spot colors.
- Select **Output separately** to preserve spot colors on output.
- Select **Don't output** to suppress output of spot colors.

Always Use Color Combiner to Convert Spots

This check box is available when **Output Separations Handling** is set to **Convert separations to process**.
If the input files contain overprinted spot colors, the Color Combiner, which is a plug-in to the renderer, will combine the layers and output the overprinted colors correctly.

When this check box is cleared, the renderer handles the conversion of spot colors to process colors if the following conditions exist:

- Input files are composite.
- All spot colors are set to opaque in the color database. (If a spot color is not in the color database, opaque is assumed.)

If the above conditions are not met, the Color Combiner will be used, even if the **Always Use Color Combiner to Convert Spots** check box is cleared.
Always select this check box.
See About Color Combiner.

Dielines Overprint Other Content

This check box is cleared and unavailable if the **Do Separations** check box is cleared and unavailable.
Select this check box to specify whether die lines overprint other content. Clear this check box if you do not want die lines to overprint other content.
The **Dielines Overprint Other Content** check box is available for the following outputs:

- DCS Raster
- Kodak Approval TIFF
- LQS TIFF
- VPS
- Windows Bitmap

Antialiasing

Select this check box to enable anti-aliasing, and then in the **at Ratio** list, specify a ratio for anti-aliasing.
Anti-aliasing is a technique of improving the appearance of output by minimizing the "stair step" effect on rasterized output. It does so by rendering to a higher resolution than the intended output, and then downsampling to the intended output. This generates "averaged" pixels which softens the "stair step" effect on low-resolution output. The ratio value for anti-aliasing refers to the factor used to determine the intermediate resolution. A higher ratio results in higher quality, but can have an effect on output speed. For example, if the output is a 300 DPI 8-bit TIFF, and the anti-alias ratio is 4, Prinergy will render an intermediate output at 1200 DPI (4 x 300 DPI), and then downsample to the user-requested 300 DPI.
Anti-aliasing is only available for 8-bit (256 shade) output.

Fail if font problems detected

Select this check box to fail the output process if a file has missing fonts.
Note: This feature is not available for vector outputs (PDF, PS2, PS3, EPS, DCS Vector, PDF /X-1a, PDF/X-3, CT/LW, and DELTA).

Ignore Embedded Fonts in Marks Files

Select this check box if you want Prinergy to ignore embedded fonts in a marks file and to look for the fonts in the `system fonts` folder.
Important: You must install the fonts in `%ServerName%%AraxiHome%`
`\AdobeExtreme\bin\fonts`, or the output will fail.

Convert Text to Paths

This check box converts fonts to outlines before a file is RIPed.
This option was added in Prinergy 3.0 when the CPSI 3016 RIP was included with Prinergy. This option helped situations where the 3016 RIP failed to process the fonts on certain jobs. This option has limited usefulness now, but is included as a potential workaround in rare cases where fonts are not rendered correctly by the RIP. It is not recommended that you enable this on on a permanent basis. When using this option for specific jobs, it is recommended that you ensure that both proofs and plates are output with this option.

Note that when you select the **Convert Text to Paths** check box, you will have text appear fatter on low-resolution proof output. You can overcome this appearance problem by either:

- Rendering to a higher resolution, if rendering to 1-bit output, such as Virtual Proofing System
- Using anti-aliasing, if rendering to contone output

Note: This check box is only available for raster output formats (`.VPS`, `.TIFF`, and so on).

Overlay Versioned Content

This check box applies to Layered PDF Versioning. For information, see the Versioning chapter in this guide.

Versioning Proof Mapping Color

This box applies to Layered PDF Versioning. For information, see the Versioning chapter in this guide.