# Adobe℠ Customer Services

## Exporting CMYK Files to Other Applications

When your project involves process color printing, at some point, your RGB image must be separated into four different pieces of film or paper. Each piece of film or paper will be printed with a different color of ink on the press—usually cyan, magenta, yellow, and black (CMYK). Adobe Photoshop™ does an excellent job of separating images by converting your RGB images to CMYK. See the *Adobe Photoshop User Guide* for more information about creating separations.

Most illustration and page-layout programs support the Encapsulated PostScript file (EPS) format, and EPS is the preferred format for exporting CMYK files to these applications. Save CMYK files in TIFF format. When exporting CMYK files in the EPS file format to other applications, specify various options to enhance printing and processing in the EPS Format dialog box. The options are described in detail in the following sections.

**To export a CMYK file to another application:**

**1** Make sure that your file is in CMYK mode.

**2** Choose Save As from the File menu.

**3** Choose EPS from the File Format pop-up menu. The EPS Format dialog box appears.

**4** Select the desired options, as described in the following sections; then click OK.

### EXPORTING FILES TO ADOBE ILLUSTRATOR™

**1** Choose Save As from the File menu and EPS from the File Format pop-up menu. The EPS Format dialog box appears.

**2** Select a Preview option, as described in the following section, "EPS Preview Options."

**3** Select the ASCII or Binary encoding option; Binary is recommended. For more information about the option, see "EPS Encoding Options" later in this note.

**4** Click Off under the Desktop Color Separation options; then click OK.

### EXPORTING TO QUARKXPRESS®

**1** Choose Save As from the File menu and EPS from the File Format pop-up menu. The EPS Format dialog box appears.

**2** Select a Preview option, as described in the following section, "EPS Preview Options."

**3** Select the ASCII or Binary encoding option; Binary is recommended. For more information about the option, see "EPS Encoding Options" later in this note.

**4** Select a Master File option from the Desktop Color Separation options. The Master File options affect a composite proof only; they do not affect the high-resolution information contained in the file. For more information about the options, see "Desktop Color Separation Options" later in this note.

**5** Click OK.

### EXPORTING TO ALDUS PAGEMAKER®

**1** Choose Save As from the File menu and EPS from the File Format pop-up menu. The EPS Format dialog box appears.

**2** Select a Preview option, as described in the following section, "EPS Preview Options."

**3** Select ASCII encoding. For more information about the option, see "EPS Encoding Options" later in this note.

**4** Click Off under the Desktop Color Separation options; then click OK.

### EPS FORMAT DIALOG BOX OPTIONS

#### EPS preview options

Some graphics applications, like Adobe Illustrator, display or *preview* a PICT (in Windows it's TIFF) representation of a PostScript language image saved in EPS format. The PICT (TIFF) preview image gives you an idea of what the image will look like when it is printed and lets you accurately place the image on the page. Your choice of preview affects only the display, not the printout. Even though your image is in color, a 1-bit black-and-white preview may be adequate and will give you a much smaller file than an 8-bit preview. Select either an IBM®PC or Macintosh preview.

#### EPS encoding options

The encoding options control what type of information is saved in the document, either ASCII or binary. The binary option results in a file that is about half the size of an image saved with the ASCII encoding option and takes half as long to transfer to the printer. However, some applications (such as Aldus PageMaker and Aldus FreeHand®) might not support binary EPS documents. For these applications, select the ASCII encoding option. In addition, some commercial print-spooling software does not support binary encoding. If you experience printing errors, it may be that your print spooler requires ASCII encoding.

Check with your application's manufacturer or user guide, or experiment to determine whether to use ASCII or Binary encoding.

### Include Halftone Screens Option

Adobe Photoshop allows you to set your screens in the Page Setup dialog box and then include those screen settings when you are saving files in EPS format. If you want another application, such as Adobe Separator™, to set the screens—perhaps because you have additional art from other applications—deselect the Include Halftone Screens option. Check with your print shop if you don't know what screen settings to use. If you print to an imagesetter with Accurate Screens™, Balanced Screens™, or HQS Screens™, get the manufacturer's recommendations for screen settings.

### Include Transfer Functions option

Transfer functions compensate for miscalibrated imagesetters. You can adjust the Transfer functions in the Transfer Functions dialog box, accessed by clicking Transfer in the Page Setup dialog box under the File menu. If you have adjusted the Transfer functions, select the Include Transfer Functions check box in the EPS Format dialog box when you save the EPS file.

For more information about Transfer functions, see "Compensating for Dot Gain When the Image Goes to Film" in Chapter 15 of the *Adobe Photoshop User Guide*.

### Desktop Color Separation (DCS) option

The DCS option is an extension of the standard EPS format developed by Quark™, Inc. for use with QuarkXPress and other applications that support the extension. If you are unsure about whether your application accepts DCS files, contact the manufacturer.

The DCS option creates five files on your hard disk: a master file and a file each for cyan, magenta, yellow, and black. The master file contains a PICT (TIFF) preview of the image and a link to the other four files. All five files must be kept together in the same folder or directory. Place the master file in the host application's document.

In addition, the master file may contain a low-resolution EPS image, in CMYK color or gray-scale, for printing proofs. The low-resolution EPS image has no effect on the final printing of separations.

• Select the Master File: No composite PostScript option to print separations only. This option does not allow you to print a composite of the placed Photoshop image.

• Select the Master File: 72 pixels/inch grayscale option to print a 72-dpi grayscale composite of the Photoshop image.

• Select the Master File: 72 pixels/inch CMYK option if you want to output a 72-dpi color composite of the Photoshop image to a color printer.

## EXPORTING CMYK FILES WITH CLIPPING PATHS
The Clipping Path feature in Photoshop lets you use a path drawn with the pen tool in the Paths palette as a mask for placed files in Adobe Illustrator and other page layout applications including Aldus PageMaker and QuarkXPress. For information on using this feature, see "Saving Pen Tool Paths as Clipping Paths" in Chapter 5 of the *Adobe Photoshop User Guide* and the technical note "Working with Clipping Paths."