



# **System 9 Release 2 Training Guide**

**Xerox Integrated Fiery Color Server for Xerox Color 550  
Production Printer**

DRAFT

**August 2010**

DRAFT

# Training Guide for Xerox Integrated Fiery Color Server, Powered by Fiery for Xerox Color 550 Production Printer

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This guide is designed to help you begin using your new Fiery controller with your Xerox Printer. The information in this guide will help you use the Fiery utilities to manage, change and print documents to the Xerox Printer.

For additional details and information, refer to the Fiery User Guides, included as PDFs with this training.

This guide is divided into two sections. The first section will focus on functionality of individual features or utilities of the Fiery. The Second Section will provide workflow examples where you will combine multiple procedures together to complete the desired workflow.

## Resource information

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Use the following resources for additional information

**Welcome** - provides system requirements and an overview of how to set up the Fiery so that you can begin printing.

**Color Printing** - provides information on managing color output. It explains how to calibrate your copier and take advantage of the ColorWise color management system as well as features as Spot On.

**Configuration and Setup** - describes how to set up network servers and clients to use the Fiery. Details how to install user software and set up printing from a Windows or Macintosh computer.

**Printing**— provides information on how to install printer drivers and printer description files for the Fiery, and how to set up printing from Mac OS X and Windows computers.

**Utilities**— provide an overview of how to install, configure, and use Fiery utilities, including Command WorkStation and EFI WebTools.

## Specifications

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### **Xerox Integrated Fiery Color Server, Powered by Fiery for Xerox Color 550 Production Printer**

The Integrated Fiery Color Server hardware specifications include:



- Intel Celeron M440 Solo 1.86 GHz CPU
- 512 MB Memory
- 80GB SATA hard disk drive
- USB Type A port for printing through a USB device
- Battery 3V manganese dioxide lithium coin cell (Panasonic CR2032 or equivalent)
- Supports AppleTalk and TCP/IP protocols simultaneously
- Supports EtherTalk Phase 2
- Ethernet port for twisted pair (10BaseT/100BaseTX/1000BaseT) network connection

#### **Software- Fiery System 9 Release 2**

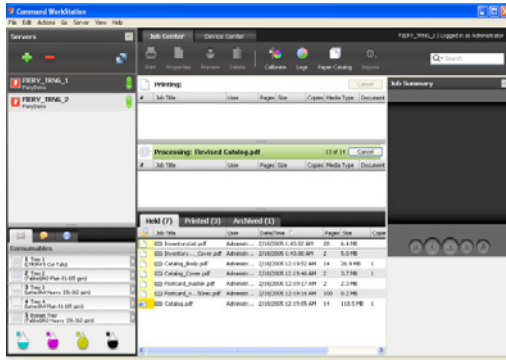
- Windows XPe OS / Remote Desktop
- DFE setup via Command WorkStation & WebTools
- Command WorkStation 5 for Windows & Macintosh OS X
- Adobe PostScript 3 (CPSI 3019) support
- Fiery Security (IPSec, 802.1x, IPV 6, SNMP3, SSL/TLS, IP filtering/Port blocking, EFI Secure Erase, User Authentication, etc)
- Auto Updates / Software download
- Native Doc Printing with PrintMe embedded
- EFI Print Driver 4.0
  - Windows XP/Vista/Windows 7 (32 & 64 bit)
  - Macintosh OS X
- Fiery Color Cal

How-To Guides

The list below identifies the How-To Guides that are appropriate for the Xerox Integrated Fiery Color Server

## Section 1: Fiery Fundamentals

### Chapter 1: Job Management

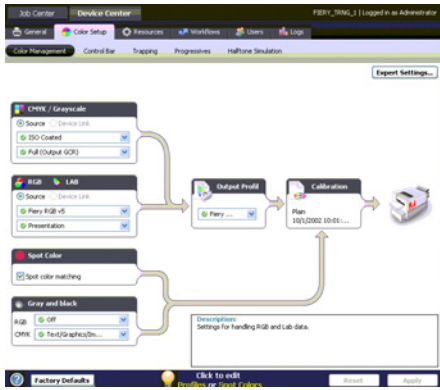


After completing this module, you will be able to:

- Submit a job to the Fiery using WebTools
- Use the Print Driver to submit a job to the Fiery
- Use Virtual Printers to print a job to the Fiery
- Submit a Job to the Fiery using Hot Folders
- Identify and describe the windows and panels of the Command WorkStation
- Setting up and submitting PDF jobs using the Adobe PDF Print Engine (APPE)

Exercise	Demo Script	Notes
Exercise 1-1 – Fiery WebTools	WebTools_v3.0_Demo.pdf	Use Head to Head when Duplexing is referenced.
Exercise 1-2 – Fiery Driver: Windows	HowTo_Print_Windows_v1.pdf	Use Head to Head when Duplexing is referenced.
Exercise 1-3 – Fiery Driver: Macintosh	HowTo_Print_Mac_v1.pdf	Use Head to Head when Duplexing is referenced.
Exercise 1-4 – Command WorkStation 5 Workflows	HowTo_CWS5_Workflow.pdf	Use Head to Head when Duplexing is referenced.
Exercise 1-5 – Hot Folders	HowTo_Print_Hot_Folder_v1.pdf	Use Head to Head when Duplexing is referenced.
Exercise 1-6 – Virtual Printers	HowTo_Virtual_Printers_v3.0.pdf	Use Head to Head when Duplexing is referenced.
Exercise 1-7 – Print a PDF Job using the Adobe PDF Print Engine (APPE)	How-To Enable a Native PDF Workflow_v1.pdf	Use Head to Head when Duplexing is referenced.

## Chapter 2: Color Management



After completing this module, you will be able to:

- Calibrate using ColorCal
- Creating Spot Colors
- Configure a Fiery with a Color Substitute group using Command WorkStation 5 Device Center
- Import ICC profiles to the Fiery using Command WorkStation 5
- Export ICC profiles from the Fiery using Command WorkStation 5

Exercise	Demo Script	Notes
Exercise 2-1 – Calibration	HowTo_System9_ColorCal_Calibration_v1.pdf	The Integrated Fiery Color Server support ES-1000 calibration
Exercise 2-2 -- Fiery Spot Color	HowTo_Spot Colors_v1.pdf	
Exercise 2-3 – Spot Color with Substitute Colors	HowTo_Optimize_Color_Quality_v1.pdf	
Exercise 2-4 – Fiery Passes the Altona Test Suite	HowTo Print_Altona_v4.pdf	
Exercise 2-5 – Fiery Passes the Ghent Test Suite	HowTo_Print_Ghent_v2.pdf	

## Chapter 3: Variable Data Printing



After completing this module, you will be able to:

- Understand the basics of variable data printing
- Use Command Workstation 5 to import an EFI FreeForm Master
- Use EFI Fiery FreeForm to create VDP output

### Overview of Variable Data Printing

Variable data printing is typically used for personalized mailings, such as direct-mail advertising. It involves combining a set of master elements that are common across copies of a document (reusable data) with a set of variable elements that change from copy to copy. When you use variable data printing, you create personalized communications with elements that have special appeal to your targeted audience.

An example of variable data printing is a brochure that greets customers by name and may include other personal information about the customer obtained from a marketing database. Background elements, illustrations, and text blocks that do not change across copies of the brochure are master elements. The customer's name and other customer-specific information are variable elements.

In its simplest form, you can use variable data printing as a basic mail merge. However, you can also dynamically assemble images, charts, text, and other objects to create attractive, highly customized documents.

Exercise	Demo Script	Notes
Exercise 3-1 – FreeForm Letterhead	HowTo_FreeForm_Letterhead_LTR_v2	Use Head to Head when Duplexing is referenced.

## Chapter 4: Production Printing Features



After completing this module, you will be able to:

- Understand how to use the advanced production features on the Fiery Server
  - Rush Print
  - Print/Process Next
  - Advanced Job Reorder

Exercise	Demo Script	Notes
Exercise 4-1 – Rush Printing	HowTo_CWS5_Production_Features_v2.pdf	Use Head to Head when Duplexing is referenced.
Exercise 4-2 – Print/Process Next	HowTo_CWS5_Production_Features_v2.pdf	Use Head to Head when Duplexing is referenced.
Exercise 4-5 – Advanced Job Reorder	HowTo_CWS5_Production_Features_v2.pdf	Use Head to Head when Duplexing is referenced.

## Section 2: Fiery Advanced Features

### Chapter 5: Tools for Administrators

#### Access Control

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#### 3 Level Access Control

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Command WorkStation has three levels of access. Management of jobs in Command WorkStation is determined by how you have logged on to the Fiery, as Administrator, Operator, or Guest.

When both Administrator and Operator passwords have been specified, the access levels are as follows:

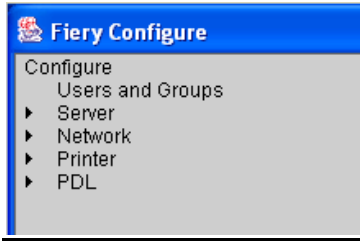
- **Administrator** - Has full access to all Command WorkStation functions; Administrator password required.
- **Operator** - Has access to all Command WorkStation functions, *except* Setup, color management, font management, reordering job priority, restarting the Fiery Network Controller, clearing the Fiery Network Controller hard disk drive, and clearing the Job Log. Operator password required.
- **Guest** - Can view job status, but cannot make changes to jobs or Setup, and cannot access the Job Log; no password required.



**NOTE:** In Command WorkStation, a user may be logged in as Administrator on one Fiery Network Controller, as Operator on a second Fiery Network Controller, and as Guest on a third Fiery Network Controller. In these instances, the levels of access are dependent either on the Fiery Network Controller currently selected in the Active Jobs window or on the Fiery Network Controller that holds the currently selected job.

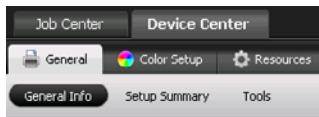
## Exercise 5-1: Accessing Fiery Configure

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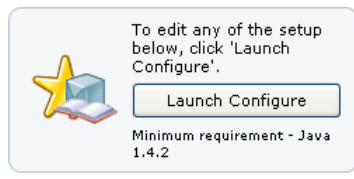
To administer and setup the Fiery controller, the Fiery Configure is required. This tool allows the Fiery Server, Network, Printer, Page Description Language (PDL) and Users (Users and Groups) to be modified to meet the specific requirements of the printing environment.

Fiery Configure can be accessed either using Command WorkStation or WebTools. The following procedures describe accessing Fiery Configure using each of these methods. These procedures will be used to access the other features covered in this module.



### Accessing Configure using Command WorkStation.

1. Login as the **Administrator** user.
2. Select the **Device Center** tab.
3. Select **Configure** in the lower right-hand corner of the Command WorkStation window. 
4. The **Fiery Configure** window opens.



### Accessing Configure using WebTools

1. Open **Internet Explorer**.
2. Enter the Fiery name or TCP/IP address.
3. **WebTools** opens.
4. Click the **Configure** tab.
5. Click the **Launch Configure** button.
6. The Login window will be displayed.
7. Enter the user name Administrator
8. Enter the Administrator password. The default password is **Fiery.1**








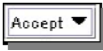

## Exercise 5-2: IP Filtering

IP Filtering allows an administrator to restrict access to the Fiery by accepting or denying connections to the Fiery from specific IP addresses.

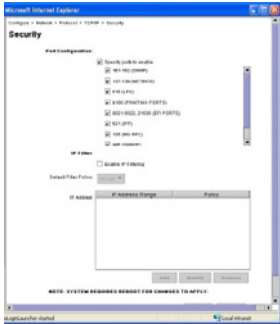
### 1 2 3

To configure IP Filtering, follow the steps below.



1. Connect to **Fiery Configure**.
2. Select **Network** from the list of options.
3. Click **Protocol**. 
4. Click **TCP/IP**. 
5. Click **Security**. 
6. Click the **Enable IP Filtering** check box. 
7. Select the **Default Filter Policy** menu. 
8. Select the **Accept** to only allow the IP address range to access the Fiery or Select
9. **Deny** to prevent the IP address range from accessing the Fiery. 
10. Click the **Add** button to add an IP range to the IP Filter list. 
11. Select the **Filter Policy** for the IP range.
12. For this example select **Accept**. 
13. Enter the **Starting IP Address** to add to the Filter list.
14. Enter the **Ending IP Address** to add to the Filter list.
15. Click the **OK** button to add the IP address range.
16. Add additional IP Address ranges.  
The **IP Address Range** will be added to the list.  

17. Click the **Apply** button to apply the settings.
18. Click the **Reboot** button to restart the Fiery with the changes.
19. Click the **Yes** button to reboot the Fiery.

## Exercise 5-3: Port Blocking


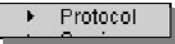
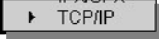


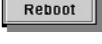



Port Blocking allows system administrators to deselect any number of ports from setup. Any ports deselected are disabled by the Fiery, which also disables the dependent Fiery service.

The following ports can be disabled:

TCP Port	Port name	Dependent Service
80	HTTP	WebTools, IPP
137-139	NetBios	Windows printing
161-2	SNMP	Web Tools, Balance, legacy utilities, SNMP based tools
515	LPD	LPR, Web tools, legacy utilities
8021-8022	Harmony	CWS4, Balance, SDK tools, bi-di functions
631	IPP	IPP
9100-9103	Printing Port	Port 9100 (with bi-di support)

### 1 ▶ 2 ▶ 3

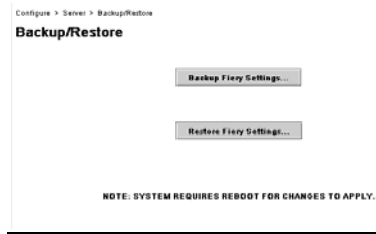
1. Connect to **Fiery Configure**.
2. Select **Network** from the list of options. 
3. Click **Protocol**. 
4. Click **TCP/IP**. 
5. Click **Security**. 
6. Select the Ports to disable to meet the environments security requirements.
7. Click the **Apply** button. 
8. Click the **Reboot** button to restart the Fiery with the changes. 
9. Click the **Yes** button to reboot the Fiery. 

# Safeguard Sensitive Data

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## Exercise 5-4: Back Up and Restore

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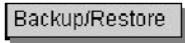


You can save the current configuration of the Fiery and restore it later, if necessary. The following settings are saved (if your Fiery supports them):


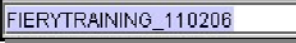


- Settings made in Setup (except Server Name)
- Impose templates saved in the default directory for these files on the Fiery.
- Address books
- Virtual Printer settings
- Users and Groups Information (login names and passwords)
- Custom spot colors

### 1 ▶ 2 ▶ 3






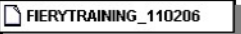


#### To Backup the Fiery Settings

- Connect to **Fiery Configure**.
- Select **Server** from the list of options. 
- Select **Backup/Restore** from the list of options. 
- The **Saving Settings** dialog opens.
- To Backup the Fiery settings, click the **Backup Settings...** button.



- The **Save** dialog opens.
- Select the location to save the Backup data. 
- Enter the File Name of the Backup data. 
- Click the **Save** button to save the Backup data. 
- The Settings have been saved.
- Click the **Quit** button to close Fiery Setup. 

**To Restore the settings to a Fiery after System Software has been reloaded.**

1. Connect to **Fiery Configure**.
2. Select **Server** from the list of options. 
3. Select **Backup/Restore** from the list of options. 
4. Click the **Restore** button. 
5. The message: Restoring settings will reboot the Fiery is displayed.
6. Click the **OK** button. 
7. The **Open** dialog opens.
8. Select the location of the saved the Backup data. 
9. Select a **Backup data** file. 
10. Click the **Open** button. 
11. The **Restore Complete** dialog opens.
12. Click the **OK** button to complete the Fiery Restore and reboot the Fiery. 







**Exercise 5-5: Secure Erase**



Secure Disk Erase is designed to remove traces of job data from the Fiery hard disk drive. At the instance of deletion, each job data file is overwritten three times. With the Secure Disk Erase feature, files are deleted and the space they once occupied on the disk are overwritten multiple times to completely remove any evidence of the file ever being there. The Secure Disk Erase feature is enabled/disabled with the ON/OFF option in Fiery Setup.

When Secure Erase is enabled, every time a job is deleted on the Fiery, it will be securely deleted. Secure Erase provides high level document security on the Fiery Network Controller. Now users can trust submitting confidential documents to the Fiery and rely on the fact that it will be impossible to recover the job once deleted.

**1 2 3**

1. Connect to **Fiery Configure**.
2. [Select **Server** from the list of options. 
3. Select **Jobs** from the list of options.
4. To enable Secure Erase, click the **Secure Erase** check box. 
5. Click the **Apply** button. 
6. Click the **Quit** button. 
7. Click the **Reboot** button to reboot the Fiery and apply the changes to the configuration. 
8. Click the **Yes** button to reboot the Fiery. 


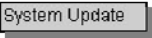

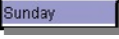






## Exercise 5-6: System Updates



### 1 ▶ 2 ▶ 3

The Fieri uses unique system software to receive and process jobs and send job data to the digital press. Resident on the Fieri, system software processes and controls the spooling, rasterizing, and printing of jobs, as well as job accounting (the Job Log), storage, and retrieval.

You can check for system software updates from a secure site on the Internet. Updates to user software may also be available.

1. Connect to **Fieri Configure**.
2. Select **Server** from the list of options. 
3. Click **System Update**. 
4. Check on the option **Enable System Updates**. 
5. Select the Day and time to check for updates.
6. For this example **Sunday at 12:00 AM** (midnight) is selected. 
7. Choose the action to perform when an update is located for the **Operating System Updates**.
8. For this example, **Download updates and install** is selected.
9. Choose the action to perform when an update is located for the **Fieri System Updates**.
10. For this example, **Download updates and install** is selected.
11. Choose the action to perform when an update is located for the **Utilities Updates**.
12. For this example, **Download updates and install** is selected.
13. If a Proxy is required to connect to the Updates web site, click the **Proxy Settings...** button. 
14. The **Proxy Settings** dialog opens
15. Click the **Enable Proxy** check box. 
16. Enter the **TCP/IP address** or name of the Proxy server.
17. Enter the **User Name** that is required by the Proxy Server.
18. Enter the **Password** for the User Name that is required by the Proxy Server. 
19. Click the **Save** button to save the Proxy settings. 
20. Click the **Apply** button. 
21. Click the **Quit** button. 

## Chapter 6: Graphic Arts Package

After completing this module, you will be able to:

- Use the Image Enhance Settings to improve the images
- Use Preflight to identify printing issues before printing the document
- Use Hot Folder to combine multiple JPEG files into a single PDF file to print

Exercise	Demo Script	Notes
Exercise 6-1 – Enhance Image Quality	How-To_Enhance_Image_Quality_v1_LTR.pdf	
Exercise 6-2 – Preflight and Postflight	HowTo_GAPPE_Preflight-PostFlight_v1.pdf	
Exercise 6-3 – Hot Folder Filters: JPEG	HowTo_Print_Multiple_JPEG_Files_v1.pdf	

## Module 7: Document Assembly

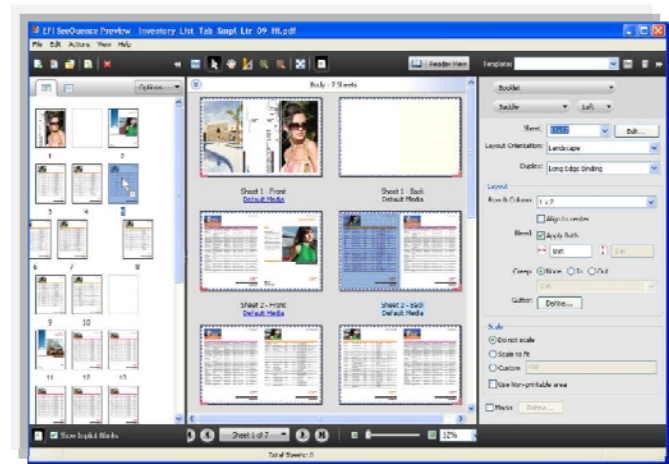
After completing this module, you will be able to:

- Print a booklet from Fiery Command WorkStation 5 Job Properties.
- Activate Fiery SeeSequence Impose.
- Print a Booklet from Fiery SeeSequence Impose
- Print jobs with Gang Up styles
- Print a Calendar from Fiery SeeSequence Impose

## Fiery SeeSequence Impose

### EFI SeeSequence Suite

- ◆ EFI SeeSequence Suite option is the newly designed and integrated document layout application that has a flexible and intuitive visual interface that simplifies document preparation of complex jobs and gives operators the tools to achieve superb results with ease.
- ◆ EFI SeeSequence Suite includes **EFI SeeSequence Impose** and **EFI SeeSequence Compose**, which can work independently or in a tightly integrated workflow, allowing operators to accurately set up jobs and soft proof. SeeSequence Impose enables error-free layout at a sheet level, and SeeSequence Compose performs all document make-ready functions at a page level.
- ◆ **SeeSequence Compose** and **SeeSequence Impose** work effortlessly together in the same window, letting users apply Compose and Impose functionality to the same document in any order. This feature enables customers to expand the application possibilities!



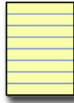
## Installing Fiery SeeSequence Suite

The Impose software is automatically installed when you install Command WorkStation 5.

To enable Impose on a client computer, you must:

- Install Adobe Acrobat and Enfocus PitStop Professional.

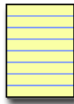
**Note:**



The Adobe Acrobat/Enfocus PitStop DVD is provided in the original EFI Impose Media Pack.

- Install the Impose software protection key (dongle) into a USB port of the client computer to enable SeeSequence Impose.

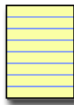
**Note:**



If the dongle is not installed, see the documentation that is provided in the Impose kit. Without a dongle installed, you can use Impose in Demo mode. Demo mode allows you to impose documents and save them, but all printed output displays a “Demo” watermark.

- Install the Compose software protection key (dongle) into a USB port of the client computer to enable SeeSequence Compose.
- Install both the Impose and Compose software protection keys (dongles) into two USB ports of the client computer to enable SeeSequence Suite.

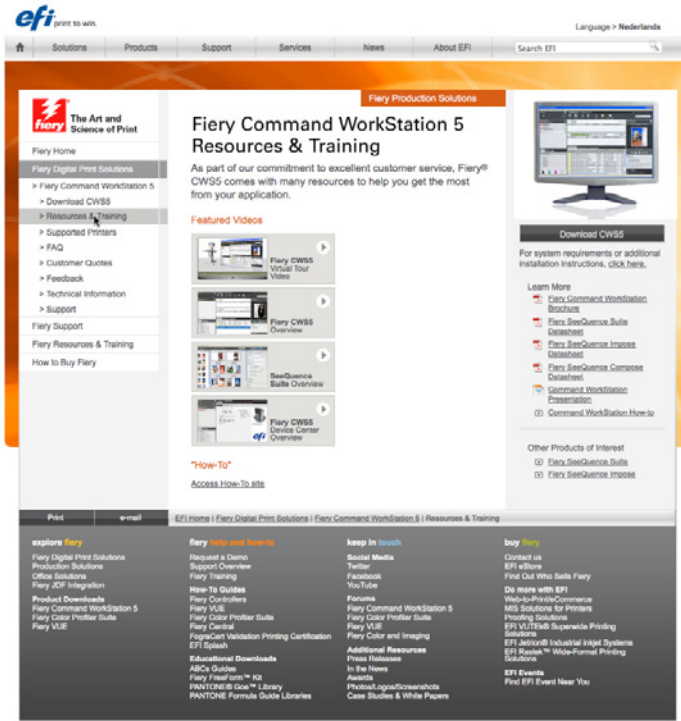
**Note:**



For complete instructions on how to use Impose or Compose, locate the **Command WorkStation, 5 Help**

Exercise	Demo Script	Notes
Exercise 7-1 – Booklet Maker	HowTo_Booklet_Maker_4.pdf	Use Head to Head when Duplexing is referenced.
Exercise 7-2 – Fiery SeeSequence Impose -- Booklets	HowTo_SeeSequence_Booklet_v1.pdf	Use Head to Head when Duplexing is referenced.
Exercise 7-3 – Fiery SeeSequence Impose – Gangup Printing	HowTo_SeeSequence_Impose_Gangup_v3.pdf	Use Head to Head when Duplexing is referenced.
Exercise 7-4 – Fiery SeeSequence Impose – Calendar Application	HowTo_SeeSequence_Calendar_v1.pdf	Use Head to Head when Duplexing is referenced.
Exercise 7-5 – Fiery SeeSequence Compose	HowTo_SeeSequence_Compose_v2.pdf	Use Head to Head when Duplexing is referenced.
Exercise 7-6 – Fiery SeeSequence Suite – Document Assembly and Imposition	HowTo_SeeSequence_Suite_v2.pdf	Use Head to Head when Duplexing is referenced.

## Additional Training Resources



Additional Training resources are available at [www.efi.com/cws5](http://www.efi.com/cws5). Additional resources include:

- CWS5 Brochure
- CWS5 PowerPoint Presentation
- Fieri SeeSequence Suite Data Sheet
- Fieri SeeSequence Impose Data Sheet
- Fieri SeeSequence Compose Data Sheet
- CWS 5 Overview Flash
- CWS 5 Forum
- Frequently Asked Questions (FAQ's)
- Online Training



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