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Xerox FreeFlow[®] Variable Information Suite 12.0 Customer Expectations Document



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Table of Contents

Introduction.....	6
VI Suite 12.0 Highlights	7
SAP Printing and VI Suite	7
PDF Workflow and VI Suite 12.0.....	7
Adobe PDF Print Engine (APPE).....	7
Great Speed for VIPP to PDF generation.....	8
PDF Output using VI Suite tool set.....	8
Support Embedded and External PDF Resources.....	8
Adobe Acrobat and Adobe reader Information.....	8
Web Job Submission Service	8
What's New in VI Compose 12.0?.....	10
New and Enhanced VI Compose Features.....	10
Specialty Imaging	11
Support for Clear Dry Ink.....	12
VIPP Barcode Fonts	12
VI Compose (Open Edition)12.0	12
VIC(OE) device validation	13
Supported Platforms.....	13
Trial Period and License.....	13
Warning and Disclaimer.....	14
VIC (OE) Limitations	14
What's New in VI Design Express 12.0?.....	16
New and Enhanced VI Design Express Features	16
Support for Adobe InDesign CS6.....	17
What's New in VI Design Pro 12.0?.....	18
New and Enhanced VI Design Pro Features	18
What's New in VI Explorer 12.0?	19
VI Explorer 12.0 included with VI Compose 12.0	19
What's New in VI eCompose 12.0?	20
New and Enhanced VI eCompose Features	20
Web Job Submission Service	21
WJSS Install and Documentation	21
Normalizer Instances.....	22
Installing the VI eCompose Normalizer Instance Pool (NIP)	22
VI eCompose Professional Services	22
Adobe Acrobat and Adobe reader Information	22

FreeFlow VI Suite 12.0 Upgrade Information	23
Upgrade Recommendations	23
Supported Platforms & Basic System Requirements	24
TXC e-Store Transactions	26
Licensing through the Software Activation Portal.....	27
Software License Permissions	28
Limitations and Caveats	28
VI Compose Limitations and Caveats	28
VI eCompose 12.0 Limitations and Caveats	29
VI Design Express 12.0 Limitations and Caveats	29
VI Design Pro 12.0 Limitations and Caveats.....	30
Specialty Imaging Limitations and Caveats.....	30
Backing Up Your VI Resources	31
Virus Protection	31
Customer Software Support.....	32
VI Suite Customer Forum.....	32
Table 1 VIPP to PDF generation time.....	8
Table 2 New and Enhanced VI Compose Features	11
Table 3 New and Enhanced VI Design Express Features	17
Table 4 New and Enhanced VI Design Pro Features.....	18
Table 5 New and Enhanced VI eCompose Features.....	20

Introduction

The purpose of this document is to provide customers with important information regarding the FreeFlow Variable Information (VI) product suite. This document is a supplement to standard product documentation and focuses on new features, special caveats, errata, and other useful information not found in the user reference manual and other customer documentation.

This document pertains to FreeFlow VI Suite software version 12.0 and contains new feature overviews, system requirements, and other expectations for the launch software. It is intended to help our customers understand the new capabilities and limitations of this release.

The FreeFlow Variable Information Suite offers a powerful portfolio of tools enabling Xerox VIPP for maximum production effects of variable data print and presentment.

For detailed information, please reference each individual VI Suite product documentation, the VIPP Language Reference Manual, and the *FreeFlow VI Suite, What's New in Version 12.0*. All the documentations can be downloaded from www.xerox.com/support, search for **VIPP**, and then select **Documentation**.

VI Suite 12.0 Highlights

The Xerox FreeFlow VI Suite 12.0 software is an update to FreeFlow VI Suite 11.0 and older versions of the VIPP workflow.

This section provides the highlights of the new features in VI Suite 12.0 products. The details of these new functionalities are described in “FreeFlow VI Suite, What’s New in Version 12.0”, which can be downloaded from www.xerox.com/support, search for **VIPP**, and then select **Documentation**.

SAP Printing and VI Suite

Currently, SAP does not provide support for the VI enabled printers and VI enabled eCompose Servers (VIPP to PDF). With the new FreeFlow VI SAP Device Type, SAP users can access the advanced feature set of the VIPP scripting language, resulting a fast, efficient, effective and flexible printing from a delimited, XML or line data (print ready data) file.

The sample device type and form are provided in a zip file (VISAPDT.ZIP) that can be downloaded from the www.xerox.com site. Go to the Support & Drivers section, search for VIPP, and select the Software option. The zip file will be found under the Utilities & Applications section. The contents of the zip file should be reviewed by the SAP systems administrator.

SAP will use the legacy VIPP print path using the “Just Send the Data” model. VIPP resources (fonts, images, forms, etc) must be uploaded to the printer XGFC folders. This can be done during the development of the VIPP application. Once the resources are available to the print device or the FreeFlow VI eCompose server, the SAP print job can be processed using the SAP Device Type that has been configured with the VIPP start commands, in effect just sending the data to the target device.

The only requirement is that the target print device must have FreeFlow VI compose installed and licensed. If the SAP administrator needs to output PDF, they can send the VIPP job to the FreeFlow VI eCompose server using the SAP Device type.

By using the SAP package, SAP system administrators can now look to the benefits of using VIPP and printing to any VIPP enabled print device or using the FreeFlow VI eCompose for PDF generation.

PDF Workflow and VI Suite 12.0

Adobe PDF Print Engine (APPE)

In the VI Suite 12.0 release, PDF output from FreeFlow VI design tools or FreeFlow VI eCompose is APPE compliant. However, the media and finishing control in PDF output can ONLY be processed by FreeFlow Print Server (FFPS), since this feature is not available in most of the APPE devices. To print to the FFPS, you must set the FFPS queue to APPE and the format must also be set to PDF. It is also critical to have the very latest FFPS software installed on the target print device. (93.D4.x.x) or higher.

Great Speed for VIPP to PDF generation

The VIPP to PDF generation time for a typical variable data application has greatly improved based on the new cacheable objects algorithm. The table below shows the speed improvement in creating PDF file using the VI Suite 12.0 tool set.

Note: As with any algorithm that deals in caching reusable objects, not all jobs will benefit from the same performance increase.

Job size = 22,688 pages	VIPP to PDF generation time
VI Suite 11.0 tool set	2 hours
VI Suite 12.0 tool set	40 minutes

Table 1 VIPP to PDF generation time

PDF Output using VI Suite tool set

A VIPP job can be converted to PDF using one of three methods.

1. VI eCompose is the FreeFlow VI Suite production level VIPP to PDF solution. The VI eCompose, based on the content of the VIPP application will generate a Master PDF, Child PDF files and move those PDF files to the next step in your workflow using the VI eCompose Dispatch module.
2. VI Design Pro, the interactive VIPP code application design environment, has an “Export job as PDF” option under the file menu. This option can be used to generate a Master PDF file.
3. VI Design Express, the Adobe InDesign plug-in, has a “VI Design Express PDF” option from the InDesign Export menu. This option can be used to generate PDF output.

Support Embedded and External PDF Resources

VI 12.0 Design Tools (VI Design Express and VI Design Pro) provide an option to embed PDF files or include reference to a “trusted” location, where PDF files are stored. VI Compose software will print the PDF resources on an APPE print device. However, if an APPE device is not available, users can print to a PostScript print device by enhancing the PDF resources with EPS information. The VI Suite 12.0 Design tools provide in-line and batch modes for embedding EPS information into PDF files.

Note: When printing to a PostScript device, users need to be aware that the transparency mode will not work.

Adobe Acrobat and Adobe reader Information

If using PDF Objects as VIPP resources in your VIPP application and you need to view the PDF file output from VI eCompose, you will need to ensure you are using a compatible version of Adobe Acrobat/Reader software. Adobe Acrobat 10.1.4 and above (*10.0 does not work*) and Reader 10.1.4 and above support the “PDF as VIPP resource” feature. For more details, please read to the “What’s New in VI eCompo 12.0?” section in this document.

Web Job Submission Service

VI eCompose 12.0 has been augmented with a Web Job Submission service (WJSS) to support a SaaS type of environment. The Web Job Submission Service (WJSS) was created to provide a fast

turnaround service for processing a large quantity of small VIPP data files that need to be converted into PDF. The advantage of WJSS is SPEED when concurrent processing multiple small-medium jobs is desired. For more details, please read the “Web Job Submission Service” under “What” New in VI eCompoe 12.0?” section in this document.

What's New in VI Compose 12.0?

FFPS Update Manager can be used to update FFPS controllers with the latest version of the VI Compose software. There is no dependency on the version of VI Compose and the version of the FFPS software. Each can be updated independently of each other.

For EFI, Creo or other DFE's, an iso file can be downloaded from the www.xerox.com website. If needed you can burn a CD from the iso file and install on any VIPP supported device including FFPS. If needed refer to each product User Guide for Installation instructions.

For more information on the features and enhancements in this document, refer to the Readme.txt file supplied with the installed software and the VIPP Language Reference Manual as well as the individual product User Guides,. All VI Suite user documents can be downloaded from www.xerox.com/support, search for **VIPP**, and then select **Documentation**.

New and Enhanced VI Compose Features

This section lists all new and enhanced VIPP commands and features introduced since the release of the VI Compose 12.0. All the features and enhancements listed below are supported in the FreeFlow VI Compose 12.0 release.

Command	New / Enhanced	Description	Customer Value
AZTEC barcodes	New	The AZTEC command allows you to create the Aztec 2-D barcode without the need for any printer fonts. The Aztec barcode is drawn at the current position using the data and barcode parameters supplied.	Aztec barcode allows customers to create tickets, shipping notices, etc with the default barcode for that industry.
SETTRAN	New	SETTRAN sets the transparency for all subsequent marking commands including images. Note this command is only active when printing VIPP to an APPE device or generating PDF files using VI eCompose. On a PostScript rip this command is emulated by an opaque tint.	This is a design feature that enables users to apply transparency value to color filled variable objects.
IF/ELSE/ELIF/ENDIF	Enhanced	ELIF combines ELSE and IF in one statement to avoid complex nesting.	This is an ease of use feature.
SETTXXC, INDEXCOLOR and GEPkeys	Enhanced	A new option is added to apply transparency to a color. Note , like SETTRAN, this command does NOT work on a PostScript device.	This design feature enables users to apply transparency value to filled variable objects

SHP	Enhanced	New parameter for SHP has been added to support wrapping on a specified character, string. The text string using SHP will wrap on the specified character if the column width has been exceeded.	This will allow a document designer more control over how text breaks on a page within a defined column width.
SHP/ SHp & SHT/Sht	Enhanced	An error, "VIPP_invalid_syntax" will be raised when the align parameter is missing	VIPP programming tool.
PDF Resource Support (SCALL and RUNPDF)	Enhanced	A 'gray box" proxy will be printed if the PDF resource is not available (either embedded or external location). VIPP will attempt to replace the PDF resource by the EPS image if present or by printing a text pattern of the PDF name.	This is an ease of use feature that enables users to switch the target device to a PostScript printer,
OVERPRINT_on	Enhanced	Overprint is now supported in Data Base mode.	VIPP programming tool.
Normalization	Enhanced	The following warning is raised when no pages are produced: "Warning: VSM#3 Normalization produced empty file."	VIPP programming tool
DRAWBAR	Enhanced	New parameters to print individual values on stacked bars in addition to total value (SPAR 836968329).	VIPP programming tool
SETVAR	Enhanced	New switch (/SWP) to obtain the value from the stack.	VIPP programming tool.
ZSORT	Enhanced	A new "generic" ZSORT capability for XML and Line Data has been added to the VIPP core processing capabilities. The powerful, full featured legacy ZSORT processing capabilities could not process XML or line data. If VIPP detects you are processing XML or line data, it will switch to the generic ZSORT processing mode.	Customers can now apply the power of VIPP ZSORT processing (imposition, front/back registration, north/south imposition) to XML or line data applications.

Table 2 New and Enhanced VI Compose Features

Specialty Imaging

Printing of applications that include Specialty Imaging (SI) is now supported on Xerox print devices. Specialty Imaging can only be used on Xerox toner based print devices (IOT's) with Creo, EFI or FFPS Digital Front Ends (DFE's). When using the Xerox Specialty Imaging technology, select the "Complete" install option to support SI options in the FreeFlow VI Design Express software. To install SI support at a later time uses the VI Design Express 12.0's Custom Install option.

Some of the Specialty Imaging effects require Specialty Imaging printer fonts which are now available for free from xerox.com. Specialty Imaging fonts can be downloaded from the www.xerox.com/support page, search for VIPP, then select the Software tab. Prior to downloading the fonts the user must read and accept the posted EULA agreement.

For more information about using the Specialty Imaging effects in VI Design Express 12.0 applications refer to the VI Design Express 12.0 User's Guide.

Specialty Imaging can affect printer performance as these printing effects require more processing power than standard text printing. Specialty Imaging effects cannot be guaranteed as many factors, including printer calibration, Creo, EFI or FFPS Digital Front End settings, font, color, and media combinations can affect performance and the quality of the special effect.

Please note that:

1. Not all Specialty Image (SI) effects and all colors will work on all devices. It is recommended that users create a patch book, using the SI effects and the available SI colors, and print this book on the target device. Users can then review the results and pick the fonts and colors that work best on that device.
2. Specialty Imaging is ONLY supported when printing to the PostScript rip.
3. Specialty Imaging is NOT supported on busted controllers, office printers, or any third party printer even if it is driven by a Creo or EFI front end.
4. Specialty Imaging is NOT supported on Xerox production devices using Wax or Inkjet.
5. Specialty Imaging is NOT supported on Xerox Office devices.

Support for Clear Dry Ink

Clear Dry Ink is available on the Xerox Color 800/1000 Press as a fifth color housing. VIPP continues to support text, images, and closed path rendering with Clear Dry Ink. The advantage of the VIPP implementation is that there is no need to define any spot colors, overprint, or make any entries on the DFE (FFPS, Creo, or EFI) as VIPP takes care of that automatically. However, the VIPP commands must be applied correctly **for** the effect to work.

VIPP Barcode Fonts

A set of legacy VIPP Barcode printer fonts can be downloaded from the www.xerox.com/support website, search for "VIPP", then select "Software" under the FreeFlow Variable Information Suite tag. Scroll down to the Fonts section to view the available font packages.

The barcode zip file can be downloaded and the fonts installed on your printer. You also need to install the printer fonts in the design tools and VI eCompose products as required.

VI Compose (Open Edition) 12.0

FreeFlow VI Compose (Open Edition) (VIC(OE)) brings the tremendous speed advantage of Dynamic Document Construction (DDC) to non-Xerox printers throughout the enterprise. Document composition occurs right at the printer, which eliminates the need for separate and expensive composition servers, the time consuming pre-composition step, and the need for chunking of data. There are no large files to process on the printer controller, further accelerating throughput speed. VIC(OE) represents the "secret sauce" that provides unsurpassed variable print efficiency.

The purpose of the VIC(OE) option is to allow customers with mixed printer environments who use the VI Compose software and tools on Xerox production devices (with an Windows controller) to run those same jobs on non-Xerox production print equipment they may have available in their shop.

The VIC(OE) software has been modified to install on a non-Xerox devices with an external Windows controller and to support license activation through normal Xerox channels. VI Compose (Open Edition) is the same VI Compose software that is installed on Xerox devices, other than it has installers designed to install on non-Xerox devices.

VIC(OE) device validation

The validation test file will test the non-Xerox production device to ensure the VIC(OE) software can be installed, activated and licensed on the device. It does not guarantee that a VIPP job that runs on a Xerox production device will run on this non-Xerox production device. For more information about limitations when using the VI workflow on a non-Xerox production device, see VIC(OE) Limitations.

A validation test file, “VICompose_OpenValidation.ps”, is provided on the www.xerox.com/support page, search for VIPP, then select Download. This file can be downloaded then printed to the target print device. The file will validate if the VI Interpreter (Open Edition) can run on the target device and print out a one page report. The report, “Ability to run VI Compose (Open Edition): GREEN / YELLOW / RED”, describes the status of the target device in green, yellow, or red text:

- Green text indicates that VIC(OE) can be installed on the device and will start automatically when the printer is started.
- Yellow text indicates that VIC(OE) can be installed on the device, however the VI Compose software will need to be manually started each time the printer is powered off/on. Or, alternatively the user can add the following PS code to the beginning of the VIPP applications to force VI Compose to start: `true () startjob pop userdict /XGF known not { xgf/src/xgfdep } run } if false () startjob pop`
- Red text indicates that incompatibility issues that cannot be overcome, exist on the device. VIC(OE) cannot be installed on the device.

Supported Platforms

The initial release of the VIC(OE) software is targeted for non-Xerox production print devices using a Windows Controller, such as the Creo or EFI front end. For other controller types or additional information, contact the VIPP Hotline support team.

Trial Period and License

The VIC(OE) software will run as a trial for 60-days. During the trial period the software is fully functional. After the 60 day trial period the software will stop working. To enable the software after the initial trial period has expired, the software must be purchased in order to receive a production license to enable the software.

The purpose of the trial period is to validate that VIPP jobs, which are currently running on a Xerox production device, will run on your target non-Xerox production print device. As described in VIC(OE) Limitations (see below), there are differences between a Xerox production printer and a non-Xerox production printer that may cause the job to abort or not print correctly on the non-Xerox production printer. You should pay specific attention to any special feeding and finishing that you are using within your VIPP jobs this is the most likely area where problems will occur.

Xerox highly recommends that all VIPP applications are tested and the output validated before moving these jobs into production on the non-Xerox print device. Depending on the complexity of the job, validate the media, the plex options, the relationship between pages (for example, does the next record print on the next new front), imposition options, etc.

This no longer requires an exception process to order, however there are restrictions and qualifications that must be met before FreeFlow VI Compose (Open Edition) can be made available.

Warning and Disclaimer

DO NOT move a VIPP job into production on the non-Xerox device without first validating that the output is as expected. Xerox does not test the VI Suite products on non-Xerox printers therefore Xerox does not guarantee that every feature and all functionality of said products will work on a non-Xerox printer. It is the customers' responsibility to test any VI Suite product on a non-Xerox printer before they purchase it for use with a non-Xerox product.

Xerox is not liability for any damages that might occur to a customer as a result of using a VI Suite product on a non-Xerox printer. Xerox will attempt to support the VI Suite products on a non-Xerox printer, however, Xerox will only fix reported software bugs that can be reproduced on a representative Xerox Production Printer driven by an FFPS, EFI, or CREO controller. Xerox is not responsible for fixing any software defects on a non-Xerox printer.

VIC (OE) Limitations

The VIC(OE) software is a modified version of the same software designed to run on non-Xerox production devices. Due to internal operational differences between Xerox and non-Xerox print devices, some limitations apply when running VIPP applications on non-Xerox production devices. This section describes a list of possible limitations, which exist mainly in the areas of media, feeding, and finishing calls, VIPP command access, other unique Xerox IOT features, and support limitations.

Tray Pulls / Media Switching

Xerox production printers select media from a tray, based on Weight, Color, and Type. The Xerox production IOT matches the stocks loaded in the trays with the attributes needed to call from that tray. When a VIPP job calls for a particular media type by the weight, color, type or front and back coating attributes, the IOT knows which tray to feed the media from.

There is no guarantee that a non-Xerox production device will work in the same way or even understand the VIPP media calls. Because of this, Xerox cannot guarantee media calls in the job when printing to a non-Xerox production device.

If media calls are not used in the VIPP job (SETMEDIA/SETMEDIAT) then this limitation will not be an issue. Set the initial media/tray pull at the queue level on the non-Xerox production device.

The VI Compose VIPP Language Reference Manual includes information on an alternative method that may be used to control tray pulls. The /MediaSubstrate function can be defined. This sequence must be placed in the /xgf/src/xgf.def file and the printer restarted. In order to use this function, the user must have knowledge of the proprietary PostScript sequences for the media or tray selection on the target device.

In-Line Finishing

Xerox production printers support a variety of in-line finishing options. These include punch, staple, fold and jog. (Not all Xerox IOT's support all finishing options).

There is no guarantee that a non-Xerox production device will work in the same way or even understand the VIPP finishing calls. Therefore Xerox cannot guarantee in-line finishing calls in a job

when printing to a non-Xerox production device. If in-line finishing is not used in the VIPP job then this limitation will not be an issue.

Subset Finishing

Subset finishing allows a large job to have actions applied to it at a record or subset boundary. For example a 1,000 page job may be made up of 100 records; each record may have one or more pages. Each record set can be stapled as a subset.

Non-Xerox production devices may not support Subset finishing in the same way a Xerox Production device does. Therefore, Xerox cannot guarantee Subset finishing calls in a job when printing to a non-Xerox production device.

Xerox Specialty Imaging NOT Supported on VIC(OE)

Xerox production printers support Xerox Specialty Imaging. These are special printing effects unique to the Xerox production IOT's. Xerox Specialty Imaging effects, colors and Specialty Imaging fonts are NOT supported on non-Xerox printing devices; therefore, they are not supported on VIC(OE)

VIPP Commands May not Function on non-Xerox Devices

Some VIPP commands rely on access to the data file during processing and the file system of the device. On Xerox production devices VIPP is allowed this access. Depending on the host DFE configuration and file system read/write ability, these VIPP commands may or may not operate. Because of the vast array of devices out there it is not possible to provide an accurate listing of VIPP commands that may or may not function. It is highly recommended that all VIPP applications be run on the target non-Xerox production device and the output carefully validated before moving any VIPP application to production on a non-Xerox device.

The following is a list of commands that rely on features or access rights which may not be available on the non-Xerox device. This list is not complete and it is highly recommended that all VIPP applications on the non- Xerox device be validated before using the non-Xerox device for production.

- STOREVAR
- SETMEDIA
- SETMEDIAT
- SETFINISHING
- STARTBOOKLET
- ENDBOOKLET

Support for Open Edition

The FreeFlow VI Compose software relies on the full Adobe PostScript specifications (including advanced features) and has been designed to run on Xerox production IOT's. Xerox has worked at the highest engineering levels to ensure compatibility and operational functionality on all supported Xerox front ends (FFPS, EFI and Creo) and IOT's. However, Xerox does not have these advantages when running the VIC(OE) software on third party production equipment.

What does this mean? This means because Xerox has no engineering support for non-Xerox production devices, any issue reported will be validated against a similar Xerox production device. If the Xerox production device exhibits the same issue, Xerox will fix the issue in a software patch and provide the fix to the customer to install and verify. If this does not fix the issue on the non-Xerox production device, Xerox may be unable to assist further, and it may be required to escalate the problem to the equipment provider for resolution.

What's New in VI Design Express 12.0?

When using the 12.0 release of VI Design Express software, it is a pre-requisite to upgrade the VI Compose software on the printer to VI Compose 12.0. If using VI eCompose, then it should also be upgraded to VI eCompose 12.0.

The FreeFlow VI Design Express software is a VI design tool. It runs as a plug-in to Adobe InDesign CS4, CS5, CS5.5 and CS6 on Windows and Intel Mac OS X. (Including Windows 8, Windows Server 2012 Server and Mac OS X Mountain Lion)

Note: When using Adobe InDesign CS5 and 5.5 and Mac OS X Mountain Lion, the Adobe Extension Manager cannot be used to turn on or off the FreeFlow VI Design Express plug-in. Xerox is working with Adobe and Apple to address this issue in a future release.

Note: Adobe Creative Cloud (Adobe InDesign ver 9) is not supported with this release.

New and Enhanced VI Design Express Features

This section lists all new and enhanced VI Design Express features introduced since the release of the VI Design Express 12.0. All the features and enhancements listed below are supported in the FreeFlow VI Design Express 12.0 release. For more information on each feature, refer to the README.txt file installed with the software or the VI Design Express product documentation.

Command	New / Enhanced	Description	Customer Value
XML data type support	New	VI Design Express can support promotional type XML data streams. Transactional XML will be supported in a future release. XML data files can be imported into VI Design Express, allowing graphic artists familiar with generating delimited based applications to generate the same type of applications driven by XML data.	Enabling VI Design Express to support XML allow users to use a simple to use GUI interface to drive Xerox production printers at rated speeds gives print providers a powerful tool to further enable their business.
New PDF Interactive Features (PIF): a) Notes b) URI	New	PIFs (PDF Interactive features) can be placed into a variable data document created by VI Design Express. When printing this type of document, the PIF features are ignored. However when users export the document using the VI Design Express PDF option or send the .vpc file to the VI eCompose server, the PIF features	A PDF document can contain embedded notes and/or URIs. A user can click on the note or URI to get additional information. For example in a real estate document showing

		<p>are active in the output PDF document.</p> <p>The VI Design Express supports two new PF Interactive features:</p> <ul style="list-style-type: none"> a) Note: Under the VI Design Express PIF menu panel, the “Note” option allows you to add a note title and the content of the note. b) URI: Under the VI Design Express PIF menu panel, the “URI” option to add a web address or even a link to a u-tube video to your document, 	<p>photo’s of each room, maybe an embedded note could contain information about that room, dimensions, direction facing, etc.</p>
UPCA, UPCE and Aztec 2-D Barcode support	New	<p>New menu options in the VI Design Express Barcode Options menu are now available to allow you to draw UPCA, UPCE 1-D barcodes and Aztec 2-D barcodes without the need for any printer fonts. When the job is rendered, VIPP will draw the barcodes.</p>	<p>It is now easier to use VIPP to draw the barcodes. Also Aztec is a new supported format that opens markets</p>
Wrap-on-Character	New	<p>An option to wrap-on-character has been added. The user can specify a character (one or more separate characters) that the text in the text frame will wrap on.</p>	<p>This design feature enables designers more control over how strings are displayed</p>
PDF with media and finishing content for FFPS APPE	Enhanced	<p>When “Export Job as PDF” is selected, the GUI panel has a new “Include media and finishing options” checkbox, This feature allows users to optionally include all the media and finishing commands specified in the PDF output . Keep in mind that this option is intended to work only with FreeFlow Print Server devices with APPE enabled. On any other printers, this option is ignored and will have no effect. Also, note that selecting this option will increase the size of the resulting PDF, sometimes significantly depending on number of media changes and finishing options defined for the job and on the total number of pages.</p>	<p>This feature enables the printing of PDF documents on FreeFlow Print Server APPE devices with media and finishing control.</p>

Table 3 New and Enhanced VI Design Express Features

Support for Adobe InDesign CS6

VI Design Express supports Adobe InDesign versions (CS4, CS5, CS5.5 & CS6).

Note: Adobe Creative Cloud is NOT currently supported in VI Suite 12.0.

What's New in VI Design Pro 12.0?

When using the 12.0 release of VI Design Pro software, it is a pre-requisite to upgrade the VI Compose software on the printer to VI Compose 12.0. If using VI eCompose, then it should also be upgraded to VI eCompose 12.0.

New and Enhanced VI Design Pro Features

VI Design Pro 12.0 supports all VI Compose 12.0 command set, including Azetec, SETTRAN, etc. This is vital, because VI Design Pro 12.0 is the **ONLY** design tools in the VI suite that **FULLY** supports every VI Compose 12.0 command.

All the features and enhancements listed below are supported in the FreeFlow VI Design Pro 12.0 release. For more information on each feature, refer to the VI Design Pro product documentation and the VIPP Language Reference Manual.

Command	New / Enhanced	Description	Customer Value
All new and enhanced VI Compose commands (see Table 2)	New	FreeFlow VI Design Pro tool has been updated to support the FreeFlow VI Compose 12.0 command set including support for SETTRAN, Aztec barcodes, and so forth.	Full support of FreeFlow VI Compose 12.0 command set.
PDF with media and finishing content for FFPS APPE	Enhanced	When "Export Job as PDF" is selected, the GUI panel has a new "Include media and finishing options" checkbox, This feature allows users to optionally include all the media and finishing commands specified in the PDF output . Keep in mind that this option is intended to work only with FreeFlow Print Server devices with APPE enabled. On any other printers, this option is ignored and will have no effect. Also, note that selecting this option will increase the size of the resulting PDF, sometimes significantly depending on number of media changes and finishing options defined for the job and on the total number of pages.	This feature enables the printing of PDF documents on FreeFlow Print Server APPE devices with media and finishing control.

Table 4 New and Enhanced VI Design Pro Features

What's New in VI Explorer 12.0?

The FreeFlow VI Explorer is a Windows based VIPP proofing tool. It can also support VIPP Normalization and Demographic modes. **VI Explorer 12.0** has been updated to support all VI Compose 12.0 command set.

Note: CiPress Users:

The architecture of the FFPS CiPress device requires a page independent file be submitted to the controller. Although the VI Compose software, residing on CiPress, has been modified to “VIPP Normalization in-line”, but the VIPP Normalization can add a significant amount of time prior to the application printing. An alternative to the “VIPP Normalization in-line” in CiPress is to use the FreeFlow VI Explore “Normalization” option. This allows the VIPP Normalization to happen outside of the CiPress. Once the VIPP file has been VIPP Normalized, it can be sent to the CiPress.

VI Explorer 12.0 included with VI Compose 12.0

The VI Explorer 12.0 product is now included in all VI Compose Kits. Therefore, if you are ordering a new VI Compose 12.0 product, there is no need to order the VI Explorer 12.0 product separately.

What's New in VI eCompose 12.0?

FreeFlow VI eCompose is a Windows based production level VIPP to PDF generator. It also supports additional features such as splitting the PDF into child PDFs, PDF security and a powerful rule based dispatch system.

New and Enhanced VI eCompose Features

This section lists all new and enhanced VI eCompose features introduced since the FreeFlow VI eCompose 12.0 release. For more information on each feature, refer to the VI eCompose User's Guide, which can be downloaded from www.xerox.com/support, search for **VIPP**, and then select **Documentation**.

Command	New / Enhanced	Description	Customer Value
All new and enhanced VI Compose commands	New	VI eCompose has been updated to support the FreeFlow VI Compose 12.0 command set including support for SETRAN, Aztec barcodes, and so forth.	Full support of FreeFlow VI Compose 12.0 command set..
SaaS - Web Job Submission Service (WJSS)	New	VI eCompose 12.0 has been augmented with a Web Job Submission service (IIS extension) to support a SaaS type of environment. This initial .Net/IIS interface is targeted at a specific type of workflow. (See "Web Job Submission Service" section below for details)	For customers who run a kiosk type operation, the WJSS enables the fastest job turn around possible. The advantage of this is SPEED.
Job Folder Name	New	The default behavior for the job folder name is the user name and the time stamp. However when WJSS is deployed, the default behavior is overwritten and the job folder names are being managed by users via the API.	This is a request from customer system administrators.
VI eCompose Profile Options	Enhanced	Additional profile options can now be selected by going to the Job Submission Client GUI panel under the "File" -> "More Profile Options" menu, Profile options include media and finishing options, End of File marker options and an option to browse to an Adobe Job Option file.	This is an ease of use feature that allows the system administrator to set some of the more common settings required to run the system.

Table 5 New and Enhanced VI eCompose Features

Web Job Submission Service

The Web Job Submission Service (WJSS) was created to provide a fast turnaround service for concurrent processing a large quantity of small VIPP data files that need to be converted into PDF. The performance of WJSS service assumes all the required resources have been installed into the appropriate file system.

The current WJSS interface uses IIS (version 7). The protocol used is .NET/SOAP. This is the only interface available currently. WJSS receives jobs via a XML Job List. A Job List can contain one or more Job Requests. A Job request contains the path and file name of the VIPP Job. Job ID's and information such as input file path, output file path for the PDF and Job Option information is all contained within the Job List XML file.

Responses are sent back to the submitting client for each job processed and for each completed Job List. Several Job Lists (and many Job Requests within any Job List) will be processed by Normalizer instances as they become available. It is the Job List submitter's responsibility to review the messages being sent back and to take appropriate action based on those messages.

To take advantage of the WJSS, the user must develop compatible front end systems to send Job Lists that contain one or more Job Requests and back end systems capable of handling and taking action based on the messages received. It is the user's responsibility to put in place the front ends and back ends to support this operation.

The WJSS is a low-overhead, low-latency, no-frills means of getting a high volume of small, already-deployed VIPP jobs converted to PDF with as little latency between request as is physically possible.

Note: WJSS does not support the standard VI eCompose features such as Watched folders, lpr and so forth

WJSS Install and Documentation

Use of the WJSS client should NOT be undertaken without the support of subject matter experts familiar with your systems, networks, .NET and IIS experience.

The following software applications are required to implement the WJSS solution:

- VI eCompose 12.0 (installed as normal)
- VI eCompose 12.0 multi-user license
- IIS 7 installed and configured
- Web Deploy 3.0 (an extension to IIS)

WJSS software is provided in the FreeFlow VI eCompose 12.0 Installer file. The WJSS documentation is contained in the two zip files below, which are included in the FreeFlow VI eCompose 12.0 installer.

WJSSProxyServer.zip
WJSSTestClient.zip

Manual setup and configuration will be required to use the WJSS solution. Review the WJSS documentation prior to proceed with the installation, setup and configuration. Once you have the system setup and configured, you should review the information in the FreeFlow VI eCompose User Guide about setting up this service as a Windows Service, also see the section below regarding installing the VI eCompose Normalizer Instance Pool (NIP) as a Windows Service.

Normalizer Instances

When the customer installs the system, they can configure the number of active instances of Adobe Normalizer that will run concurrently. This should be based on the systems configuration and the type of jobs you will be running. Recommended guidelines would be to configure one instance per CPU available and 4GB of RAM per instance. WJSS is installed with a designated number of Normalizer instances that stay resident, allowing them to handle multiple sequential VIPP->PDF invocations.

Overall access to the system is being provided by a .NET proxy extension to Microsoft's IIS (Internet Information Services) called the Web Job Submission Service.

Installing the VI eCompose Normalizer Instance Pool (NIP)

The VI eCompose NIP can be installed as a Windows Service using the same method as other VI eCompose Windows Services (e.g. execute the **InstallServices** utility found in the '.../xvtp/bin' folder.). Once installed, go to the Windows Services GUI panel and look for "**FreeFlow VI eCompose Normalizer Instance Pool Service**" entry to set the Startup type as needed. For further information see the VI eCompose User's Guide section about installing VI eCompose components as Windows Services.

VI eCompose Professional Services

To understand all the possible configuration and set up options of VI eCompose, Xerox Solution Enable Team (SET) offers an introductory 4-hours professional service with Client's Programming staff. The purpose is to present eCompose fundamentals, configuration options and consult the client on optimizing the FreeFlow VI eCompose for their environment.

Adobe Acrobat and Adobe reader Information

If using PDF Objects as VIPP resources in the VIPP application and you need to view the PDF file output from VI eCompose, you need to ensure you use a compatible version of Adobe Acrobat/Reader software. Adobe Acrobat 10.1.4 and above (*10.0 does not work*) and Reader 10.1.4 and above support the "PDF as VIPP resource" feature.

In order to view PDF output files that contain VIPP PDF resources, you must open the PDF file from an Adobe Acrobat/Reader privileged folder. To create such a folder you need to edit the Acrobat/Reader preferences.

Any of the following conditions will cause Acrobat/Reader to display "Missing:" followed by the name of the PDF resource:

- The version of Acrobat/Reader does not support Referenced XObjects,
- The preferences were not setup correctly, or
- The PDF file was opened from a non-privileged folder

FreeFlow VI Suite 12.0 Upgrade Information

Upgrade Recommendations

1. It is recommended that whenever you upgrade one component of the FreeFlow VI Suite, you also upgrade all other VI Suite components. This recommendation will keep software components matched avoid packages using new commands not supported by earlier releases of software. Generally a “Command Not Found” error is an indication of a version mismatch.
2. When using any of the FreeFlow VI Suite 12.0 design tools (VI Design Express or VI Design Pro), it is critical that you upgrade any VI component that will render the VIPP application. This would include VI Compose on the target printer and VI eCompose server. Using prior versions of the VI Compose software may result in the job aborting due to new commands used in the VI Suite 12.0 design tools not being available.
3. Any prior version of VI Compose may be upgraded to 12.0 in a single installation.
4. Any customization of VIPP configuration files will need to be re-entered, such as xgfunix.run.
5. For customers using the FreeFlow Print Server, the FFPS Upgrade Manager can be used to update the VI Compose software.
6. The version of FreeFlow VI Compose and the version of FFPS are not dependent upon each other. The FFPS will always come pre-installed with a demonstration version of FreeFlow VI Compose (not licensed). It is recommended that you upgrade the version of FreeFlow VI Compose that came on the FFPS with the latest available FreeFlow VI Compose release.

Note: The latest versions of the FreeFlow VI Suite components can always be found on the www.xerox.com website. Select the “Support and Drivers” section. Search for “VIPP”, and then go to the Software tag.

Supported Platforms & Basic System Requirements

The table below describes the supported printers / platforms for each FreeFlowVI Suite components:

VI Suite Products	Supported Printers / Platforms
VI Compose	<p>VI Compose may be delivered pre-loaded on the device, or can be downloaded electronically from www.xerox.com/support, search for VIPP, then select Software.</p> <p>The followings are the printer / controller types supported:</p> <ul style="list-style-type: none"> • Production Publishing Systems: including DocuTech Highlight Color, and all Nuvera family systems (all FreeFlow Print Server-based controllers). • All FreeFlow Print Server controllers for monochrome and color devices (DocuSP 3.1 version or higher). • Color Press, FreeFlow Print server, EFI and Creo controllers. • iGen Family of Products: FreeFlow Print server, EFI and Creo controllers. • Continuous Feed Printers including CiPress <p>Note: It is a pre-requisite that VI Compose on the target device is upgraded to 12.0 when using the new commands from the VI Suite 12.0 design tools.</p>
VI Compose (Open Edition)	<p>VI Compose (Open Edition) may be delivered pre-loaded on the device, or can be downloaded electronically from www.xerox.com/support, search for VIPP, then select Software.</p> <p>The supported platforms are non-Xerox print devices using a Windows platform controller. Some limitations, restrictions, warning and disclaimers apply, which are stated in the “What’s New in VI Compose (Open Edition)?” section of this document.</p> <p>Please note that the validation test must be conducted on the non-Xerox production device to ensure the VI Compose (Open Edition) software can be installed, activated and licensed on the device. However the validate test does not guarantee that all VIPP functionality will work on the non-Xerox printer.</p>
VI eCompose	<p>To download FreeFlow VI eCompose electronically, go to www.xerox.com/support, search for VIPP, then select Software.</p> <p>VI eCompose can be installed on workstations running in these environments:</p> <ul style="list-style-type: none"> • Windows XP (SP3), Windows Vista (SP2), Windows Server 2008, Windows Server 2012, Windows 7, and Windows 8. (32-bit and 64-bit platforms) • Intel Pentium 4, Intel Centrino, Intel Xeon, or Intel Core Duo (or better) processor • 4GB or better RAM (Per Instance, see “VI eCompose User’s Guide”) • 5GB or better available hard-drive space

	<ul style="list-style-type: none"> • 1024x768 monitor screen resolution (higher resolution preferred) • DVD-ROM/CD-ROM Drive <p>Note: To run multiple instances of VI eCompose, a minimum of one CPU/core and 4GB of RAM is required for each instance. If Dispatch is involved, there must also be enough CPU/memory for all simultaneous post-processing operations, which will vary based on the load and complexity of the jobs to be processed. Given the above, a minimum configuration for 4 instances (without taking Dispatch into account) would be a quad core system with at least 8GB of RAM, running on a 64-bit operating system. (32-bit operating systems are not able to address enough RAM to support the 8GB minimum RAM). If there is Dispatch post-processing and/or other system load on the system, more CPU/RAM should be added as required at the site.</p> <p>The initial installation of VIeCompose provides a 60 day trial period. After the trial period a production license will be required for the system to function. You can activate the production license anytime during or after the trial period</p>
VI Design Pro	<p>The VI Design Pro can be installed on a Windows PC 32-bit / 64-bit systems as well as virtualization. If using virtualization each node must have its own unique MAC address to license the product. The minimum software and hardware requirements are:</p> <ul style="list-style-type: none"> • Windows XP (SP3), Windows Vista (SP2), Windows 7, Windows 8, Windows Server 2008, 2012 (plus any service packs installed) • Intel Pentium 4, Intel Centrino, Intel Xeon, Intel Dual Core (or better) processor • 4GB RAM • 20GB Hard drive • DVD-ROM/CD-ROM Drive • Internet access (to activate the license)
VI Design Express (VDE)	<p>The minimum requirements to run VDE are the same as the minimum requirements to run Adobe InDesign on a supported system. Adobe InDesign must be installed prior to installing the VDE software.</p> <p>The requirements for Windows are:</p> <ul style="list-style-type: none"> • Adobe InDesign CS4 and CS5, CS5.5 or CS6 versions on Windows 32-bit or 64-bit versions • Windows XP (SP3), Windows Vista (SP2), Windows 7 and Windows 8 (including Service Pack Levels as required by Adobe InDesign) • VI Design Express is NOT supported on Windows Server 2012 as this is not listed as a supported platform for Adobe InDesign by Adobe. • Intel Pentium 4, Intel Centrino, Intel Xeon, or Intel Core Duo (or better) processso • 4GB or better RAM • 5GB or better available hard-drive space • 1024x768 monitor • DVD-ROM/CD-ROM Drive <p>The requirements for Mac OS X are:</p> <ul style="list-style-type: none"> • Mac OS X (Intel processor) version 10.4.x, 10.5.x, 10.6.x ,10.7x and 10.8x. • 4GB or better RAM

	<ul style="list-style-type: none"> • 5GB or better available hard-drive spa • 1024x768 monitor • DVD-ROM/CD-ROM Drive <p>When exporting the VI Project Container (.vpc) file format to the printer, FreeFlow VI Compose 12.0 must be installed on the target print device. If exporting the Design Express PDF file format, then the FreeFlow VI Compose software is not required. However, exporting the VI Design Express PDF is not as efficient as exporting and printing the .vpc file format.</p>
Specialty Imaging	<ul style="list-style-type: none"> • Specialty Imaging effects are supported on FreeFlow Print Server (FFPS), Creo and EFI devices driving Xerox production IOT's. • Inkjet and Xerox Solid Ink technology (and similar) systems are not supported. • Do not install Specialty Imaging fonts when Specialty Imaging features will not be used. To print an application that uses these fonts, download the Specialty Imaging fonts used in the application.(Refer to Specialty Imaging and Barcode Font download for more information about downloads). <p>Note: Some of these font files can be quite large. Xerox recommends that you only install the fonts used in your application.</p>

Guidelines

1. All products with the exception of the VI Compose, will operate under a VM environment. No support is offered for the configuration or management of the VM system. Where applicable each VM system must have a unique NIC/Mac address for license activation of the VI Suite Products.
2. Components can be installed on a VMWare system, each node must have a unique Mac address. Xerox will not support any configuration of VMWare systems
3. All installs must be done using Admin privileges and performed local to the Windows system
4. FreeFlow VI Design Express does not support Windows Server 2008 or 2012, as that is not a supported Adobe InDesign Platform
5. For FreeFlow eCompose – it is recommended that if using multi-instances, you allow one core, plus 4GB RAM per instance

TXC e-Store Transactions

U.S. customers have the option to purchase/download FreeFlow VI Design Express 12.0 software or to simply license from the TXC e-Store (<http://buy.xerox.com/>). TXC e-Store transactions provide a method in VI Design Express 12.0 to facilitate license activation in conjunction with an e-commerce transaction. The e-commerce enablement will provide the required notifications (and disclaimers) in the software UI (license dialog, trial reminder notification, and online Help).

If you purchased a prior version of VI Design Express (e.g. VIPP Pro Publisher 7.0) from the TXC eStore and you would like to upgrade to VI Design Express 12.0 you should contact the TXC to get a new license string. The latest software can be downloaded directly from the xerox.com site.

Licensing through the Software Activation Portal

Beginning with VI Suite 12.0, VI Design Express, VI Design Pro, VI Explorer, and VI eCompose will support licensing via the Software Activation Portal (note: not all geographies may choose to use this license process, manual load license from file is still available). Also beginning with version 10.0 of these products, it will no longer be required to go the Software Activation Portal (SWAP) site; if your system has an internet connection the application will communicate directly with the SWAP license server and retrieve the file automatically. VI Design Express 12.0 kits will include an Activation Key. This Activation Key along with the serial number and system host id will allow the customer to retrieve a license file. Please retain the Activation Key and Serial Number as they will be required for future upgrades.

If you received a Software Activation key when you purchased your product, you may activate your FreeFlow VI Suite product by following the License activation process in the User Guide. This involves selecting the menu option "License" to display the License GUI screen. Enter the Software Activation key in the space provided and select the Activate button if any error condition exists contact the Xerox Support Hotline.

For VI Design Express 12.0 upgrades (if not purchased from the Xerox eStore), the software can be downloaded directly from the xerox.com website. However, a new license string will be required to enable the software. After you install the new version of software, select the license menu option from the application, enter your existing Activation Key, and select activate. The software will automatically retrieve a new license file and activate the software for use. If you cannot locate your existing Activation Key, contact the Xerox Support Hotline and they can assist you in retrieving your Activation Key.

For VI Design Pro or VI Explorer upgrades, you should have received an Activation Key in your upgrade software kit. Follow the same process as defined above using the Activation Key that came in your kit.

Note: Licensing via the Software Activation key does not apply to purchases made through the TXC e-Store. When a purchase is made for the VI Design Express 12.0, VI Design Pro 12.0 or VI Explorer 12.0 through the e-Store; a license file will be provided as part of the purchasing process. Use the manual load license from file option to activate this license. The process applies if you received an upgrade of any of these products from the TXC eStore.

Software License Permissions

Several FreeFlow software products are available for purchase from Xerox Corporation including the following which comprise the FreeFlow VI Suite:

- FreeFlow VI Compose 12.0
- FreeFlow VI Compose 12.0 Open Edition
- FreeFlow VI Design Pro 12.0
- FreeFlow VI Design Express 12.0
- FreeFlow VI eCompose 12.0
- FreeFlow VI Explorer

The FreeFlow software license is conveyed to the buyer at the time of purchase. Software licenses are NOT transferable. If the ownership of the FreeFlow system is transferred through resale or other conveyance, the FreeFlow software will need to be re-purchased by the new owner.

A backup copy of this license file should be stored to an archive location (backup disk, DVD/CD-ROM, USB storage device, etc.).

Licensing of third party software (e.g. Adobe® InDesign®) is the responsibility of the customer; Xerox does not provide licenses for third party software.

Limitations and Caveats

VI Compose Limitations and Caveats

1. **Bustle / Integrated Controllers are NOT supported:**
At this time, VI Composed is not supported on the Xerox printers with the Bustled / Integrated Servers on any of the various printers. This configuration of printers covers both Color, Black and White printer classes and none are supported at this time.
2. **Recommend normalization prior to submission to CiPress for faster result:**
The architecture of the FFPS CiPress device requires a page independent VIPP file be submitted to the controller. While a VIPP application can be submitted directly to the CiPress, (the file will be VIPP Normalized internally by FFPS prior to ripping the file), a recommended

alternative would be to VIPP Normalize the VIPP job using the FreeFlow VI Explorer and send the resulting .vpp file to CiPress. Normalization times using the FreeFlow VI Explorer will be faster (depending on the configuration of the PC used).

3. To enable the APPE capability on FFPS, you must set the FFPS queue to APPE and the queue format must also set to PDF. It is also critical to have the very latest FFPS software installed on the target print device. (The recommended FFPS version is 93.D4.x.x or higher.)
4. Users need to know that transparency commands (e.g. SETTRAN) will not work when printing to a PostScript device,

VI eCompose 12.0 Limitations and Caveats

1. Adobe Acrobat and Reader Information:

In order to view the VI eCompose PDF output file, which contains VIPP PDF resources, you must open the PDF file from an Adobe Acrobat/Reader privileged folder. To create such a folder you need to edit the Acrobat/Reader preferences. In addition, you will need to ensure you are using a compatible version of Adobe Acrobat/Reader software (Adobe Acrobat 10.1.4 and above and Reader 10.1.4 and above).

2. VI eCompose Web Job Submission Service (WJSS) does not support the standard features:

WJSS does NOT support the standard features offered by VI eCompose such as watched folders, lpr, VPC files, splitting, PDF security, index file creation, accounting, logging, or Dispatch. If you need to use these features do not use WJSS.

3. Using VI eCompose rendering VIPP jobs containing non-standard fonts:

The VI eCompose uses the Adobe Normalizer library to convert VIPP to PDF. A limited number of Adobe non-standard fonts are supplied by this library. Products such as the VI Design Pro use other Adobe libraries, which support a greater amount of non-standard font. This can cause an issue when using VI eCompose to convert a job to PDF. Fonts that are not part of the Normalizer library will need to be purchased and installed to the Adobe Normalizer Font folder for jobs to be correctly rendered to PDF. When fonts are not available, the job will either abort or make use of substitution fonts. In some cases if the substitution font does not contain the font glyph a square box or other mark may be applied instead of the character. It is recommended that you install your own fonts into the Adobe Normalizer Font folder or only use fonts supported by the Adobe Normalizer library to avoid the issues described above. Refer to the VI eCompose User Guide for the location of the Adobe Normalizer Font folder.

VI Design Express 12.0 Limitations and Caveats

1. When using Adobe InDesign CS5 and 5.5 and Mac OS X Mountain Lion, the Adobe Extension Manager cannot be used to turn on or off the FreeFlow VI Design Express plug-in. Xerox is working with Adobe and Apple to address this issue in a future release.
2. Only Intel-processor based Macs are supported.
3. VI Design Express 12.0 supports all the current encoding scheme supported in VI Design Pro with the exception of Japanese (Shift-JIS) and Japanese (EUC-JP).
4. No variable data support for linked frames – ability to flow text from frame to frame.
5. No variable data support for Headers and Footers.

6. No support for variable data on InDesign Master Pages
7. No support for advanced text attributes (other than standard VIPP supported text attributes)

Note regarding VI Design Express 12.0 Export (aka pre-composition) performance: the performance of the VI Design Express 12.0 Export function is related to the number of variable layers that are active for a given page. To improve performance, design applications to minimize the number of these visibility layers per page (one or two is recommended).

VI Design Pro 12.0 Limitations and Caveats

1. The followings are the data encoding types supported for delimited data files: Unicode (UTF8), Western European (ISO Latin-1), Western European (ISO Latin-9), Western European (Mac OS Roman), Western European (Windows-1252), Central European (ISO Latin-2), Central European (Windows-1250), Central European (Mac OS Latin2), Cyrillic (Windows-1251), Cyrillic (CP-866), Cyrillic (Mac OS Cyrillic), Thai (Windows CP-874), Thai (TIS-620), Vietnamese (Windows-1258), Greek (ISO Latin), Greek (Windows-1253), Turkish (ISO Latin-5), Turkish (Windows-1254), Arabic (Windows-1256), Arabic (Mac OS Arabic), Hebrew (Windows-1255), Japanese (Shift-JIS) and Japanese (EUC-JP)

Specialty Imaging Limitations and Caveats

1. GlossMark® Text is not recommended with the DocuColor 242/252/260 or EA Toner based products.
2. MicroText is not supported on the DocuTech 180 HLC, DocuTech 180 HLC Publisher, DocuTech 61XX or DocuPrint family of printers.
3. CorrelationMark is not supported on the Xerox 4120/4590/4595, DocuTech180 HLC, DocuTech180 HLC Publisher, DocuTech 61XX or DocuPrint family of printers
4. Venezia Mode is recommended when using FluorescentMark, Infrared Text, or GlossMark® Text with the DocuColor 7000AP/8000AP/7002/8002.
5. GlossMark® Text, FluorescentMark, and Infrared Text is not supported on the Xerox Nuvera® 100/120/144 EA DPS, Xerox Nuvera® 288 Digital Perfecting System, 4120/4122/4127/4590/4595, DocuTech180 HLC, DocuTech180 HLC Publisher, DocuTech 61XX or DocuPrint family of printers.
6. GlossMark® Text, FluorescentMark, Infrared Text, Correlation Mark, and MicroText are not supported on the Continuous Feed family printers.
7. The font files supplied for Specialty Imaging can be very large. The full set can take up to 2GB disk space and, if installing as a printer font, it could take up to 6 hours to complete the font installation.
8. MicroText fonts contain only these characters (lower case characters are mapped to upper case characters for printing purposes): A through Z, 0 through 9, ! @ # \$ % & * () - _ = + [] ; : ‘ “ , . ? / € , and ¥ and should be printed using solid color (Black, Cyan, Magenta or Yellow)
9. Specialty Imaging can affect printer performance. Specialty Imaging requires more processing power than standard text printing; because of this, Xerox recommends that you test your application and adjust the use of Specialty Imaging based on your device and performance needs.
10. Paper stock can influence quality and the appearance of the special effects. Xerox highly recommends that you fully test your Specialty Imaging applications, using the intended paper stocks, for quality and performance, prior to going into production.

11. The condition of the printer and the color setting can affect the appearance and quality of the effects.
12. Not all Specialty Imaging effects will print in a satisfactory state on all devices. Due to the unique characteristics of these effects and the individual device settings, configurations, and media selections, you must test and possibly use alternative supported colors, media, fonts, and font sizes to achieve the desired effect.

Backing Up Your VI Resources

Customer performed backup procedures are an important and necessary function. The customer is responsible for scheduling and performing this important function to ensure all data integrity of the backup process.

It is highly recommended that customers perform routine backups of VIPP resource files located in the \xgfc sub-directories. If you have customized any of the VIPP program, it is strongly recommended that before you proceed with any upgrade you either make a copy or print out the contents of all customized VIPP files located in the ... xgf\src and ...xgf\encoding directories.

Virus Protection

Xerox takes special precautions to ensure the software is shipped free from computer virus contamination. The customer is responsible for the on-going protection of their computer systems from viruses. We strongly recommend that customers invest in a virus detection software application and regularly run virus scans.

The VI Suite has no specific caveats in regards to virus protection.

Customer Software Support

Xerox products and solutions are fully maintained and supported through the Field Service Maintenance Agreement (FSMA). As part of the FSMA, FreeFlow VI Suite software and operational assistance is available through hotline support via the Xerox Customer Support Center. This group works closely with various software development organizations to resolve software issues that inevitably arise with any software application. The process to address software problems is referred to as the Software Problem Action and Resolution (SPAR). This process is designed as a closed-loop communication between the customer and the development organizations.

VI Suite Customer Forum

You are invited to become a member of the FreeFlow VI Suite customer Forum. Not only is it free, it will get you the answers you need - fast. This forum covers anything and everything to do with the VI Suite, the individual products such as the FreeFlow VI Design Express, the FreeFlow VI Design Pro, the FreeFlow VI Explorer, the FreeFlow VI eCompose and the FF VI Compose as well as the VIPP language. The forum is supported by VIPP subject matter experts and customers just like you. Log onto www.vippsupport.xerox.com and start re-discovering what VIPP can do for you. It's free and it helps. Log in today.