

Brisque to Prinergy and Evo
Features and Functions Migration Guide

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Revision History

Revision	Date	Author	Comments
1.0	January 16, 2006	James Bredenhof	Original Release; Collate from emails from primarily from Ricardo Trzmielina, Jim Cox, plus others.
1.1	January 23, 2006	James Bredenhof	Cleaned up; added more items from other threads; removed references to future developments.
1.2	February 15, 2006	James Bredenhof	Added comments/clarifications from Brisque Migration list. Re-organized for readability.
1.3	February 24, 2006	James Bredenhof	Added additional content from Jim, Ricardo, Tim Saxton, Brent McDonald
1.4	30 Mar, 2006	James Bredenhof	Ken DeCarle assigned part number, rough edit, formatting cleanup.
1.5	20 April 2006	James Bredenhof	Added info re: Brisque Serve shares, Spectrum connectivity, Dawn's comments re: PPDs with Lotem FH, Refine to Gray, various other.
1.6	15 June 2006	James Bredenhof	Added Karat, Cut2Go, and various clarifications.

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1. INTRODUCTION

The purpose of this document is to help Kodak applications specialists and field engineers map typical Brisque features and goals to equivalent Prinergy and Evo features or approaches that accomplish the same goal. Note that while the goals are the same, the specifics and the ways of accomplishing them may sometimes be very different.

Every workflow will have oddities, nuances, and little-known-functions that people expect and like, and reproducing these characteristics in Prinergy and Prinergy Evo is a never-ending task with little ROI. The expectation is that Kodak can replace the basic Brisque functions and goals with similar Prinergy and Evo capabilities, and ensure that the benefits of the new workflow compensate for the inevitable cases where the workflows don't have 100% parity.

Migrating from Brisque to Prinergy or Evo has significant advantages in terms of features and performance. However, for a successful transition to occur there are a number of issues which need careful consideration. This document lists the major considerations which must be understood as well as some key factors for a successful implementation strategy. There are benefits to changing to Prinergy that are covered in more marketing-oriented documents.

Terms used in this document

- **Prinergy**
  Refers to Prinergy Connect + Prinergy PowerPack + Prinergy Evo (for example, the entire family of Kodak PDF workflow products)

- **Prinergy Connect**
  Refers to Prinergy Access + Prinergy EL + Prinergy Single Server + Prinergy MR + Prinergy HV (for example, all configurations of Prinergy with a database except Prinergy PowerPack) + Prinergy PowerPack (when discussing features common with Prinergy Connect)

- **Prinergy PowerPack**
  Refers to the Prinergy PowerPack product (when discussing features distinct from Prinergy Connect)

- **Prinergy Evo**
  Refers to Prinergy Evo product (includes RTPO, R, RO and O configurations)

- **Prinergy xxx** or **Prinergy Evo xxx**
  Refers to a specific configuration and is used when there is need to distinguish it from other configurations

Prinergy and Evo share the same core PDF processing (Refine, ColorMatch, Trap, RIP, and so on). However, they differ in their user interfaces and job context. In general, Evo is more Brisque-like (JTT Palettes, no database, more direct interaction with the file system), while Prinergy provides the infrastructure for NGP connectivity (job context, long-term processing history, materials reporting to MIS, tight InSite connectivity).

Sometimes differences occur between Evo and Prinergy Connect because they do not have the same job context. For this reason, the two are presented as separate columns in section 2. The statements in section 2 relate to Brisque version 5.x.

2. LIMITATIONS AND POTENTIALLY MAJOR ISSUES

This table lists functions where duplicating Brisque functionality requires a significant operator workaround, or where there is no existing workaround for one of either Prinergy Connect or Evo.

Features and functions		
Brisque	**Evo**	**Prinergy Connect**
JTTs: Saving JT with job. Many Brisque customers save the JTs that they use with the job.	Export PT from PTED and store with the job folder for archiving.	There is no way to save the Process Templates with the job in Prinergy
Print Spoolers	Like JTTs, I think these can't be migrated automatically, because they're hooked to the PTs. However, we can create new virtual printers to do similar jobs. Evo, without database-controlled job context, does have print spoolers.	In Prinergy Connect, there are no print spoolers. Prinergy Connect's job context would have required thousands of print spoolers.
Legacy CT/LW and TIFF/IT – Separated pages - CT/LW can be separated due to either a) separated input that did not have the Merge atom run after RIP, or b) complex files (often from Transparency) where the LW color table exceeded the 64,000 color limit of NLW (or 256 color limit of LW). For case a), most sites would have already done Merge on Brisque (so they could FAF, etc.). So, we can assume that most separated CT/LW will be due to case b) (technical limitations of the CT/LW format—there's no way to recompose one of these files)	Note that pre-separated CT/LW pages cannot be processed with the CEPS JTP (or most 3rd party CEPS conversion utilities, such as Shira CEPS Link). Assuming that the data is separated due to case b) (64,000 color limitation), then the only way to get these pages through Prinergy is to process the original PS/PDF. There's nothing we can do with the separated CT/LW.	Same as Evo
Legacy CT/LW and TIFF/IT – impo jobs	Whole Impo Jobs cannot be brought into Prinergy.	Same as Evo
Pre-Brisque Legacy CEPS files (Flyte, Whisper, etc.)	CEPS JTP cannot process these. Sites needing to process these formats are advised to either keep Brisque on site to translate to CT/LW (and then process with Prinergy's CEPS JTP), or use a 3rd party conversion utility capable of understanding these formats	Same as Evo.

Features and functions		
Brisque	**Evo**	**Prinergy Connect**
Versioning: Brisque has a versioning plugin that uses spot colors to define versions. It can also combine separate files into one .job or use a specific separation in a file to create different versions. It allows you to create one file from multiple sources)	Depends on the type of versioning. Prinergy Connect and Evo can consume files with spots (mapping SpotEnglish to K on final output). "Multiple pages in 1 page position" type versioning can be achieved using Preps independent page method. However, Evo cannot combine multiple input files into a versioned page.	Additionally, Prinergy Connect has a comprehensive versioning feature allowing the user to take versioned input with other types of construction (not just the spot model of versioning) and create a new file that uses PDF 1.5 Layers to manage the objects that contribute to each version.
8-bit TIFF as page	Possible on PTs with CEPS conversion turned on	Possible in Prinergy 3.1.0.2 and later.
JoBit (series of 1-bit TIFFs converted to page)	Not possible. Workaround is to pre-process series of 1-bit files with an external application, such as Copydot Toolkit.	Same as Evo.
Fonts – CJK (Chinese Japanese Korean)	Note that licensed Chinese/Japanese/Korean fonts are not transferable between systems (Brisque to Prinergy).	Same as Evo
"Black to Knockout" feature: When Brisque users turn Black Overprint off in the Rip / Color Handling / Overprint Parameters, they get knock-out blacks regardless of file specifications.	Prinergy can "overprint black" or "honor file settings". It does not automatically "set black to knockout".	Same as Evo
Screening: combination of screen types on a single signature output. (for example, 175 LPI CMK and Staccato for Y).	This requires multiple outputs from Prinergy (1 for the AM screening, 1 for the FM screening. If PrintLink is used and press console requires "all in one file' PPF, also requires a separate PrintLink output).	Same as Evo. For sites with RBA, this functionality can be automated with RBA.
Screening: D-Ratio Brisque can control the amount of "roundness" a dot can have. D-ratio (Diagonal-Ratio) compresses the dot to be more round or more elliptical (100% = round dot)	Not possible in Prinergy Connect/Evo	Not possible in Prinergy Connect/Evo
Color Libraries: How do I move color libraries from Brisque to Prinergy?	No automatic conversion at this time.	Same as Evo

Features and functions		
Brisque	**Evo**	**Prinergy Connect**
Arrange Atom (for scatter proofing and proof-drop HFs (time- and/or media coverage-sensitive scatter proofs). This is a big deal for optimizing media utilization. It also has the ability to create step-and-repeat files, “on-the-fly” impositions etc). Also can assemble CT and other non-page files.	CT files or non-page files must be converted to PDF first for Prinergy Connect/Evo to consume them. Prinergy Connect/Evo has N-up facilities and controls that take care of proofing pretty well as long as the page size is known. This works best for cases where the proof can be manually initiated, and the N-up works best for similarly-sized pages. Evo has the following: For cut sheet output, the PT offers auto width and auto height options. This means the user does not have to know how many pages across or down to fill the sheet. The maximum pages that fit will automatically be determined. The pages are processed in the order input so there can still be a lot of waste or incompatible pages (e.g. alternating landscape and portrait pages). In the Process Start window of Evo, the user can drag and drop the pages to make them more compatible. Between N-up and auto-fill, Evo will satisfactorily handle a very large percentage of normal proofing to fixed sheet size proofers like Veris and Approval. Full featured Scatterproofing (“wait until either % sheet coverage is met, or time elapsed is met”) is not available per se. “Fill film” capability (i.e. image Cyan separation beside Magenta separation on same piece of film) is also not possible in an automated fashion.	Same as Evo, although no “auto width and auto height” capability.
Plate Remake	Evo: only As long as the Process is in the Process Queue, the Plate can be Remade (Remake).	Not available. Drag-and-drop remakes is possible from Print Console if using a TIFF connection to the device (rather than direct connection). However, the user experience for this would be quite different than what users have with Brisque.

Features and functions		
Brisque	**Evo**	**Prinergy Connect**
Kodak Approval connectivity: Brisque can connect directly to the Approval: User can define densities for donors in Screen Sets and/or SpotColor DB.	Prinergy Connect/Evo cannot connect directly to Approval. We should ensure that Brisque-to-Prinergy presite include the caveats regarding Kodak Approval connectivity (Prinergy Connect/Evo require AIT software. If Tile and Rotate is required, this must be on a separate computer, otherwise it can reside on the Approval workstation). Tweaking of highlights in AIT curves will be required (since Prinergy screening is different than Brisque screening) Dot Gain Conversion – A tool has been created to convert from the Brisque .trc format to the Harmony .hmy format resulting in significant time savings. This tool will be distributed to the field for use onsite. Calvin Curtice	Same as Evo
Spectrum Connectivity: On Brisque, this was a direct connection, even when using ColorCombiner (to simulate spot colors halftones with CMYK donors).	For Connect and Evo, using ColorCombiner requires TIFF output. This means that the Print Console will need to be licensed for TIFF Downloader. Users will also need a small amount of manual interaction with Print Console (group TIFFs separations into a single proof, then Approve it.) If a site doesn't use ColorCombiner or spot donors, and they're okay with reordering spots within Prinergy, then Direct connect to Spectrum works (there are sites that do it).	Same as Evo.

Features and functions		
Brisque	**Brisque**	**Brisque**
BrisqueServe and Timna Servers - Retrieves	Archived Brisque .job's can be retrieved and processed via Prinergy Evo, (see "Legacy CT/LW and TIFF/IT"). Archived DTP files can also be retrieved and re-used for new jobs or re-runs. The program used by Brisque, BrisqueServe, Ripro and Timna to write tapes is Legato. The tape format is a Legato format. Legato do have a Windows version of their software. However, Legato won't/can't guarantee that the Windows version can read tapes written by the UNIX version. Legato cannot share tape devices with Microsoft's Removable Storage Manager (that Prinergy uses). So I would recommend leaving BrisqueServe/Timna on-site if they want to read Brisque tapes.	Same as Evo

3. NETWORKING AND COMMUNICATIONS, SERVERS, OPERATING SYSTEM

Features and functions		
Brisque	**Evo**	**Prinergy Connect**
BrisqueServe and Timna Servers - Connective	Prinergy Evo can be connected to BrisqueServe or Timna server using UNIX connective kit available for Prinergy Evo - (Samba).	Brisque Server can be used a Job volume for Prinergy: For Prinergy, we need to create a share using the AraxiVolume prefix in order to add as a tertiary server. You don't create a "new" share for the input volume, just use something within an existing /dataVolume/whatever share. On reboot, the server will attempt to get rid of new shares. To avoid this, you can just remove the lines about shares in smb.conf.
BrisqueServe and Timna Servers - Archive	Prinergy Evo jobs (files) and together with DTP files can be stored / copied to BrisqueServe or Timna Server and then Archived.	Same as Evo

4. WORKFLOW, TEMPLATES

Features and functions		
Brisque	**Evo**	**Prinergy Connect**
JTTs (aka Process Templates): How do I move them to the new system?	These are impossible to migrate, because Brisque and Prinergy are too different. Although there are similar end goals (example, "create a press-ready CMYK-only trapped page"), the settings used to get there are different (Normalize/ColorMatch/etc. settings vs RIP/FAF/etc. settings). These are probably better to build from scratch.	Same as Evo
Chains of Atoms/Processes, including the Hold Atom in a JTT	Equivalent concept in Evo "workflows".	Re: Hold: Similar effects to "Hold" can be simulated using Rules Based Automation (example, "wait until page approval status changes to Approved, then output hard copy proof"). However, the user experience for this would be quite different than Brisque's "Hold'-enabled workflows. "Hold" is Not available per se. Re: chains of processes: There are Workflow Plans ("import, Refine, page proof", "Import, Refine, impose proof", and 'Import, Refine, Plate"). These chains of events might be more restrictive than what might have been built on Brisque. More complex chains of events can likely be accomplished with RBA.

5. CLIENT SOFTWARE

Features and functions		
Brisque	**Evo**	**Prinergy Connect**
Installed from server	Installed from server	Installed from server. Runs OS 9, OS X, NT, Win2000, XP

6. FILE INPUT AND PROCESSING (SOURCE FILE INPUT, RIP VS REFINE, OPI, APR, FONT HANDLING, PREFLIGHT)

Features and functions		
Brisque	**Evo**	**Prinergy Connect**
Hot Folders	Evo has Hot folders. Like JTTs, I think these can't be migrated automatically, because they're hooked to the PTs.	Same as Evo.
Preflight profiles For Brisque 4.1 and lower, the preflight engine was Enfocus. In 5.0, the engine is Creo-built.	Preflight profiles from Brisque 4.1 and lower will need to be manually migrated, but from Brisque 5, profiles can probably be simply copied to Prinergy Evo.	Same as Evo
APR/OPI paths	In Evo, this is a PT attribute, so manual migration might make sense. In Evo, OPI paths are typically either file-relative or point to one (or a few) main image library(s). If the file is received with images embedded, then this is no problem	In Prinergy Connect, OPI paths are a job attribute, so not likely to be easily translatable. Frequently used OPI paths (example, for repeat jobs) can be automatically set in Prinergy Connect using a previous job as a Template Job for new jobs.
APR links in PS files	Prinergy Connect/Evo can understand the APR links	Same as Evo
Fonts – non-CJK (Chinese Japanese Korean)	Prinergy Connect/Evo require the user to convert fonts to PFA format with a font converter. If Brisque fonts are PostScript or TrueType, this shouldn't be a big deal to convert.	Same as Evo
Spot Color XT for Quark – Used for resolving conflicts in spot naming, example spot CV and CVC colors	In ColorMatch section, turn on "Auto Resolve Spot color naming conflicts', which will convert CV, CVC, etc. colors to the C extension. Alternately, mapping/converting of spots can occur during a 2nd Refine.	Same as Evo
Spot XTension for Quark – Used for mapping spots to cmyk or to other spots and also forcing spots to overprint	I don't think the settings for this would be respected by Prinergy. However, you can configure your Prinergy Process Template to convert spots to process, or to "knockout colors".	Same as Evo.

Features and functions		
Brisque	**Evo**	**Prinergy Connect**
Colorized TIFF XT for Quark – this allows Quark to write nice clean composite PS for spot colorized TIFFs.	This also works with Prinergy Connect and Evo. (It was originally written for Prinergy Connect. :) Note that this XT is no longer required for Quark 6 and its "DeviceN" output.	Same as Evo
Print XTension for Quark – allows you to print a multi-page Quark document as multiple PS files	Not available for Prinergy, but the resulting multi-file PS should work fine. Note that Prinergy Connect and Evo can both convert multi-page input files to separate files (1 page per file)	Same as Evo.
Legacy CT/LW and TIFF/IT – Composite pages and multi-page .jobs	The CEPS JTP can convert the pages in a .job or .p to PDF file. In some cases, portions of text may appear fatter than others when output to low-resolution proofs. This is not an issue on plates or higher-resolution proofs (example, turning on anti-aliasing when rendering to contone TIFF proofs will minimize the appearance of this effect). Note that CEPS pages will have a ~50% hit compared to vector pages for Refine and Plate, so size systems accordingly if they intend to run a lot of legacy jobs through. Evo can launch processes from Brisque .job files dropped into its hot folders. At the moment it doesn't do a good job of cleaning up the .job folders themselves.	Same as Evo For Prinergy Connect, Hot Folder input does not work; you must use the UI's "Add Input" approach to convert the CT/LW pages to PDF.

Features and functions		
Brisque	**Brisque**	**Brisque**
Cut2Go Brisque v5.1 has a Cut2Go option that enables you to create a vector-based EPS file from the die-line separation of a Brisque implosion.	Vector JTP will respect colorant controls (example, "omit these colors"). So you can select your page or imposition, and specify "do not output" for all colors except Dieline, and you end up with a vector-based EPS/PDF/etc. with just Dieline. Note that I think vector EPS output is license-controlled through "Vector DCS output", though. One caveat is that, when doing this, the Vector JTP will include all objects from the original page, but non-painting (i.e. white). It's hard for the vector JTP to determine if a white object is really necessary or not (for example, a white object might be actually used to mask some of the other painting objects). Users wanting to repurpose vector data in Illustrator (and don't want extraneous objects on the file) may have to manually "clean up the file" using Illustrator or Acrobat/Pitstop (select a white object, "Select similar", delete). If they just want the EPS file so they can print it out (to film, etc.), there's no need to clean up the file.	Same as Evo.

Features and functions		
Brisque	**Evo**	**Prinergy Connect**
Compressed Brisque Jobs.	Brisque seems to use .tar.Z format, so you can use 3rd party tools to extract the data. Consuming the .tar file directly in Prinergy Connect/Evo is not possible. StuffitExpander on Mac will extract the folder structures without any error messages. The result with this is a valid .JOB folder structure, which you can use the CEPS JTP to convert to PDF. (Using WinZip on PC you get "invalid filename" with WinZip on .rsrc files (not necessary for interpreting the job), although messages can be irritating. Surprisingly, I found in my quick test that some of the CT files were garbled or skewed. Not sure if this is my level of WinZip (8.1) or if WinZip in general has an issue with this flavor of file... I'd avoid this for now.)	Same as Evo
Convert to Grayscale; on Brisque, this is a RIP Atom parameter.	In the Evo, where they have easily importable process templates they have a default "refine to gray" PT that you can install on the system without having to even point the refine PT to the gray ICC profile.	In the future, we hope to ship new systems with a "Refine to Gray" PT. In the meantime, instuctions for this can be found at http://techplanet.creo.com/software_solutions/ workflow_software/prinergy/content/ troubleshooting/DDUY-0000102.htm

7. TRAPPING AND FILE EDITING

Features and functions		
Brisque	**Evo**	**Prinergy Connect**
Trapping differences	PDF Trap can trap vector and text objects to raster data, and can trap the outline of raster objects to vector objects and other raster objects." Sites with very demanding trapping needs should send representative files to D&B.	Same as Evo
PressTouch – Trapping, Add Varnish, edit CTs, change LW colors and add separations	Similar functionality using Prinergy's Acrobat TrapEditor plugin, PlateBuilder plugin for varnishes, Editing CTs with Acrobat/Photoshop Touchup, (Note that Acrobat Touchup sometimes doesn't place images correctly when exporting back to Acrobat. To get good geometry placement, use Acrobat 7 with Photoshop CS1, not Photoshop CS2). Because Prinergy uses PDF as internal format, you can use 3rd party PDF editing tools of your choice (Enfocus, OneVision, etc.) to edit object colors, among other things	Same as Evo

8. COLOR MANAGEMENT, SCREENING, CURVES

Features and functions		
Brisque	**Evo**	**Prinergy Connect**
Screening: What Prinergy angles correspond to my favorite Brisque screen sets?	Coming from Jim Summary of Prinergy's orientation: 0 up 90 to right increase clockwise standard angles every 15 from 0 to 165	Same as Evo
Screening: composed dot, which morphs between round/square dots based on percentages	Euclidean (Round-Square) or Elliptical-P (Euclidean using elliptical instead of round dots) should take care of this. Note: Reset phase per page is currently broken (pages with close-cropped images will not render properly)	Same as Evo

Features and functions		
Brisque	**Brisque**	**Brisque**
Screening: Continuous Screening (one “big” screen per plate) and Cell Phasing (screening process restarts per page).	Prinergy Connect/Evo has this. It is called like “Reset phase per page” in the Screening section of the Process Template.	Same as Evo
Excurves	If Excurves is the only curve used in Brisque (such as the case of a trade shop that produces linear film only from the DFE), then use the film curve capability in Harmony, with a linear target curve If the customer uses both Excurves and Tone Rep, but the film or plate Excurve is static, then the Excurve can be blended with the desired and measured press curves to produce current and target curves for Harmony. If the Excurve is used to maintain plate or film stability, with static Tone Rep curves, then the calibrated current curve capability in Harmony must be used. Alternately, For Excurve (linearization) + TRC (dot gain), I would: 1) Create a calibration with linear Target curve, 2) Create a Derived curve for the TRC (dot gain) compensation based on the liner curve. The reason is that Excurves are never static. Customers tend to tweak them as they go to set the device linear. The Dot Gain, though is normally static for specific paper/dot/ink. The exception would be devices such as Spectrum/Kodak XP, where there is no need for Excurve and the Dot Gain is known.	Same as Evo
Tone Rep curves	This is analogous to Harmony. Moving TRC to Harmony is a manual process	Same as Evo
RIP Color Sets	Prinergy Connect/Evo ColorMatch settings are equivalent	Same as Evo

9. IMPOSITION

Features and functions		
Brisque	**Evo**	**Prinergy Connect**
Imposition Check	Not sure about the need for this in Evo?	Prinergy Connect has the “import imposition” step, which will determine some imposition problems, such as the presence of Marks files)

Preview – edit imposition	No in-workflow editing of imposition, but is possible Via Preps	you can edit impositions using the integrated Preps
Geometry differences **Imposition –** Brisque users typically output a ICF that is the size of the press sheet (using generic PPD with dynamic output size, then plate with "shift" params appropriate to that press),	Prinergy users typically output their PJTF/JDF impositions to the size of the plate. I like plate-sized impositions so you can use automatic size selection in Print Console to choose the correct plate when all the TIFFs are dropped in the same PC hot folder. But if you make a hot folder per plate size, you can then make the TIFFs press sheet sized and direct them to the appropriate HF with offsets defined in PC. For a duplexing proofer, Prinergy/Evo automatically generates the rotation and offsets to create proper backup. If the user wants to specify shifts at the plate setter, that works perfectly fine with Evo as well. But that requires that each plate be directed to a hot folder or PT for that specific plate size. You have to do that every time you output a plate. Defining a device is a one-time operation. Then you just select it when writing from Preps (5.2 even allows you to choose a different plate size (device) per signature. From there on the platemaking is completely automated and all plates can go through one channel (hot folder) on Print Console. if you wanted a single device in Pres, just create one that is the size of the largest plate you'll be using… Preps will allow the impo file to be generated because the sheet fits to the printer, and Evo doesn't care where the sheet sits on the media as defined by Preps so if you're using a VLF plate in Preps but a 3244 plate in Evo the imposition will still work as long as the sheet in the Preps template fits the media defined in Evo. If you have an impo on a VLF plate size from Preps, in Prinergy Connect, you can enter "center on width" and "shift by -XXX" to get it into the correct position for the new smaller plate size.	Same as Evo.

Geometry differences – page Brisque pages are centered automatically	In Prinergy Connect and Evo, you can use Center Page (In Evo, Center page works in 3.1 only) Additionally, Prinergy recognizes TrimBox from many common applications, so there's not as much need to Center Page in Prinergy Connect/Evo	Same as Evo
PPDs – similar to geometry differences	Jim to work on?	
Preps	Preps 5.2 has new tools in the AppleScript menu that allows you to convert existing Brisque jobs to Mixed or PDF jobs, appropriate for repurposing and sending through Prinergy Connect and Evo. Note that this will result in lost runlist.	Same as Evo
Marks – adding them to output Brisque can add marks to output. These appear to be standard EPS/PDF formats.	Prinergy Connect/Evo can place PDF marks onto Loose page and Imposed output. (proof and plate)	Same as Evo
Marks – 100% K becomes "registration" If the customer created a registration mark for Brisque and they colored the mark in Illustrator as 100% black. When this mark was used with Brisque workflow the mark appears on all plate separations.	This seems like a pretty specialized feature that is not necessarily expected for existing users. To work correctly with the EVO workflow they must edit the EPS mark and use Registration color in Illustrator if they don't the mark only appears on the black plate.	Same as Evo
Marks:, Curves, Stacking order, Overprint state Marks containing "colorbar" within the file name allow the Brisque to apply or not the TRC to it (Preferences). This means that you can choose to the have marks being affected by the curve or not; Marks containing "topmost" within the file name will always come on top of everything else in the imposition (toggle switch is the file name) Marks containing a white background may or may not have their background knocking out elements behind it	Re: curves: You can specify this on a per-mark basis independent of filename in Preps 5.2. Alternately, you can specify that the entire marks flat does not get calibrated. Re: Stacking order: You can specify this in any version of Preps by selecting "bring to front". independent of filename. Re: overprint state: In Prinergy, we assume that objects in the Mark are intended to overprint, except for white (what majority of people want). Users who want Prinergy to respect the overprint state as specified in the marks file can change a registry setting to do so.	Same as Evo
Automatic Mapping imposition spots to page-specific spots (example, SsiCustom1, SB1, etc to ReflexBlue, etc.)	Evo can do this	Prinergy Connect cannot do this automatically, although it's possible to accomplish manually.
Reader Spreads – In Brisque,	In Prinergy Connect/Evo, this is handled as part of Refine step.	Same as Evo

this is handled in Preps	You end up with multiple PDFs representing the halves of the incoming reader spread pages.	
ICFs: The ICF format is a proprietary format that you output from Preps into the Brisque.	There is a script available which will convert an ICF to a non-proprietary PJTF, and preserve the runlist. To use this, you would add the job level assigned a file to Prinergy, rather than the page level assigned files. Doing this will result in the file naming convention that will be compatible with the naming convention from the script, and the ICS that you bring into Prnergy will be populated.	This script may be integrated into Prnergy's import imposition feature in the future

Variable marks	Mostly same as Prinergy Connect	Here are the available ones. Full details on each are available in the online help $[angle] $[color] $[colorsOnPage] $[colorsOnSurface] $[CalCurve] $[device] $[DotShape] $[ICCProfile] $[ImpBleedSizeX] $[ImpBleedSizeY] $[ImpPlanName] $[ImpTrimSizeX] $[ImpTrimSizeY] $[MappedPrintingColors] $[MappedPrintingColours] $[Jobcode] $[Jobname] $[medium] $[OutputComment] $[OutputDate], $[Date] $[OutputTime], $[Time] $[PageFileName] $[PageName] $[PageOffsetX], $[POX] $[PageOffsetY], $[POY] $[PageOrientation], $[PO] $[PagePositionName] $[PagePostionNumber], $[PPN] $[PageScaleX] $[PageScaleY] $[PageSetName] $[PageTrimSizeX], $[PageTrimX], $[PTX] $[PageTrimSizeY], $[PageTrimY], $[PTY] $[PrintingOrder] $[ProcessPlanName] $[ResolutionX], $[RX]

		$[ResolutionY], $[RY] $[ScreenRuling], $[SR] $[ScreenSystem] $[Sheet] $[Signature], $[SIG] $[SurfaceName], $[SN] $[SurfaceLetter], $[SL] $[UnmappedColorsOnSurface] $[username] $[WebGrowthProfile]

10. JOB MANAGEMENT

Features and functions		
Brisque	**Evo**	**Prinergy Connect**
File-system based	File-system based	Managed by workflow. Files for job are automatically put into specific folders. Database manages history, relationship of various files, etc. This additional job context provides for sophisticated InSite connectivity (web submission, processing and review/approval of pages), Link connectivity (MIS reporting of prepress materials usage, etc.).

11. PROOFING (SOFTPROOF, VPS, IMPO PROOF, ETC.)

Features and functions		
Brisque	**Evo**	**Prinergy Connect**
Preview – View Page/Imposition	Similar effects can be accomplished with VPS for page and impositions. Eyedropper functionality is not in VPS, but is present in Acrobat	Same as Evo.
Preview – automatically open Preview when ready	not possible in Evo, but user can open file from workflow window.	Not possible with Prinergy Connect
Imposed output – press sheet edge: Brisque impose workflow improof application will print the press sheet size as a solid black line on the imposition proof.	Not possible currently. Workaround: If the customer does not like the trim bleed lines added by Prinergy they can be advised to use the line mark as a smart mark in Preps to trace the press sheet size as an SSi indexed color. This color can then be added to a Prinergy color library as a die line. This will allow the press sheet to be printed on the imposition proof.	Same as Evo
Film output - naming Brisque puts in file name and marks on separations.	Evo can put marks in the output that refer to page file names in imposition or loose output.	Prinergy has always been plate-centric, rather than film-centric. To accomplish this in Prinergy, you must set up a page-based marks PDF file in loose page output.
Tiled output – Brisque handles this well, apparently	This is accomplishable in Prinergy by outputting multiple times – each time output with an incremental offset equal to the width of the proofer. More details on this in the online help.	Same as Evo

12. DEVICE CONNECTIVITY (CTF, CTP, PROOFING)

Features and functions		
Brisque	**Evo**	**Prinergy Connect**
InkPro	InkPro generates PPF files, which PrintLink in Prinergy Connect/Evo can do. Prinergy's PrintLink has the ability to output PPF files (for automatic setting of ink keys on press consoles). This is generated automatically as part of the plate output process. You can also generate ink reports in Prinergy (not sure about Evo) However, InkPro can output a paper printout (for press consoles without a network connection), cutting data, and precise ink usage prediction. For sites requiring this functionality, you can continue using your existing InkPro with Prinergy. To use InkPro with Prinergy, create a RLE compressed TIFF (Not VPS),resolution 101.6 (4dpm) 150LPI (It will not work with 175LPI)	Prinergy Connect has the ability to generate an Ink Report. Everything else is the same as Evo.
Kodak Approval connectivity: moving spot recipes to the AIT software.	The Approval team has a tool for converting Brisque-based spot recipes to the AIT. Ken Lew?	
Dolev connectivity	More granular information is forthcoming from Yoav/IanW	Same as Evo.
Lotem Fiber Head connectivity	More granular information is forthcoming from Yoav/IanW. Special caveat re: Lotem FH and PPDs: If a site is keeping a brisque to drive the Lotem FH they will have to output 1-bit TIFFs from Prinergy to Brisque HotFolders. With a direct connect from Prinergy the plate sizes would show up in the Prinergy Process Template from CsXpose. Preps would use the PPD we export from CsXpose. With a Brisque workflow the plate sizes show up in the brisque and we use default PPDs. We cannot use these default Brisque PPDs in Preps with a Prinergy TIFF workflow since they are device specific not plate size	Same as Evo.

	specific. Custom page sizes in Preps are difficult to deal with beacuse of the sheet placement. Custom page sizes could potentially work but they are cumbersom and would need a little trial and error. We have used Print Console (which hopefuly the apps person has loaded on their laptop) to create plate sizes to mimic what is in the Lotem and export a PPD for Preps.	
Lotem Square Spot connectivity	More granular information is forthcoming from Yoav/IanW	Same as Evo.
Karat	About one or two years ago, KBA decided to build a 1-bit TIFF interface for the 74 Karat without our (Creo/Kodak) support and by that to eliminate the Brisque for customers that are working with 1-bit TIFF workflow. In general they are able to work with any workflow 1-bit TIFF supplier and without connecting a Brisque. So far most of the installed base machines are connected to Brisque workflow with CT/LW file format. Only few customers (relatively new installations) are working 1-bit TIFF.	Same as Evo

13. ARCHIVING

Features and functions		
Brisque	**Evo**	**Prinergy Connect**
Archiving: Brisque does not handle Archiving, only manual backup (Save Config, not automated). Only the servers do (Brisque Serve, Timna etc) via Legato. (see section 3). In pure Brisque configurations, there are customers running retrospect on OSX Server for Archiving purposes, but we do not offer a 3rd party solution - they are on their own.	Manual	Prinergy Connect supports Archiving of jobs to tape(s), purging data from disk, and retrieving of jobs from tape back to disk for future use.