

# **JDF Experience Workflow Demonstration Descriptions**

## **Workflow Demonstration Group #1**

### **EFI/Kodak**

EFI Prograph software will be used to plan and create and plan a job and export a populated layout to Kodak's Prinergy. Prinergy with Business Link will be shown adding to, and pre-lighting, content pages resulting in the output of proofs and plates.

## **Workflow Demonstration Group #2**

### **Olive/Metatechno/Kodak/Print On-Demand Solutions**

Olive's PrintSapiens MIS with Metatechno BackStreet create and plans a print job and sends a JDF job ticket to Kodak's Prinergy. A Prinergy job is automatically created and imposition data from PrintSapiens MIS is used to automatically create and import an imposition. Content pages are added in the Prinergy workflow (proofs are made etc.) and the operator makes a decision whether the job is going to be produced digital or offset. Depending on the operator's decision, we either make plates or create a JDF for Creo Print On Demand (PODS) in Prinergy and submit that alongside the content. Creo PODS receives the JDF and content data and prints the job. The PODS Creo ColorServer is a JMF/JDF Enabled DFE. The Creo ColorServer can read JMF command, Read JDF files containing print instructions and reports information about the JDF job progress either by answering JMF queries or by sending JMF signals. Once the Creo ColorServer finish to prints the JDF job, a JDF file containing audit data is sent back to the originator.

## **Workflow Demonstration Group #3**

### **Olive, Metatechno, Heidelberg**

Prinect Prepress Manager receives JDF from PrintSapiens MIS with BackStreet and then evaluates gray boxes for page proofing, imposition preparation, imposition proofing and final imaging. Prinect Prepress Manager then creates imposition information via JDF stripping parameters, assigns content files and marks to the sheets, automatically processes proofing and plate exposure, generates preview images and then submits job status information via JMF to the PrintSapiens MIS. PrintSapiens MIS then sends JDF to Prinect Pressroom Manager which evaluates gray box information for printing and communicates job status information via JMF back to PrintSapiens MIS.

## **Workflow Demonstration Group #4**

### **Olive, Metatechno, MAN Roland**

Olive's PrintSapiens(MIS) with Metatechno's BackStreet generates conventional printing JDF "gray box" data in the manner of suitable for Japanese printer environment and sends it to MAN Roland's press controller PressManager-Perfect. As PressManager-Perfect can accept multiple languages, it allows press operators to reference MIS instructions (e.g., print schedules, media information, press settings) in Japanese language on the shop floor. If a JDF capable prepress system is equipped, Olive's PrintSapiens sends the prepress data in JDF to it as well and later on the press controller can acquire the data for ink zone settings and viewable images from prepress automatically. Both systems are capable of exchanging JMF and PressManager-Perfect uses JMF to communicate JDF process audit information that the MIS uses to perform job tracking functions as well as to provide additional business management features such as generating job performance charts or calculating costs.

## **Workflow Demonstration Group #5**

### **Optimus/LithoTechnics/Kodak/MAN Roland**

Optimus MIS creates a complete JDF ticket with imposition preparation and also containing information for plate making and conventional printing. The MIS system prepares JDF stripping parameters to be consumed by Metrix, as well as JDF final imaging, conventional printing and finishing parameters to be consumed by MAN Roland. LithoTechnics' Metrix receives JDF data from Optimus and creates layouts and apply mark sets to the layout and then exports JDF to Kodak's Prinergy with Business Link. Prinergy receives the JDF job ticket containing a completed JDF layout resource, examines prepress gray boxes, imports applicable data, imports the layout and then returns job status and resource information to Optimus MIS. MAN Roland's PressManager perfect imports the JDF job ticket with all relevant data and makes ready the print runs. If included PressManager shows the imported ICS capable prepress data and a preview on screen.

## **Workflow Demonstration Group #6**

### **Optimus/Dalim Software/MAN Roland/ixact-Hohner**

Optimus MIS creates a complete JDF ticket with imposition preparation and also containing information for plate making and conventional printing. DALiM MiSTRAL will create a job sent by Optimus. Some pages from this job will be produced and a final imposition will be sent to CTP. Plate status will be sent back to MIS for any change. Finally, when imposition forms are sent to CTP, DALiM MiSTRAL will then provide JDF job information to the MAN Roland system, which consumes the JDF for press setup, while the ixFrame (ixact) connected to Hohner PLC consumes JDF directly from the Optimus MIS system for setup of finishing operations. The Hohner HSB 10.000 control desk will get the new job from the job queue inside ixFrame. Parameters of collecting, stitching, trimming and stacking are evaluated and the machine is ready to go. Some simulations will send status information to the MIS by JMF.

## **Workflow Demonstration Group #7**

### **ixact MIS/MAN Roland/ixact-Hohner**

ixact MIS (rsKalk) will create a brochure (cover with an inlet), calculate, scheduling, and provide JDF to MAN Roland's PressManager Perfect. PressManager Perfect imports the JDF job ticket with all relevant data and makes ready the print runs. In the real world, Status messages and audits are returned during processing and at the end of the job. In step two the ixFrame (ixact) connected to Hohner PLC consumes JDF directly from the MIS system (rsKalk) for setup of finishing operations. The Hohner HSB 10.000 control desk will get the new job from the job queue inside ixFrame. Parameters of collecting, stitching, trimming and stacking are evaluated and the machine is ready to go. Some simulations will send status information to the MIS by JMF.

## **Workflow Demonstration Group #8**

### **NovaVision/Heidelberg**

Novavison's PrintVis MIS creates a JDF 1.3 ticket, according to the MIS to Conventional Printing Sheetfed ICS and sends it to prepress. Prinect Prepress Manager receives JDF from PrintVis MIS and then evaluates gray boxes for page proofing, imposition preparation, imposition proofing and final imaging. Prinect Prepress Manager then creates imposition information via JDF stripping parameters, assigns content files and marks to the sheets, automatically processes proofing and plate exposure, generates preview images and then submits job status information via JMF to the PrintVis MIS. The PrintVis MIS then sends JDF to Prinect Pressroom Manager which evaluates gray box information for printing and communicates job status information via JMF back to PrintVis MIS.

## **Workflow Demonstration Group #9**

### **Metrics Sistemas/Heidelberg**

Metrics Sistemas' Metrics M3 MIS creates a JDF 1.3 ticket, according to the MIS to Prepress ICS and sends it to prepress. Prinect Prepress Manager receives JDF from Metrics M3 MIS and then evaluates gray boxes for page proofing, imposition preparation, imposition proofing and final imaging. Prinect Prepress Manager then creates imposition information via JDF stripping parameters, assigns content files and marks to the sheets, automatically processes proofing and plate exposure, generates preview images and then submits job status information via JMF to the Metrics M3 MIS.

## **Workflow Demonstration Group #10**

### **Metrics Sistemas/Dalim Software**

Metrics Sistemas' Metrics M3 MIS creates a JDF 1.3 ticket, according to the MIS to Prepress ICS and sends it to prepress. DALiM MiSTRAL will then create and produce the job transmitted by Metrics Sistemas and plate status will be optionally sent back to Metrics M3 MIS for any changes.

## **Workflow Demonstration Group #11**

### **Optimus/Heidelberg**

Optimus MIS creates a complete JDF ticket with imposition preparation and also containing information for plate making, conventional printing and finishing (folding and stichting). Optimus submits the JDF to Heidelberg Prinect. Prinect Prepress Manager receives JDF from Optimus MIS and then evaluates gray boxes for page proofing, imposition preparation, imposition proofing and final imaging. Prinect Prepress Manager then creates imposition information via JDF stripping parameters, assigns content files and marks to the sheets, automatically processes proofing and plate exposure, generates preview images and then submits job status information via JMF to the Optimus MIS. The Optimus MIS then sends JDF to Prinect Pressroom Manager which evaluates gray box information for printing and communicates job status information via JMF back to Optimus MIS. With the data received back from the Heidelberg systems, Optimus shows job tracking and job costing information based on the JMF signals and JDF Audits received. Optimus also consumes JMF messages for the plate availability and previews images, which are shown against the production job.

## **Workflow Demonstration Group #12**

### **Rogler/Kodak**

Rogler's technoLOGIC™ MIS system is used to create a job and the job is scheduled with Rogler's TechnoPLAN © software. Kodak's Prinergy with Business Link receives the JDF job ticket, examines and imports relevant data from prepress gray boxes, automatically imports imposition, adds content and sends status and resource feedback to technoLOGIC™ MIS.

## **Workflow Demonstration Group #13**

### **Gamsys/Dynagram/Global Graphics**

Gamsys' MIS creates a JDF ticket describing the job details and parameters about the product, with high-level stripping information to help for imposition preparation. Dynagram's DynaStrip software imports the JDF file received from the MIS, to automatically create the imposition layout. The layout is completed by application of mark sets, and any fine tuning done to reach best production results. The output is delivered to the Harlequin RIP as a JDF file, providing the imposition instructions, the flats containing the marks, and references to source documents. The Harlequin RIP

provides prepress processing of PDF files, and rendering of plate images, using the layout description and PDF files specified by incoming JDF files.

#### **Workflow Demonstration Group #14**

##### **NovaVision/Kodak/MAN Roland/ixact-Hohner**

NovaVision's PrintVis MIS creates an order, and upon release of the job to production, sends out a JDF 1.3 job ticket. Kodak's Prinergy with Business Link receives the JDF job ticket, examines and imports relevant data from prepress gray boxes, automatically imports imposition, adds content and sends status and resource feedback to NovaVision's PrintVIS MIS. PrintVis imports the feedback and displays the progress and resource usage on the order. MAN Roland's PressManager Perfect imports the JDF job ticket with all relevant data and makes ready the print runs. In the real world, Status messages and audits are returned during processing and at the end of the job. The ixFrame (ixact) connected to Hohner PLC consumes JDF directly from the NovaVision MIS system for setup of finishing operations. The Hohner HSB 10.000 control desk will get the new job from the job queue inside ixFrame. Parameters of collecting, stitching, trimming and stacking are evaluated and the machine is ready to go. Some simulations will send status information to the MIS by JMF.

#### **Workflow Demonstration Group #15**

##### **Rogler/Dalim Software**

Rogler's technoLOGIC™ MIS system is used to create a job and the job is scheduled with Rogler's TechnoPLAN © software. DALiM MiSTRAL will then create and produce the job transmitted by TechnoLOGIC™ MIS and plate status will be optionally sent back to technoLOGIC™ MIS for any changes.

#### **Workflow Demonstration Group #16**

##### **Gamsys/Kodak/Komori**

GamSys MIS creates a complete job and collects information to send a JDF ticket with impositions. The job is updated with JMF coming from prepress and GamSys scheduling submits the job to conventional printing and collects JMF from job update & job costing. Kodak's Prinergy with Business Link receives the JDF job ticket, examines and imports relevant data from prepress gray boxes, automatically imports imposition generated from stripping data, adds content and sends status and resource feedback to Gamsys MIS including previews. Komori's K-Station receives the JDF job ticket from the MIS and dispatches it to the right press via the KMS. The different KMS', installed on each Komori press, communicate with the K-Station and send back the information about the status, the speed and the current job which is printed. The K-Station is the gateway to the MIS. The MIS receives all the information concerning the presses from the K-Station.

#### **Workflow Demonstration Group #17**

##### **Metrics Sistemas /Kodak**

Metrics Sistemas' Metrics M3 MIS creates a JDF 1.3 ticket, according to the MIS to Prepress ICS and sends it to prepress. Kodak's Prinergy with Business Link receives the JDF job ticket, examines and imports relevant data from prepress gray boxes, automatically imports imposition generated from stripping data, adds content and sends status and resource feedback to Metrics M3 MIS including previews.

#### **Workflow Demonstration Group #18**

##### **LithoTechnics/Dalim Software**

LithoTechnics' Metrix planning and imposition system will import job data from a file, create layouts and apply mark sets. Unpopulated JDF is then exported to DALiM MiSTRAL. DALiM MiSTRAL will then merge completed pages with the layouts and produce output data. Asynchronously, single page elements will be corrected and approved within DALiM MiSTRAL web interface.

### **Workflow Demonstration Group #19**

#### **Intraprint/Dalim Software**

The Intraprint MIS will create JDF with stripping parameters and prepare JDF for prepress and press and will communicate to DALiM MiSTRAL via JMF. DALiM MiSTRAL will create a job transmitted by Intraprint and plate status will be optionally sent back to MIS for any changes.

### **Workflow Demonstration Group #20**

#### **Rogler/MAN Roland**

Rogler's TechnoLOGIC™ MIS system is used to create a job and the job is scheduled with Rogler's TechnoPLAN © software. MAN Roland's PressManager perfect imports the JDF job ticket with all relevant data and makes ready the print runs. If included PressManager shows the imported prepress data and a preview on screen.

### **Workflow Demonstration Group #21**

#### **EFI/Heidelberg**

EFI Hagen OA estimates and plans a job that includes stripping data and gray box info for prepress. Heidelberg's Prinect Prepress Manager receives JDF from EFI Hagen OA and then evaluates gray boxes for page proofing, imposition preparation, imposition proofing and final imaging. Prinect Prepress Manager then creates imposition information via JDF stripping parameters, assigns content files and marks to the sheets, automatically processes proofing and plate exposure, generates preview images and then submits job status information via JMF to the EFI Hagen OA. EFI Hagen OA then sends JDF to Prinect Pressroom Manager which evaluates gray box information for printing and communicates job status information via JMF back to EFI Hagen OA.

### **Workflow Demonstration Group #22**

#### **NovaVision/Dynagram/Global Graphics**

NovaVision's PrintVis MIS creates a JDF ticket describing the job details and parameters about the product, with high-level stripping information to help for imposition preparation. Dynagram's DynaStrip software imports the JDF file received from the MIS, to automatically create the imposition layout. The layout is completed by application of mark sets, and any fine tuning done to reach best production results. The output is delivered to the Harlequin RIP as a JDF file, providing the imposition instructions, the flats containing the marks, and references to source documents. The Harlequin RIP provides prepress processing of PDF files, and rendering of plate images, using the layout description and PDF files specified by incoming JDF files

### **Workflow Demonstration Group #23**

#### **Dynagram/Global Graphics**

Using Dynagram's inpO2 planning and optimization features, a complex imposition layout is prepared in a breeze and provided to the RIP, using JDF and MIME packaging to bundle the layout description with PDF marks, while leaving PDF source documents for any parallel processing. The Harlequin RIP provides prepress processing of PDF files, and rendering of plate images, using the layout description and PDF files specified by incoming JDF files.