

Prinergy 2.x Installation

Prinergy Direct Installation Test Procedure

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Revision History

Revision	Date	Author	Comments
0.1	18 November 2000	Ed Bradshaw	
0.2	7 February 2001	Hamid Kazmi	
0.3	23 February 2001	Marita Wallace	Amalgamated factory and onsite versions of Prinergy Direct installation test, using Simon Chen's format for the ITP document. Obtained sapphire number.
0.4	24 October 2001	M. Wallace, Michelle Baudais, H.Kazmi	Verified ITP procedure for a Direct system. Made changes, added part number.
1.0	26 October 2001	Simon Chen	Final revisions.
1.1	20 February 2002	Jill Thompson	Minor edits to sections 6, 7.1, 7.2, and 7.4.
1.2	29 June 2003	Brenda Power	Updated for Prinergy 2.2.

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1. WHAT IS AN INSTALLATION TEST?

The Installation Test Procedure (ITP) is a representative set of tests used to verify that Prinergy system components have been correctly installed and integrated according to specifications, and that the Prinergy system is ready for operation.

Creo representatives use an Installation Test Procedure (ITP) in the factory and at a customer's site as part of verifying that the installation and integration of a Prinergy pre-press workflow management system have been successful.

When used at a customer site (onsite), the Creo person doing the onsite integration and a customer representative sign any relevant tests during the procedure, then sign the final sheet.

2. WHAT IS THIS TEST FOR?

The ITP test is used to:

- Verify the Prinergy installation in the factory.
- Verify the final integration of Prinergy at the customer's site (onsite).

Note: The same test data will be used in each case.

At the factory:

At the factory, when the ITP is complete:

- The system is ready to ship.
- The Configuration Sheet can be generated.
- The warranty process can be initiated.

At the customer's site:

Onsite, when the ITP is successfully completed and signed off:

- Startup Assistance can begin – the system is ready to process customer jobs.
- The warranty period can begin.
- The customer can begin ramping up production, with the full support of the Creo Customer Service Department.

3. HOW IS THIS TEST SET UP?

This section summarizes the stages for setting up and running an ITP.

Stage	Actions
Pre-sales	1. The customer and Creo review and agree on the objectives and terms of the ITP. 2. The sales contract includes a copy of the agreed-on ITP.
Pre-site visit	3. The customer and Creo review the prerequisites for the test. 4. The customer identifies a representative who will sign off the ITP and Creo reviews the ITP with that individual. 5. The customer determines the test data to be used for ITP. If customer data is to be used, it must be specified at this point so that the factory can use the data for the factory ITP.
Installation	6. The factory installation team stages, integrates, and tests the system in the factory. Upon successful completion, the ITP document is ready to ship to the customer site by Workflow Production. 7. At the customer site, Creo installs, configures, and pre-tests the system according to system specifications. 8. Creo runs the ITP, with the customer witnessing and signing each agreed-on test as it is successfully completed. 9. Once all agreed-on tests are signed off, Creo and the customer sign the last ITP signoff sheet.
Following ITP signoff	10. Startup Assistance begins; the system is ready to process customer jobs. 11. The warranty period begins. 12. The customer begins ramping up production.

4. BEFORE RUNNING THE TEST

4.1 Customer's responsibilities (onsite only)

- The customer must have a sufficient supply of media.
- The customer must have installed and tested media processor(s).
- The customer should make the media vendor aware of the full range of environmental conditions that can normally be expected in the installation site. Creo is not responsible for environmental limitations of the media and processors, or for their proper functioning and installation.

4.2 Creo's responsibilities

- Creo has installed and configured the Prinergy Direct system on the hardware platform and has integrated and tested output devices.
- Creo has installed the Creo output device(s) and the ITP for the device is signed off.

4.3 System prerequisites

At the factory:

- The Prinergy system is installed and configured on the hardware platform and the simulator is integrated and tested. Plate and film output devices are simulated.

At the customer's site:

- Printers used for hardcopy proofing are installed and configured in Windows 2000 (W2K) and in Prinergy process plans.
- Plate and film output devices are installed and configured, and network connectivity is established.
- Process plans are created for Prinergy Direct configuration and workflow, if required. Default process plans for Prinergy Direct are available from the Prinergy ITP CD and in the TechPlanet.

5. SETTING THE SCOPE OF THE TEST

5.1 Components tested

The ITP is an end-to-end system test that exercises many features of Prinergy 2.0. The following is a description of the features that will be tested. The descriptions assume you have the full set of Prinergy Direct features. If you do not have all of these components installed, some tests will not need to be run.

- Job Creation
- Hot Folder Setup
- Refining
- Proofing Output
- Plate and Film Output
- Job Import

5.2 Test files

The customer has the choice of using standard ITP input files or customer files for testing the Prinergy components installed.

Standard ITP files

Creo uses files for the Creo newsletter, Kaleidoscope, as the standard test files for ITP:

- The files were created using Quark 4.04.
- Images were created using Photoshop 5.0 and Illustrator 8.0.

- The files include two spot colors: PANTONE 122 CV and PANTONE Purple CV.
- PostScript was generated using LaserWriter 8.7 with the Prinergy PrintXT extension and Prinergy Refiner PPD.

There are two sets of files:

Standard ITP file	Description
Kaleid_CompFat.ps	Composite FAT Postscript from Quark
Kaleid_CompThin.0010A11.m00 Kaleid_CompThin.0010B11.m00	Preps generated composite thin Postscript files
DictionaryTest.zip	Versioning job exported from Prinergy

Customer files

The customer and Creo may agree to use a pre-determined set of customer files that have been used for benchmarks. If the customer wants to use their own files for ITP, those files should also be used for the factory installation test.

5.3 Outputs

The following outputs are generated from the Direct ITP:

- Hardcopy imposed proofs to each of the proofing devices that will be integrated with Prinergy Direct.
- Plates to each output device that will be integrated with Prinergy Direct.

Note: The factory ITP employs a simulator and generates no physical output.

5.4 Test duration

Typically, the end-to-end test using the reference job takes two (2) to three (3) hours to perform, including time to explain tests, examine outputs, and sign off tests.

6. PRE-ITP CONFIGURATION

The Factory will set up the ITP files on the Direct system and perform the ITP tests. Onsite, the Creo service representative need only verify that the files are in the appropriate location and folders before running the ITP tests.

To set up the Direct ITP files on the system:

1. Rename the existing Connect Process Plan and Workflow Plan folders in %AraxiHome%\CreoAraxi\Data:

   - from ProcessPlans to ProcessPlans_Connect
   - from WorkflowPlans to WorkflowPlans_Connect.

   This is to keep the Connect process plans available in a separate folder, pending any future system expansion.

2. Insert the Prinergy ITP CD. From the Direct/PPlans folder on the CD, copy the folders ProcessPlans and WorkflowPlans. Paste each folder into %AraxiHome%\CreoAraxi\Data\ . These folders contain the Direct process plans and workflow plans.

3. Create a backup copy of the ProcessPlans and WorkflowPlans folders in %AraxiHome%\CreoAraxi\Data. Suggested folder names are:

   - CopyofProcessPlans
   - CopyofWorkflowPlans

4. In Prinergy Administrator, delete and recreate the ColorMatch and ImportExport pools with the following names:

   - ColorMatch to ColorMatchPool
   - ImportExport to ImportExportPool

5. In Prinergy Administrator, delete and recreate the ColorMatch and ImportExport JTPs with the following names:

   - ColorMatchonYCSxxx to ColorMatch
   - ImportonYCSxxx to ImportExport

   Where YCSxxx is the server name.

6. In Prinergy Administrator, assign the ColorMatch JTP to the ColorMatchPool and the ImportExport JTP to the ImportExportPool.

   To assign a JTP to a pool, right-click the name of the pool and select **Properties**, then click the checkbox next to the JTP you want to assign to that pool.

Factory setup checklist:

- Connect ProcessPlans and WorkflowPlans folders renamed.
- Direct ProcessPlans and WorkflowPlans copied to %AraxiHome%\CreoAraxi\Data\.
- Backup copies of ProcessPlans and WorkflowPlans created.
- ColorMatch and ImportExport pools and JTPs copied and renamed.
- ColorMatch and ImportExport JTPs assigned to corresponding ColorMatch and ImportExport pools.

Onsite checklist:

%AraxiHome%\CreoAraxi\Data contains:

- Process Plans_Connect and Workflow Plans_Connect folders.
- ProcessPlans and WorkFlowPlans folders for Direct.
- Copies of the ProcessPlans and WorkFlowPlans folders.

In Prinergy Administrator, the following are present:

- ColorMatchPool and ImportExportPool.
- ColorMatch and ImportExport JTPs.

7. PERFORMING THE INSTALLATION TEST PROCEDURES

7.1 Job preparation and refining

Start time: _____

Goal: To demonstrate adding and refining a PostScript file as a flat using hot folders, and exercising OPI.

Step	Result/Comment	Check
1. Using Job Finder, create a job named **DirectTest**.	Opens Job Manager and creates job folders in the selected job volume.	Using Windows Explorer, check that the job was created successfully.
2. From the ITP CD, copy the contents of the **Direct/ITP Test Files** folder to the job's sub-folder **UserDefinedFolders**.	The folder structure should be maintained and the following folders should be created: Images, PostScript, Job Exports, and Supplement.	
1. Open the job, go to **Edit** → **Image Search Path** and add the path **DirectTest\UserDefinedFolders\Images**. Click **OK**.	Required for OPI.	
2. Add a hot folder to the job: From the **Edit** menu, select **Manage Hot Folders**. Click **Add**.		
3. Associate the **Direct Refine-OPI-Spot** process plan to the hot folder: Select **Add and Process Files,** then browse to \ProcessPlans\Refine\Direct and select **Refine-OPI-Spot**. Click **OK**, then close.	A folder should be created in the Jobs\Hot Folders directory.	
4. Add and refine the test files: Copy the files **Kaleid_CompThin.0010A 11.m00 Kaleid_CompThin.0010B 11.m00** to the Refine-OPI-Spot hot folder.	The process plan has **Treat Input Files as Flats** enabled, so, after refining, two impositions are created.	In the **Separations** view, verify that five separations and one spot color (Pantone 122 CV) are present in the Kaleid A signature, and that four separations and two spot colors are present in the Kaleid B signature.

Job creation and refining checklist:

- ☐ Job created successfully.
- ☐ File normalized successfully.
- ☐ Spot colors and separations identified successfully.

End time: _____

Successfully demonstrated (signed by): _____

7.2 Proof output

Start time: _____

Goals: To demonstrate imposed proof output to each device that is integrated with Prinergy.

Step	Result/Comment	Check
1. Make an imposed VPS proof: In the **Separations** view, select all signatures and make a VPS proof using the Direct-VPS process plan.	A new process is created in the active process pane. After the process is complete, you should see a new process column with a gray dot indicating the process completed without errors.	Open files in VPS to verify: imposition, bleeds, and marks.
2. Output a Spectrum proof: Select all signatures and make TIFF files for Spectrum using the Direct-MP-4up-TiffCC process plan.	This will create eight TIFF files in the %job%\TIFF folder. These files can be submitted to the simulator if in the factory, or to an available proofsetter if onsite.	Verify by checking the content of the proof.

Job management checklist:

- ☐ Imposed proof generated successfully.
- ☐ VPS files created successfully.
- ☐ Spectrum proof created successfully.

End time: _____

Successfully demonstrated (signed by): _____

7.3 Plate output

Start time: _____

Goal: To demonstrate output to each plating device that is integrated with Prinergy.

Step	Result/Comment	Check
To make a plate: In the **Separations** view, select the separations to output. From the **Output** menu in the **Final Output** section, select the process plan for the targeted device.	Creates a process in the Active Process pane. The device prompts you to load a plate and begins imaging. After the process is complete, you should see a new process column with a gray dot, indicating that the process completed without errors.	Verify the plate or film output.

Plate output checklist:

- ☐ Output to each integrated device completed successfully.

End time: _____

Successfully demonstrated (signed by): _____

7.4 Import job

Start time: _____

Goals: To demonstrate importing a job, previously exported by Prinergy, using hot folders in a Prinergy Pre-Job.

Step	Result/Comments	Check
1. Create a PreJob: In the **Job Finder**, select the **Pre Job** view and create a pre-job named DirectImportTest.	Opens **Job Manager** and creates job folders in the selected job volume.	
2. Add a hot folder to the job: From the **Edit** menu select **Manage Hot Folders**. Click **Add**.		

3. Associate the **ImportRefineandImpositionProofOutput** workflow plan to the hot folder: Select **Add and Process Files**, then browse to WorkflowPlans\Import, Refine and Imposition Output\Direct and select **WF-Import-VPS**. Click **OK**, then close.	A folder should be created in the Job's Hot Folders directory.	Using Windows Explorer, check that the hot folder was created in the DirectImportTest job. Verify that the hot folder name is the same as the workflow plan name.
4. Import the job using the hot folder: Copy the file **Direct_ITP_Test\UserDefinedFolder\Job Exports\DictionaryTest.zip** into the hot folder **Direct_Import_Test\HotFolders\WF-Import_VPS**.	The file is picked up and moved to the process folder. It automatically creates a new job with the same name as the zip file and populates it with the import data.	From **Job Finder** in the **Job** view, refresh Workshop by typing `CRTL-R`. The new job should be displayed. Open the new job and confirm the contents. In the **Separations** view, verify that there are three signatures with six separations for each signature. Check that a VPS file has been created for each separation in J:Job\Direct\VPS. There should be 18 files.
5. Identify common separations: In the **Separations** view, from the **Edit** menu, select **Identify Common Separations**.	Common separations should be grayed out.	To verify versioning, enable Common Separations in the visible column settings and check that the separations are correctly identified as unique and common.

Plate output checklist:

- ☐ Job imported successfully.

End time: _____

Successfully demonstrated (signed by): _____