

Prinergy Connect 2.x Installation Test

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Revision History

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3.0	02-03-27	Simon Chen	Updated document to use new data from Creo Annual Report
3.1	02-07-19	Simon Chen	Revised with feedback from reviewers; updated to apply to both Prinergy Connect 2.0 and 2.1.

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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 specification, and that the Prinergy system is ready for operation.

Creo representatives use an 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.

Note: Check the Creo intranet for an updated copy of this document.

2. WHAT IS THIS TEST FOR?

The ITP 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	The customer and Creo review and agree on the objectives and terms of the ITP. The sales contract includes a copy of the agreed-on ITP.
Pre-site visit	The customer and Creo reviews the prerequisites for the test. The customer identifies a representative who will sign off the ITP and Creo reviews the ITP with that individual. 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	The factory installation team stages, integrates, and tests the system in the factory. At the customer site, Creo installs, configures, and pre-tests the system according to system specifications. Creo runs the ITP, with the customer witnessing and signing each agreed-on test as it is successfully completed. Once all agreed-on tests are signed off, Creo and the customer sign the last ITP signoff sheet.
Following ITP signoff	Startup Assistance begins; the system is ready to process customer jobs. The warranty period begins. 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 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

- 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, configured, and network connectivity established.
- Process plans are created or modified for the customer's configuration and workflow:

Component	Process Plan
Normalizing input files	[1stRef_NormzOPI Trap]
Loose page proofs to proofing device(s)	[HP5Si.1up.Comp, or Xerox.1up.Comp]
Imposed page proofs to proofing device(s)	[HP2500.Imposed, HP1050.Imposed, HP5Si.Mockup.11x17, or Xerox.Mockup.11x17]
Loose page proofs to VPS	[VPS.LoosePage]
Imposed page proofs to VPS	[VPSImposed.300]
Output to final output device(s)	[TBD]
Archive	[ArchiveJobFolder, PurgeJobFolder, RetrieveAllFiles]
Export and Import	[ExportAll, ImportAll]

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 features. If you do not have all of these components installed, some tests will not need to be run.

- Job creation and refining
- Color mapping and page assignment
- Proofing output
- Plate and film output
- Archiving
- Job export and import
- System backup and recovery
- Remote access

5.2 Test files

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

Standard ITP files

Creo uses the Creo 2001 annual report (CREO_Annual_Report_Thin.ps) as the standard test files for the ITP:

- Files created using Quark 4.11
- PostScript generated using LaserWriter 8.7 with the Creo Color TIFF XT extension and Prinergy Refiner PPD
- Composite thin PostScript with fonts
- Supporting images required
- Imposition plans created using Preps 4.06

Customer files

For the ITP, the customer and Creo may agree to use a pre-determined set of customer files that have been used for benchmarks.

Note: If the customer wants to use their own files for the onsite integration test, those files should also be used for the factory installation test.

5.3 Output

The following outputs are generated from the ITP:

- Hardcopy loose page proofs
- Hardcopy imposed proofs to each of the proofing devices that will be integrated with Prinergy
- Plates to each output device that will integrated with Prinergy
- Archive tape containing reference job

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

5.4 Test duration

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

6. RUNNING THE TEST PROCEDURES

6.1 Job creation and refining

Start time: _____

Goal: To demonstrate Prinergy Workshop connectivity, file access, file normalization, Open Pre-press Interface (OPI), and trapping.

Step	Result/Comment	Check
1. Using Job Finder, create a job named **ITP**.	Opens Job Manager and creates job folders in the selected job volume.	Using Windows Explorer, verify the job was created successfully.
2. From the ITP CD, copy the contents of the **Connect** folder to the job's sub-folder called **UserDefinedFolders**.	The folder structure should be maintained, and the following folders should be created: **Images**, **Fonts**, **PostScript**, **Source**, **Preps**, and **ImpositionPlans**.	
3. Add the image search path **ITP\UserDefinedFolders\Images**.	Required for OPI.	Verify by checking the content after the refine step.
4. Add and refine the file **ITP\UserDefinedFolders\PostScript\Creo_Annual_Report_Thin.ps** using the 1st-Ref-NormzOPI Trap Process Plan.	Creates 16 PDF files, some with low-resolution image warnings. You can safely ignore these warnings because the threshold is set to 300 dpi and the images are 299 dpi. There may also be a 709.9 dpi warning, which is associated with a 1-bit image. This warning can safely be ignored as well.	Double-click a page to open it in Adobe Acrobat. Check for images and fonts. Click the **Prinergy Geometry Editor Tool**. Check that the trim box matches the crop marks on the page. The blue trim lines should line up with the black crop marks. Click the **Prinergy Trap Viewer\Editor**. In the **Highlight** section, enable **All Traps**. The traps will be displayed in the selected color.
5. Select the **Pages** frame and modify **Visible Columns** to only display **Page Position** and **Page Colors**.	Shows the color in each file, and the page position. Note: The page position will be blank until pages are assigned to the Page Set.	Verify by checking the content using Adobe Acrobat. Not all pages will have all CMYK separations; some pages will only indicate K plus spot colors.
6. Resolve spot color naming conflict. Re-refine page 2 with the same 1st-Ref-NormzOPI Trap process plan but, in the **ColorConvert** section, turn on **Auto Resolve Spot Color Naming Conflicts**.	The Creo logo was created in Illustrator and was filled with Pantone Process Cyan CVC. The second refine automatically resolves the CVC and CV conflicts.	In the **Pages** view, page 2 should now only display **K** and **Pantone Process Cyan CV**.

Job creation and refining checklist:

Job created successfully.

File normalized successfully.

Page geometry detected successfully.

Images embedded successfully (OPI).

Trapping was performed successfully.

End time: _____

Successfully demonstrated (signed by): _____

6.2 Imposition plan and page assignment

Start time: _____

Goal: To demonstrate trapping, spot color mapping, and page assignment.

Step	Result/Comment	Check
1. Import the imposition plan **ITP\UserdefinedFolders\ImpositionPlan\Annual_Report.pjtf** and use the defaults to create a new Page Set.	Imports the .PJTP file and automatically normalizes the PostScript marks into PDF mark. A new page set is created using the JT name **Annual_Report**.	Switch to the **Signature** view and verify that the imposition was created.
2. Assign pages: Select all 16 pages and assign them to the Page Set.	Once the pages are assigned to the page position, the **Page Position** column displays the **pageset prefix** and **page number**.	Switch to the **Separations** view and expand **Signature 1**. Both front and back should have **CMYK plus Pantone 432 CV** and **Pantone Process Cyan CV**.

Imposition Plan and Page Assignment checklist:

Imposition plan imported successfully.

Pages were assigned successfully.

End time: _____

Successfully demonstrated (signed by): _____

6.3 Proof output

Start time: _____

Goal: To demonstrate loose page and imposed proof output to each device that is integrated with Prinergy.

Step	Result/Comment	Check
1. Make loose page proofs: From the **Pages** view, select the assigned pages and make a loose page proof using a process plan for the proofing device. If a device is not available, use the VPS.LoosePage process plan.	A new process is created in the active process pane. After the process is complete, check the **List** view; you should see a new process column with a gray dot indicating the process completed without errors.	Verify the printed output. If using VPS, open the files and check the content.
2. Make an imposed proof: In the **Separations** view, select **Signature 1** and make an imposed proof using a process plan for a wide format proofer. If a device is not available, use the VPSImposed.300 process plan.	A new process is created in the active process pane. After the process is complete, check the **Separations** view; you should see a new process column with a gray dot, indicating that the process completed without errors.	Verify the printed output. If using VPS, open the files and check the contents. If the color mix for Pantone 432 CV is not already entered for VPS, it is 23C 2M 77K. VPS.

Loose page and imposed proof output checklist:

Output loose page proof successfully to each device.

Output imposed proof successfully to each device.

End time: _____

Successfully demonstrated (signed by): _____

6.4 Plate output

Start time: _____

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

Step	Result/Comment	Check
1. Make a plate: In the **Separations** view, select **Signature 1** and make a final output using a process plan for the targeted device.	A new process is created in the active process pane. The device prompts you to load a plate and begins imaging. After the process is complete, check the **Separations** view; you should see a new process column with a gray dot, indicating that the process completed without errors.	Verify the plate output.

Plate output checklist:

Output successfully to each plating device.

End time: _____

Successfully demonstrated (signed by): _____

6.5 Job export and import

Start time: _____

Goal: To demonstrate job export and import.

Step	Result/Comments	Check
1. Export the job: Open the ITP job. From **Job Manager**, select **File > Export Job**, then select the **ExportAll** process plan and click **OK**.	A new process is created in the active process pane.	Verify that there are no errors in the process. Using Windows Explorer, check for the ZIP file in the output destination.
2. Import the job: From **Job Finder**, select **File > Import Job**. Browse to and select the **ITP.zip** file and click **OK**. In **Create a New Job as**, type `ITP Import` and click **Create**. Select the **ImportAll** process plan and click **OK**.	When you select the ITP ZIP file, the job name is displayed in the **Selected Job Info** frame. Creates the ITP Import job and populates it with the job data. **Note:** Contents of the **UserDefinedFolders** is not included in the job export.	Double-click a page and ensure that you can open it with Adobe Acrobat. The pages should be assigned to their page position in the Page Set.

Job export and import checklist:

Job exported successfully.

Job imported successfully.

End time: _____

Successfully demonstrated (signed by): _____

6.6 Archive, purge, and retrieve

Start time: _____

Goal: To demonstrate job archive, purge, and retrieve.

Step	Result/Comment	Check
1. Archive the job: From the **Storage** view, archive the job using the **ArchiveAll** process plan.	Once the process has finished, check the **Storage** view: all files should be listed in the **Online and Currently Archived** group. Miscellaneous files will also be registered and listed. **Note:** The **Storage** view does not show imposition marks. Although the files are archived, there will be eight (8) fewer files listed. This is normal.	Verify the archive by retrieving the job in step 3.
2. Purge the entire job using the PurgeJobFolder process plan.	Once the process has finished, check the **Storage** view: all files should be listed in the **Offline** group.	Using Windows Explorer, check that the job folder has been deleted.
3. Retrieve the entire job using the RetrieveAllFiles process plan.	Once the process has finished, check the **Storage** view: all files should be listed in the **Online and Currently Archived** group.	Using Windows Explorer, check that the job folder has been restored.

Archive, Purge, and Retrieve checklist:

Job archived successfully.

Job purged successfully.

Job retrieved successfully.

End time: _____

Successfully demonstrated (signed by): _____

6.7 System backup and restore

Start time: _____

Goal: To demonstrate system backup and restore.

Step	Result/Comment	Check
1. Start System Backup: Ensure you are not in Maintenance Mode. At the command prompt, type `Oraclebackupmanager` to open Oracle Backup Manager. At the Araxi_OracleMgr prompt, type `Backup Database`.	Oracle backs up the database to disk. If the Prinergy Backup option is installed, NT Backup will run in the background without a UI, and backs up the system to tape. This step may take a while. In Prinergy Administrator, the backup status will read `Backup in Progress…` When NT backup is complete, the status will read `Last Successful Backup` and `<date>`.	Open Prinergy Administrator and verify the backup status. After backup has completed, confirm that the **Save Set** has been saved to **E:\Oraclebackup**. This location may be different if it has been customized. Check the location in Oracle Backup Manager.
2. Using NT backup, catalog the backup tape and restore a test file.		You should be able to catalog the tape and restore a test file.

System backup and restore checklist:

Database backed up to disk successfully.

The following are relevant only if the customer has purchased the Prinergy Backup Option:

System and database backed up to tape successfully.

Backup tape can be read successfully.

End time: _____

Successfully demonstrated (signed by): _____

6.8 Remote access

Start time: _____

Goal: To demonstrate remote access by modem.

Step	Result/Comment	Check
1. Using your laptop, dial the modem's telephone number. If a second phone line is not available, request a Remote Access check from the Response Center.	The modem answers and establishes TCP/IP connection.	Ping the server: From a command prompt, type `ping` and the IP address of the server.

2. Map a drive using an administrator account:
At the command prompt type
`Net use * \\<servername> \<sharename> /u:<useraccount> password`
	The system responds with:
	`Drive X: is now connected to \\<servername>\<sharename>.`
	`The command completed successfully.`
		From the command prompt, change to the mapped drive and list the directory.

3. Start the pcAnywhere host on the Prinergy Server.
At the command prompt, type
`net start awhost32.`
	The system responds with:
	`The pcAnywhere Host Service service is starting.`
	`The pcAnywhere Host Service service was started successfully.`
	A new icon is added to the system tray.
		Using the pcAnywhere client version, connect to the Prinergy system.

Remote Access checklist:

Connection established successfully.

pcAnywhere connected successfully.

End time: _____

Successfully demonstrated (signed by): _____

7. COMPLETING THE INSTALLATION TEST

The Installation Test has been successfully completed.

Approved by Creo representative:

Name: _____

Signature: _____

Date: _____

Approved by Customer representative:

Name: _____

Signature: _____

Date: _____