PCLTool SDK V9.03 / PCLWorks V9.03   5/6/10
RELEASE NOTES

This release note covers all the enhancements (in **bold**), modifications and bug fixes to PCLTool SDK (SDK-specific items are in *purple italics*) and PCLWorks <u>since V8.7</u> *(Please refer to PTRELN87.PDF for the final V8.795 release notes).*

In order to satisfy our client's needs to develop solutions for Windows 7, 64-bit and .Net environments, we first had to first merge our 32-bit, 32-bit .NET and limited 64-bit source bases in one source base. We did this in order to streamline our development of the new 32-bit, 32-bit .NET, 64-bit and 64-bit .NET versions. But, also to make it easier for us to add future modifications, updates and enhancements for all versions.

We migrated the last few programs (PCLTool.exe, PCLView.exe, etc.) that were written in Borland to Microsoft Visual Studio in order to avoid the D.E.P. errors in Vista and Windows 7. This will also make it easier to provide our OEM's with the source code to these programs (upon request).

We also merged many standalone .dlls like (Imgman30.dll, XLDLL.dll, SFP2FF132.dll, et al.) into our main convert program (PTC*.dll).

Here is a list of the major improvements contained in V9.0:

Built with VS2008 32-bit in .\PCLTSDK_900 folder:

mfc90.dll	- MSVC 32-bit re-distributable file
msvcm90.dll	- MSVC 32-bit re-distributable file
msvcp90.dll	- MSVC 32-bit re-distributable file
msvcr90.dll	- MSVC 32-bit re-distributable file
Filter.exe	
Filtr.dll & .lib	
ImgCvt.dll	
ImgCvt.exe	
PCLReader.exe	***No longer creating D.E.P error in Vista/WIN7 due to compiled by Borland***
PCLTool.exe	***No longer creating D.E.P error in Vista/WIN7 due to compiled by Borland***
PCLView.exe	***No longer creating D.E.P error in Vista/WIN7 due to compiled by Borland***
PCLWorks.exe	***No longer creating D.E.P error in Vista/WIN7 due to compiled by Borland***
PCLXForm.exe	
PDFWrite.dll & .lib	
PTC32.dll	
PTV32.dll	
TnxDmp.dll	
XPSWrite.dll	

<u>Built with VS2008 32-bit .NET in .\NET subfolder:</u>

FilterNet.exe	
FiltrNet.dll	
ImgCvtNet.dll	
PCLToolNet.exe	*New program*
PCLXFormNet.exe	
PTCNET.dll	
PTVNet.dll	
TnxDmpNet.dll	
XPSWriteNet.dll	*New program*

<u>Programs Added   64-bit in .\PTC64 subfolder:</u>

Filter64.exe	
Filtr64.dll & .lib	
ImgCvt64.dll	
ImgCvt64.exe	
mfc90.dll	*- MSVC 64-bit re-distributable file*
msvcm90.dll	*- MSVC 64-bit re-distributable file*
msvcp90.dll	*- MSVC 64-bit re-distributable file*
msvcr90.dll	*- MSVC 64-bit re-distributable file*
PCLTool64.exe	
PCLXform64.exe	
PDFWrite64.dll & .lib	
PTC64.dll	

PTV64.dll
README_64.txt
TnxDmp64.dll
XPSWrite64.dll

Programs Added   64-bit in .\PMon subfolder:
.\PMon\PMSetup64.exe
.\PMon\PMRemove64.exe
.\PMon\PMon64.dll
.\PMon\PtRCodes64.dll

Programs Added   64-bit .NET in .\Net64 folder:
FilterNet64.exe
FiltrNet64.dll

ImgCvtNet64.dll
PCLToolNet64.exe
PCLXformNet64.exe
PTCNet64.dll
PTVNet64.dll
README_net64.txt
TnxDmpNet64.dll
XPSWriteNet64.dll

Programs Merged into main PTC*.dll programs for 32-bit, 32-bit .NET, 64-bit and 64-bit .NET:

ALLCG.FS1	Moved code into main convert PTC32/PTC64/PTCNET/PTC64NET*.dll
FF1Codes.dat	Moved code into main convert PTC32/PTC64/PTCNET/PTC64NET*.dll
IM30BMP.DIL	Moved code into main convert PTC32/PTC64/PTCNET/PTC64NET*.dll
IM30PCX.DIL	Moved code into main convert PTC32/PTC64/PTCNET/PTC64NET*.dll
IM30TIF.DIL	Moved code into main convert PTC32/PTC64/PTCNET/PTC64NET*.dll
IMGMAN30.dll	Moved code into main convert PTC32/PTC64/PTCNET/PTC64NET*.dll
SFPFF132*.dll	Moved code into main convert PTC32/PTC64/PTCNET/PTC64NET*.dll
SFSFF132*.dll	Moved code into main convert PTC32/PTC64/PTCNET/PTC64NET*.dll
SFT2TTBM.dll	Moved code into main convert PTC32/PTC64/PTCNET/PTC64NET*.dll
SFTFF132*.dll	Moved code into main convert PTC32/PTC64/PTCNET/PTC64NET*.dll
XLDLL.dll	Moved code into main convert PTC32/PTC64/PTCNET/PTC64NET*.dll

Programs Removed from all products:

BWCC32.dll	New MSVC GUI .exe does not need this Borland GUI .dll.

Features and Preference Removals:

APP.ini	Removed UseNet preference. Programs should determine which variation of DLL's to call.
PTCNet.ini	Removed this .ini. If PTCNET.DLL can't find PTC32.ini it will still use PTCNet.ini.
PTCNet.map	All versions of PTC*.dll will create PTC32.map files.

Feature Changes in all versions of PCLTool.exe, PCLView.exe, PCLWorks.exe and PCLReader.exe:

Changed:	Search - Find Text dialog
Replaced:	Use TNX indexes with JIT Indexing
Removed:	Use, .TNX & .HIX
Removed:	Index by Location feature.
Added:	Rebuild Indexes
Added:	Warning when trying to search a file (PXL) that can't be JIT indexed.
Search Stops:	When it finds the first file that needs JIT indexing to be turned-on.

PCL2TransPromo

Due to demand from several industry leading service bureaus, PageTech has become the leader in the disassembly of high volume PCL print streams of bank statements with cancelled check images. Service bureaus and mailing houses take the text and raster objects files that we provide and input them into any third party output management system in order to re-engineer them into TransPromo documents with color, logos, OMR marks, Intelligent barcodes, etc.

ENHANCEMENTS:

Auto-Indexing	**Added auto-indexing to spool files passing through the Port Monitor.**	
Img2PCL.exe	**Added support for shrink-2-fit, rotations and x,y positioning**	
Img2PDF/XPS.exe	**Added support for shrink-2-fit, rotations and x,y positioning**	
ImgCvt.dll	**Added support for shrink-2-fit, rotations and x,y positioning**	
OMR/Barcodes	*Added functions to insert OMR marks or any kind of barcodes into PCL.*	
PCL3GUI	**Added support for output from medical, mobile and laboratory devices.**	
PCLXForm .tpt	*New Function: Array_Op*	
PCLXForm.exe	*PJL Streamediting to change folding and stapling options*	*Primoris*
PJL Comments	**Added ability to extract index text from PJL comments inserted by PMon1.**	

PTC32.dll	*Added PJL Streamediting to change folding and stapling options*	*Primoris*
PTC32.dll	Added support for rendering RAW EMF image files	Syntel
PTV32.dll	Added support for rendering RAW EMF image files	Syntel
PTC32.map	Added support for mapping TrueType fonts to EMF output	Syntel
PXL Text Extract	Improved our exclusive ability to extract text from PCL6	
Raw EMF View	Import Raw EMF files for viewing.	Syntel
TTWL.sym	Added support for Windows 98 Latin-6 (Baltic) symbol set	Tomala

NEW PROGRAMS ADDED TO SDK

HotDirZ.exe	*Added a new .exe to watch multiple folders, initiate a process for each folder or for folder groups.*	*PlainAns*
SSpool.exe/.ini	*Serial input spooler and redirector programs used when capturing PCL from Parallel to Serial(USB)*	

MISCELLANEOUS UTILITY PROGRAMS ADDED IN .|UTILS FOLDER FOR EVALUATION

DownFile.exe	Downloads PCL, Macro and Font files to printers, ports or to file.	
EnumPorts.exe	Enumerates the available Ports.	
FontTool.exe	Downloads fonts and tests resident printer fonts and symbol sets	
PCLNUP.exe	Scales and merges multiple PCL pages into PCL pages with multiple pages on them.	
SetTrays.exe	*Searches/replaces paper tray selection from legacy PCL to print on newer printer with different tray assignments*	
TIFF2PS.exe	*Converts TIFF images into a PostScript print stream.*	
TIFFComp.exe	Convert beforePCL and afterPCL with -7 -s Test suite	

NEW PROGRAMS NOT INCLUDED IN THE SDK BUT AVAILABLE ON AN "AS NEEDED" BASIS

IMSSort.exe	*Created a custom document sort program for PCL print steams*	*IMS*
PDF2PCL.exe	*Batch PDF file printing program used to print to PCL/capture/streamedit/convert back to PDF*	*BigEye*
	(requires Acrobat Reader or Acrobat to be installed)	
PTEvents.dll	*Windows Events Log tracking program*	
PTEventsInst.exe	*Starts PTEvents.dll*	
RAW2PCL.exe	*Converts RAW EMF spool files into PCL*	*ABSData*

MODIFICATIONS:

.TPT Script	*Modifications for:*	*Primoris*
APP.INI	*Added FastPrintDirect to [PCLPTR] section. Causes use of a different EscapePassThrough method.*	
APP.INI	*LogNet preference added to log the choices for DLL's to the NetMapped .log for debugging*	
APP.INI	WarnAssumedPCL preference added to assume any input file contains PCL regardless of extension.	
FastPrint.exe	FastPrintDirect=1 causes FastPrint to use an alternate EscapePassThrough method for abnormal PCL.	NC-Sys
FF1Viewer	Fixed GPF problem introduced in V8.71	
Filter.exe/dll	Fixed to handle files over 4Gb in size	OSGBilling
FILTER/FILTR.dll	*RGB color values need for file pattern passed via new "-103" command line argument*	*Personix*
GUI .exes	Page controls only available when a file is being viewed	
HotDirZ.exe	*Modifications for:*	*Schiellinger*
IMG2PCL.exe	Prints data on a second page	GWDS
ImgCvt.exe	*won't honor 270 rotation if just in 2pcl.ini file. It does with Img2PCL.exe*	*GWDS*
PCL GUI's	Open any file extension on cmdline w/warning **WarnAssumedPcl** preference	
PCLCodes.exe	Now opens with the file you Open With, instead of what was in PCLCODES.INI	
PCLPrint/FastPrint	*Modifications for:*	*EGTS*
PCLSPLIT.exe	Modifications for:	ITECH
PCLTool.exe	Added Paper Size at bottom of page view	
PCLTool.exe	Removed redundant "Windows 3.0, latin 1" entries in Convert Pref: Front Panel Settings->Symbol Set list	
PCLXForm	*Modifications for: ABSData, AMFed, MDG, Personix, Primoris, AMSI*	*several*
PCLXForm	*TPT Script - Minor modification required due to 7.1 to 8.76 upgrade causing an errmsg*	*TMIC*
PCLXForm.exe	*Streamediting to add OMR marks, sort documents and track page/document counts*	*MailCo*
PDFWrite.dll	2/14: Fixed Blank Page problem	Personix
PDFWrite.dll	PDF/A – CV-B Color vector – 1B – Missing Chars. in embedded font	RecInfo
PTC	Added support for CMYK color raster object, V9	Ems-md
PTC32.dll	Modified so *.AMP is default for browsing for AMPs in Misc Prefs	
PTC32.dll	*PDF Switch*	*Personix*
PTC32.dll	Added code to handle custom media size in millimeters correctly	Xerox
PTC32.dll	Added code to ignore Xerox %XRX job language	GBS
PTC32.dll	*Added OCR Text Grid code*	*BMSDirect*
PTC32.dll	*Added PREF_INTL_DSET_DIR_IS_SRC_DIR*	
PTC32.dll	Added support for landscaping issue	MMNZ
PTC32.dll	Bug mixing color and mono when overlay was applied.	lg.se
PTC32.dll	Changed way AMP files are generated/searched for PCL6 chars. Need to re-generate previous AMP's	
PTC32.dll	Enhanced PCL3GUI support	Vida
PTC32.dll	Fixed a problem with the way we were creating calibration negative values	
PTC32.dll	Fixed font selection and sizing issue	BoatUS
PTC32.dll	Fixed problem with S:\INSTALLATION\MailStream Manager\Castle Bank-Dekalb, IL\Test.PDF	Syntel
PTC32.dll	Fixed text metrics in footer	SharonCU
PTC32.dll	*Modifications for: ABSData, ITECH, LaserTec, MDG, Personix, Primoris, AMSI, AmFed*	*several*
PTC32.dll	*Modifications for:*	*Primoris*
PTC32.dll	*Modifications for:*	*SLData*
PTC32.dll	PCL6 d/I bitmap fonts not using Swedish characters	Microdata

PTC32.dll	PJL insertion: PCL5e/PCL XL printer will not switch to PCL5e. Insert PJL emulation=PCL XL	ABSData
PTC32.dll	PXL – 2/14: Support for new type of d/l .SFT with composite characters (Add TESTSFT3.PCL)	Microdata
PTC32.dll	PXL – 2/14: Support for new type of d/l .SFT with composite characters (Add TESTSFT3.PCL)	Microdata
PTC32.dll	View PCL in raster shows a problem with PCL6. Convert to TIFF or PDF is okay JITIndexing	Haerry
PTC32.ini	[Misc] section – PdfRemoveTrailingSpaces=1 to fix PCL that overlays spaces on top of text	BabsonCap
PTC32.ini	DisplayStartupErrors - Do not display errmsg if one occurs during startup.	
PTC32.ini	FavorDownloadedLinedraw - Do not favor the downloaded linedraw	
PTCNet.dll	*Added backward compatibility with PTCNet.ini if it can't find PTC32.ini.*	
PTCNet.dll	*Fixed improper global setting*	*QLoan*
PTCNET.dll/.lib	*Added Strong naming to .NET .DLL's*	*Syntel*
TaxPrint.exe	*Modifications for:*	*HCSS*
TNXDumpg.exe	Now defaults to "ASCII text equivalent" report format	
TTEG.sym	Fixed mis-mapped Pi character	

V9.01 – 4/08/10 Maintenance release

PTC32.dll	Fixed a HPGL/2 and font handling issue	Kozel
PTC32.dll	Fixed a PCL page registration issue	Marsh
PTC32.dll	Fixed "bad /BBox" issue with embedded TTF's in PDF from download bitmap fonts	OpenText
PTC32.dll	Fixed a reverse graphics issue with embedded graphics when converting to vector PDF	

These are new versions for the .NET, 64-bit and .NET 64-bit environments:

FastPrint64.exe
FastPrintNet.exe
FastPrintNet64.exe
ImgCvtNet64.exe
PageCounter64.exe
PageCtr64.exe
PageCtrNet.exe
PageCtrNet64.exe
PclPrint64.exe
PclPrintNet.exe
PclPrintNet64.exe
PclSplit64.exe
TnxDump64.exe
TnxDumpG64.exe

The source for these programs was migrated to VS2008 and recompiled:

FastPrint.exe
PageCounter.exe
PageCtr.exe
PclCodes.exe
PclPrint.exe
PclSplit.exe
TnxDump.exe
TnxDumpG.exe

These programs were updated and re-compiled:

Filter.exe
Filter64.exe
FilterNet.exe
FilterNet64.exe
Filtr.dll
Filtr64.dll
FiltrNet.dll
FiltrNet64.dll
ImgCvt.dll
ImgCvt.exe
ImgCvt64.dll
ImgCvt64.exe
ImgCvtNet.dll
ImgCvtNet.exe
ImgCvtNet64.dll
PCLTool.exe
PCLTool64.exe
PCLToolNet.exe
PCLToolNet64.exe
PCLView.exe
PCLXForm.exe
PclXform64.exe
PclXformNet.exe

PclXformNet64.exe
PdfWrite.dll
PdfWrite64.dll
Ptc32.dll
Ptc64.dll
PTCNet.dll
PTCNet64.dll
TnxDmp.dll
TnxDmp64.dll
TnxDmpNet.dll
TnxDmpNet64.dll

V9.02 – 4/13/10 Maintenance release

.Exe's & .Dll's	Recompiled most .dll's and .exe's

V9.03 – 5/04/10 Maintenance release

.Exe's & .Dll's	Recompiled most .dll's and .exe's
GUI .exe's	All image files in View Image dialog now includes .RAW files.
GUI's	Data Overlay feature add ability to overlay text file to select font, pt size and "text"
GUI's	Data Overlay of browse - Files of type not retained.
GUI's	Print/FastPrint dialog - add back the Page Range
GUI's	Print/FastPrint dialog - add back the Print to File
GUI's	Progress screen truncates the f/n - either enlarge scrn or compress f/n to see drive<…filename.
Help	Fixed path to "Start Here- Intro to PageTech Tools" help file
PCLTool.exe	Find Text - Help link fixed
PCLTool.exe	Added .RAW files to the "All image files" Types of Files preference.
PCLTool.exe	**Add Conv. Pref.=>General=>Force Rotation of output file preference (LandRotate)**
PCLTool.exe	Data Overlay feature GPF's on "\data\ntissue.txt" text overlay file
PCLXForm.exe	**Add a function in the .TPT to ignore the PTC32.INI preferences.**
PTC32.dll/etc.	BUG: PCL3GUI incompatibility with DesignJet Z3100
PTCNet64.dll	No longer requires Administrator credentials. I can now "find itself" (via the registry) in the install directory.
TechSupport	Dump of TempDir= folder is created for every product listed in .\pagetech folder - list once only