FOR IMMEDIATE RELEASE

## X9Ware LLC Announces X9Assist R2.10 Including Linux Support

ST. LOUIS, Missouri (December 27, 2013) - X9Ware LLC announces the availability of *X9Assist* R2.10 (our Check21 image exchange toolkit) which includes native Linux support, Make/Generate enhancements, an improved file modification audit trail, TIFF validation changes, and various other improvements.  This release has improved x9 load and validation performance as compared to R2.09.

X9Assist is now available for Linux with the same functionality and user interface that exists in Windows.  Spreadsheet export can be to Excel, Libre Calc, OpenOffice Calc, or similar tools.  PDF export can be to a variety of tools including Evince, AcroRead, Okular, Xpdf, and Kpdf.  All internal XML files are fully compatible between our Windows and Linux environments.

We continue to enhance Make/Generate testing tool based on user feedback.  Debit totals can now be automatically spread across multi-credit files. You can insert your own test images into generated x9 files.  New image routines convert gray scale images (commonly stored in archives) to standard x9.100-181 black/white.  Errant items can be now be easily created without MICR lines.

Modify/Repair/Save includes an improved audit trail around x9 file modifications.  Automated repair is now fully integrated with the internal log that was previously used by Modify and Search/Replace. Save enhancements allow you to quickly export the Modify Log to an external file, as a streamlined way to record this important audit trail. The user folder selected to export the Modify Log is sticky and preserved across user sessions. A new system setting makes export of the Modify Log a mandatory process, which ensures that you have an audit trail for all production x9 file modifications (which is import for Audit and Compliance).

TIFF validation has been improved with new edits added for tag 254 (New SubFile Type) and tag 255 (SubFile type).  TIFF validation has new XML based edits that allow minimum and maximum tag values to be specified.  Specific TIFF tags can be defined as not allowed at the error, warn, or info levels.

Our SDK has been improved for both x9 read and validate.  X9 files now read faster when stored on network (remote) drives through improved buffering.  The x9 validation engine is about 15% faster when compared to R2.09. X9Assist and X9Utilities both benefit from these changes.

A complete list of R2.10 enhancements can be found at [www.x9ware.com](www.x9ware.com).  Go to Contact Us and then Release History.  An evaluation copy of X9Assist can be downloaded from our website (visit our Download section).  A full function version can be made available for an extended evaluation period upon request; please write to [x9assist@x9ware.com](x9assist@x9ware.com).

### About X9Ware LLC
X9Ware LLC ([www.x9ware.com](www.x9ware.com)) provides extensive tools for users of the various x9.37 file specifications. The product line extends from a free x9 viewer to tools that include validate, modify,  make, generate, scrub, import, export, and a host of other x9 support and reporting functions.  X9Ware LLC strives to offer the best tools in the industry and also offers consulting services that are based on our 35 years of industry experience.

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