

# TagWrite® Converts Interleaf\Quicksilver Formatted Documents Into Precisely Formatted Microsoft Word XML DITA

## Company Information

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## TagWrite®

TagWrite is software that converts complex engineering procedures and technical documents, forms, tables, equations, graphics, etc. from QuickSilver (Interleaf) to fully formatted Microsoft Word or to XML, DITA, 38784 milspec and other environments. We have over 35 years continuous experience enhancing our software.

## Integrity Of Your DATA Is Protected

TagWrite software parses (reads) your original, native Quicksilver/Interleaf data file and performs the conversion in computer memory *without* human intervention. TagWrite is **NOT** a scanning or a key entry method. Human data errors are not introduced into your documents. For most customers, this eliminates the high cost of detailed proofing for content.

## ZANDAR Coporation

ZANDAR began in 1987 with a contract from the United States Navy to help implement the "Paperless Ship".

We specialize in documents with critical content that demand precise conversion and the highest level quality control to meet engineering standards. Each TagWrite application is custom built for your specific job. We have millions of pages of experience with all versions of Interleaf/QuickSilver.

**All work is performed by USA citizens in our Vermont and California offices. We do not subcontract any work.**

## Microsoft Word

TagWrite has been optimized to produce fully formatted Microsoft Word that can be saved as .docx; .doc; or .PDF. We have converted millions of pages of complex engineering documents to Word.

## XML/SGML and DITA

We produce precise XML/SGML to meet your DTD standard.

## Supported Features

Virtually any component of Quicksilver/Interleaf can be transformed into fully formatted Microsoft Word or correctly coded XML. For example:

- Tables of any complexity in portrait (vertical) or Landscape (horizontal).
- Automated References and Cross References throughout the documents.
- Equations from Interleaf converted to fully editable format in Microsoft Word Equation Editor 3 or to the superior "MathType" program from Design Sciences. If your documents contain equations, please discuss this with us.
- Graphics – See "Graphics" section below
- All special\technical characters. Quicksilver/Interleaf used proprietary special character fonts. We convert them to a universal, usable format.
- Headings -- nested, auto-numbered headings to nine levels or hard numbered.
- Lists – nested, bulleted, and simple sequentially auto-numbered lists
- Highlighting anywhere in the document (bold, underline, italic or combinations and colors as needed).
- Revision marks.
- Headers and Footers; Footnotes
- Text Boxes
- Table of Contents, Figure reference and Figure List, Automated indexing; Note, Warning, Caution
- Interleaf/Quicksilver "Micro-Documents"
- Ruling lines
- Tabbed data
- Change page notices in footers. Interleaf has the ability to make a change page notice in the footer, but there is no native support for this feature in Microsoft Word. TagWrite engineers developed a method to provide this function in Word.
- Other features

## Graphics:

TagWrite transforms native Interleaf/Quicksilver vector drawings to editable formats including Windows metafile vector format. The converted vector graphics are editable in various graphic editing programs like Adobe Illustrator and others and can be saved in any vector graphic format. XML/SGML graphic format depends upon the DTD.

Bitmap graphics generally are converted to JPG, PNG, BMP depending on your needs. We even convert antiquated Interleaf/Quicksilver plotter graphic format. There are very few, but potentially some limitations on graphic conversion. We will evaluate your project.

## Limitations

There are very few, but potentially some formatting limitations when moving between Quicksilver/Interleaf and Microsoft Word or XML. ZANDAR Corporation technicians will examine your document and advise you on these problems, if any. We generally find a "work around" if we meet a problem, but, for most documents, there are no significant limitations.

## High Security Environments

We are USA based with USA citizen employees. Inquire about methods we have successfully applied for converting high security documents.

## Processing, Quality Control, and Cost:

The native Quicksilver/Interleaf file format is very complex and was designed to be machine readable. Complexity is magnified because there is wide variability of its use even within the same group of documents. In addition, Interleaf/Quicksilver archives typically have been produced and maintained over years and handled by different document technicians using different techniques.

Thus, each Interleaf/QuickSilver conversion job requires unique technical set up and quality control analysis in the ZANDAR Corporate offices with ongoing quality control refinement during the course of production. Each job is a "work of art", so to speak. Except for high security jobs, we run the conversion and maintain continuous quality control monitoring on our computers and ship finished documents to the customer. We maintain a FTP site for data transfer.

We are highly efficient producers. Virtually all of our customers have USA export controlled documents that must be handled in the USA. Based on our market analysis, the cost for using the TagWrite Interleaf/Quicksilver Transformer is far lower than any other means in the USA, and we even compete favorably with the cost of re-typing the document in China or India.

The cost for TagWrite conversions vary depending upon the job requirements and size. As number of pages increases, the per page cost generally declines.

The low cost is especially apparent when you take account of key factors:

- TagWrite achieves precise formatting. We strive for zero manual intervention by the customer.
- We offer a fixed price. We do **NOT** charge extra based on the number of keystrokes. We do **NOT** charge extra for graphics or tables, styling, automated features like references/cross references or for any other feature with the single exception that there may be a surcharge if the project contains a significant number of equations. Please let us know if your project contains equations.
- As noted above, the TagWrite conversion parses (reads) your original data files and performs the conversion in computer memory. **All original data is passed through to the converted format.** Human error from key entry or scanning is *NOT* introduced, thus proofreading for content generally is not required by our customers. This is a significant (huge) cost saving factor for most of our customers.

## Company Background:

ZANDAR Corporation, founded in 1987, is the creator of TagWrite® products. TagWrite source code is original and is maintained and wholly owned by ZANDAR and is used to transform tagged or "marked up" documents from one tagged format to another. We also do precision and IBM Bookmaster, DCF, gml conversion as well as legacy WordPerfect

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