



Content Compare

Advanced Electronic Proof-Reading and
Quality Control of Artwork Files



Computerized Content Compare

How can you guarantee that the requested changes, and only them, were correctly made in your artwork? How can you easily compare the content of two text areas, regardless of changes in disposition and style?

The Content Compare application developed by InformaIT is an automated proofreading tool for professional electronic comparison of artwork files.

The comparison can be run in three modes, fitted for different purposes.

The Text Compare is based on the textual content regardless of disposition and style.

The Graphic Compare does a pixel based analysis to detect graphic differences.

The Manuscript Compare matches crucial text in a manuscript with the compared document.

The results of the analysis are displayed on screen and summarized in a printable report including artwork images showing the exact location of all deviations detected.

CONTENT COMPARE

Content Compare is a complete and user-friendly system that electronically compares original documents, layouts, pictures, etc. with modified and revised versions of the same file.

The system significantly saves labour time by eliminating the need for hardcopy proofreading control, and it reduces errors by increasing the persistence and consistency in quality control.

The application is a browser-based Electronic Record Management system, which is easily accessed and executed from e.g. Internet Explorer or Apple Safari.

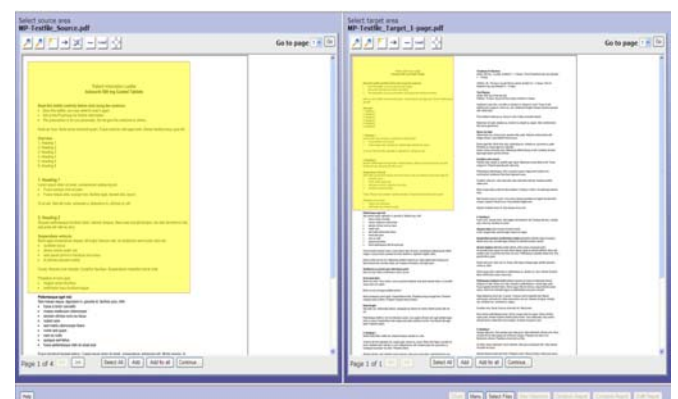
In addition, the Electronic Signature and Record Keeping feature significantly reduces the risk of signature fraud and report misfiling.

BENEFITS WITH CONTENT COMPARE

- Web-based
- Operating System independent—works on both Windows and Mac
- Accurate pixel-by-pixel comparison
- Text disposition and style independent
- Part 11 Compliant
- Complete Report history
- Validation Package included

TEXT COMPARE

The Text Compare scrutinizes streams of text without considerations as to style, size or semblance. The comparison can be carried out word-by-word or character-by-character for selected areas or the entire page. It is possible to save the selected areas as a template, useful for complex document layouts that will be compared frequently.



Picture 1 - Select Area page

The application makes it easy to analyze files with multiple pages: the comparison of the entire documents can be executed at once.

Its revolutionary Language-Independent feature enables the comparison of texts written in



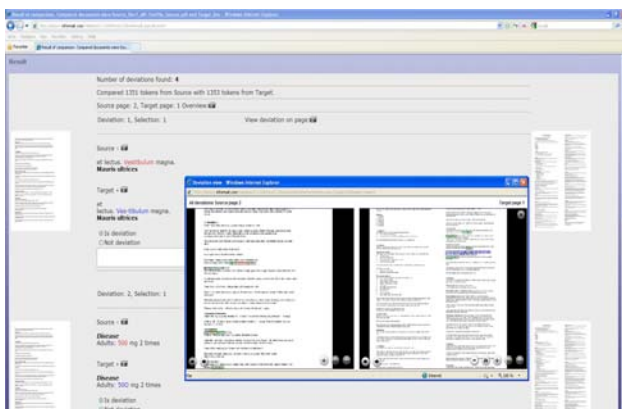
pictorial languages (such as Chinese) or in right-to-left languages (such as Arabic or Hebrew).

The application can also execute the comparison of texts that contain multiple languages on the same page.

The system's innovative Adobe Annotations Compare feature detects deviations between annotations (such as "Sticky Note") and the main text. It likewise verifies that the changes to the original text, suggested in the annotations, are correctly inserted in the revised version of the document.

The Text Compare guarantees a 100% deviations hit rate, provided that the PDF file to be analyzed is created in compliance with PDF/A.

Any deviation is displayed with respect to changed, added or removed text. Moreover, the attribute comparison feature, when enabled, displays deviations as to change of the text attributes bold, italic and bold italic.



Picture 2 - Result page and Deviation overview

The Adobe Acrobat Reader and a web browser, such as Internet Explorer, are the only additional softwares needed to run the application.

GRAPHIC COMPARE

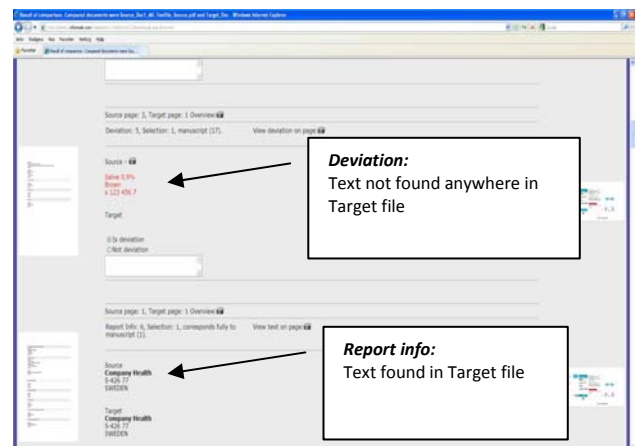
The Graphic Compare feature enables the examination of different electronic versions of the same PDF file that incorporate both text and pictures.

The comparison is carried out on a pixel-by-pixel basis. Even the smallest differences are detected:

the intelligence of the software uses an advanced image analysis, and allows to enable configurable filter options.

MANUSCRIPT COMPARE

The Manuscript Compare feature verifies that crucial text in a manuscript also exists in a corresponding document, without consideration as to where in the corresponding document the text from the original manuscript is found to occur.



Picture 3 - Report page

The result page displays a list containing all the deviations and matches found to occur between the manuscript and its corresponding document. This type of comparison is often well suited for labels.

HOW DOES IT WORK?

A comparison is made between two electronic versions of the same file.

Each comparison result is presented as both *selections* and *deviations*. A selection is the area chosen by the user for comparison: it can be as small as a single graphical object or text character, or as big as the size of several pages. A deviation is any difference found to occur between the two file versions that have been analyzed.

On the Text Compare and Manuscript Compare result page, the deviations are catalogued as detailed text listings. Each deviation is also displayed as images that show its exact location in both compared files. On the Graphic Compare



Picture 4 - Comparison Report (PDF file)

result page, the deviations are featured as graphical images.

The results of the analysis are summarized in a Comparison Report PDF file. The report is finalized by being electronically signed by the user. Once the signature is verified, the report is stored as history data in the system database.

GMP CONSIDERATIONS

The Content Compare System is designed to comply with general GMP requirements for Good Electronic Record Management, and with CFR 21 Part 11 requirements for electronic signatures.

The standard software system is validated, the **Validation package is included** in the delivery. Additional validation documentation can be delivered for IQ and our professional service team can help with installation, training and support.

ABOUT US

InformaIT is a software company that combines specialist competence, market leading products, and domain specific concepts. We offer cost effective solutions and services.

For a closer look at Content Compare and its capabilities, and for more information on our Artwork Management System, please visit us at <http://www.informait.com>.

For more information please contact us at

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