

A4L 5.0 - Automated Integration with Adobe InDesign®

Key Features

- Compares content across formats (e.g., can compare Microsoft Word® content to Adobe InDesign® content)
- Automated data flow using A4L's powerful XML technology
- Bidirectional and iterative (full lifecycle)
- Complete suite of targeted, high-quality support and services
- i4i are the XML experts, with many years of XML integration experience

Benefits

- Automation—removes most manual processes
- Dramatic reduction in content duplication
- Information agreement (risk mitigation)
- Nothing for artwork staff to learn
- Significant cost savings
- Corporate efficiencies prevent costly regulatory errors
- i4i Services can assist at any point in the process

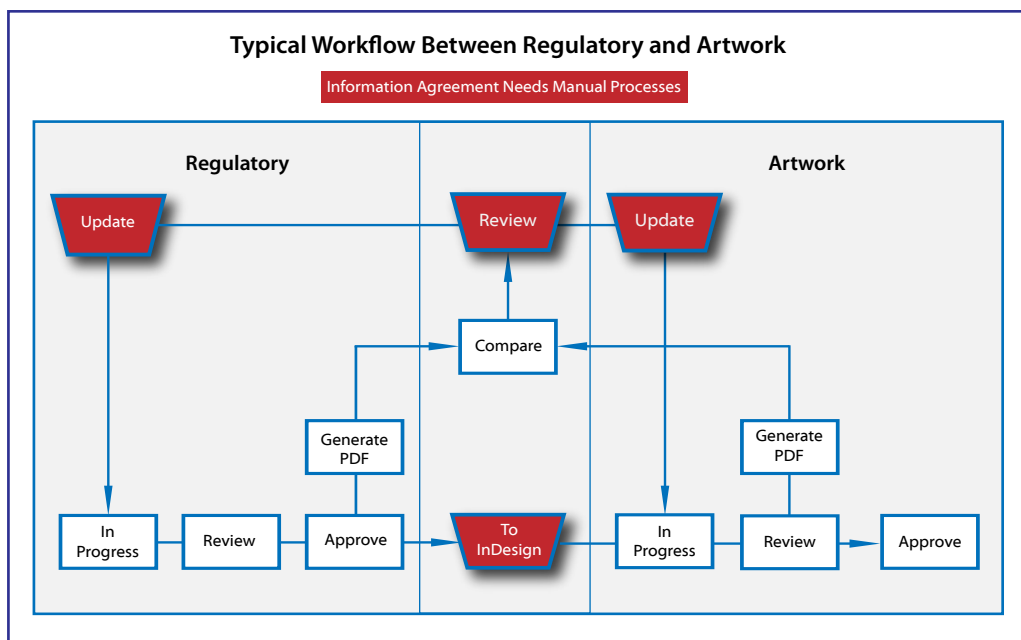
Repurposing Regulatory Information for Artwork

Artwork departments of pharmaceutical companies have long been frustrated by the difficulty of repurposing the information created by their drug product labeling process.

They have had to use a very manual approach to obtaining content— provided by either a legacy labeling process or a software solution. The lack of integration has created significant duplication and cost, within an overall error-prone process. This problem has now been resolved with the release of i4i's A4L 5.0 (ALICE for Labeling). ALICE is i4i's Authoring Lifecycle Collaboration Environment.

i4i has used the power of its A4L solution to deliver an automated two-way integration with Adobe InDesign®, the leading desktop publishing solution for corporate artwork requirements. A4L achieves this by harnessing the ability of its XML technology to repurpose data across the enterprise.

To better understand the value of the solution, it helps to look at a typical workflow between a company's regulatory environment and their artwork department.



A manual process is required to compare content from a Microsoft Word® document to that in an InDesign document. The traditional information agreement solution is to:

1. Normalize both documents to a common format such as PDF.
2. Manually review/compare the PDFs.
3. Hope for the best and manually replicate any identified differences to the sources for reconciliation.

This process is repeated until both sides are in agreement. As shown on the next page, the i4i solution dramatically improves on this approach—in terms of simplicity, efficiency, productivity, and accuracy.

About i4i

Infrastructures for Information (i4i) is a world leader in the design and development of XML-based collaborative content solutions and technologies. The company has a proven record of accomplishment and innovation, having authored international standards and patented its technology.

Through the use of i4i's comprehensive suite of products, life science companies can author, verify, submit, and manage product labeling requirements.

i4i has successfully developed and deployed collaborative content solutions for life science customers, as well as for government and other industries, around the world.

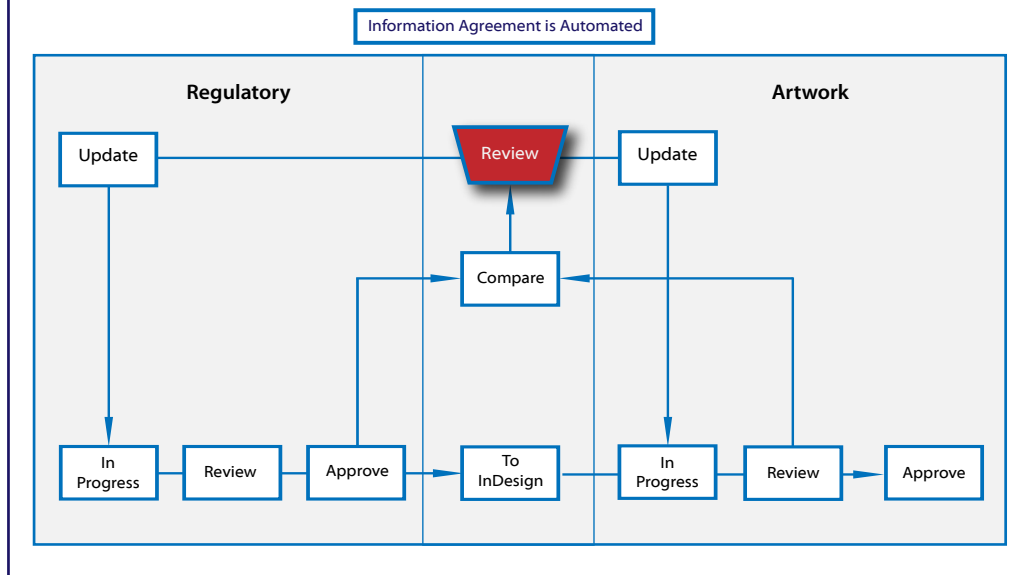
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i4i Workflow Between Regulatory and Artwork



i4i's A4L solution:

- Replaces three manual process steps with automation.
- Optionally eliminates all manual process steps.
- Eliminates two automated steps.
- Reduces the number of documents the system must manage.

How is this achieved?

A4L uses unique cross-format, content comparison functionality to allow a Microsoft Word *.docx* file, containing approved labeling content, to establish a two-way content exchange with an InDesign *.idml* file. The two software environments remain in sync for the life of the drug product as they, in effect, collaborate.

The big overall benefit is the extension of the information agreement architecture beyond the labeling environment. Further assurances can be realized—that what is said in one place about a drug product (the labeling solution) matches what is said in another (artwork solution output). And the iterative, bi-directional approach will maintain this information agreement throughout the life of the drug product.

Targeted Services

A4L's integration with InDesign, like all of i4i's solutions, is supported by a number of targeted services:

- Assessment
- Installation
- Migration
- Deployment
- Training
- Online, E-mail & Telephone Support

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