



What is UltraForms®?

UltraForms® is the leading 2D barcode generation technology for PDF fillable forms. It allows PDF fillable forms to seamlessly generate dynamic 2D barcodes based on user data input.

The generated 2D barcode contains all of the form's data, plus control characters (if required) to ease integration with back-end systems. Data is easily recovered with 100% guaranteed accuracy, by scanning the barcode.



fig. 1.- PDF417 2D barcode encoding 452 characters

How Does it Work?

By using Acrobat® Reader and PDF fillable forms together with UltraForms®, users are able to print a paper version of the form that contains the data in both readable text and 2D barcode formats. In this manner, they can review, sign and submit the paper form for processing. The paper form is scanned or captured from a fax transmission, and the information is automatically read from the 2D barcode.

It doesn't matter if the form has one page or several, or if the end-user has a laser or an inkjet printer. All the form's data will be encapsulated in a 2D barcode that can be easily read with a handheld scanner or with a document scanner and appropriate software.

Cost Savings with 2D barcodes

2D barcodes are a proven technology that is currently being used in a variety of industries.

UltraForms® provides a unique opportunity to reduce costs from traditional forms data capture operations by up to 70%. When compared to manual data capture processing, cost savings of 15:1 are achieved. When compared to more advanced OCR data capture processing, cost savings of 3:1 are common. UltraForms® has no "exception handling", like traditional OCR methods.

What is MultiSession FILL®?

Until now, when Acrobat® Reader was used, PDF fillable forms had to be completed within the same session.

MultiSession FILL® (MSF) is a software solution that allows an end-user to fill a PDF form in different sessions using Acrobat® Reader. With MSF, the data entered into a PDF form is stored by the application (Acrobat® Reader) and may be retrieved by the end-user at anytime.

MSF is the perfect complement for customers that are already using UltraForms® Technology to produce 2D barcodes in their forms. The available space provided by Acrobat® Reader to store data perfectly matches the available space for data in a 2D barcode.

Who can use this technology?

Any person with Acrobat® Reader installed on their computer can start using MSF immediately. By providing a very simple solution such as MSF, allowing the end-user to fill a PDF form in different sessions, the basic needs of hundreds of thousands of users can be fulfilled. Organizations that use PDF fillable forms in any way, can also benefit from using MSF.

Where is the data stored?

With MSF, it is the Acrobat® Reader application, and not the form, which stores the data and retrieves it when required by the end-user. Each version of Acrobat® Reader uses a different location in the hard drive to store the data.

How much form data can I store?

The average number of characters present in a fairly complex PDF fillable form (similar to State of Missouri's MO-1040*) rarely exceeds 1,000 characters.

With this in mind, MSF allows the end-user to store (in Acrobat® Reader 6.x and later) four completely filled 1,000 character forms, or any combination using up to 4,000 characters. When Acrobat® Reader version 4.x or 5.x is used, the amount of form data that can be stored is substantially higher.

* This form can be found at:
<http://www.dor.mo.gov/tax/personal/individual/forms/2004/m1040f.pdf>

From Paper to Electronic

Whenever there is a PDF form that has to be filled and printed using Acrobat® Reader, and the process involves capturing data, there's a great opportunity to use both UltraForms® and MultiSession FILL®.

The use of a PDF fillable form significantly reduces end-user errors by validating entries as they are made, performing calculations in real time, and using 2D barcodes to capture the form's data.

The ability to print the form after it is completed solves issues of signatures, attachments, and payments and raises the user's comfort level. It also provides a means for forms processors to gradually move to the electronic environment.

Successful implementation of this model opens the door to increasing levels of automation until organizations are able to achieve the promise of true electronic forms.

Towards this goal, Dataintro Software is committed to develop the best products, to help organizations address any initiative involving forms data capture and forms processing.

Dataintro Software serves and provides immediate cost savings in the following industries

- Government

Tax Forms, Vehicle Registration, Business Licenses, Statistics

- Healthcare

Patient Enrollment, Insurance Claims, Prescription Orders, Clinical Trials, Blood Tests, Sample Submission, Confidential Data

- Financial Services

Loan Applications, Credit Reports, New Accounts, Insurance Forms

- Manufacturing

Service Requests, Specifications, Job Orders

- Education

Admission Applications, Financial Aid, Student Transfers

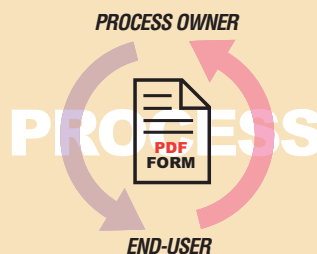
- Human Resources

Hire Form Pack, Employee Information, Confidential Data



Designed to help the PROCESS OWNER capture data from paper forms with 100% accuracy

UltraForms® Technology is the leading **2D barcode generation engine** for PDF forms. It has been designed to help the process owner to solve the problem of **capturing data from paper forms**, allowing for **100% accuracy**.



In many processes (Government and Corporate) a paper form is the vehicle used by the **end-user** to communicate data to the **process owner**. PDF forms are the worldwide de-facto standard, used to produce high quality paper forms.



Designed to help the END-USER fill PDF forms in different sessions using Acrobat® Reader

MultiSession FILL® allows the end-user to **fill a PDF form in different sessions using Acrobat® Reader**. It is the perfect complement for PDF forms embedding UltraForms® Technology.

DATAINTRO SOFTWARE® SOLUTIONS PORTFOLIO (JUL 2005)

About Dataintro Software:

Dataintro Software S.L. is a privately owned software company with offices in Sacramento, California. The company focuses on Paper Process Automation for large private companies and government agencies worldwide, providing cost savings, higher productivity and better efficiency. As the leading provider of 2D barcode generation technologies for PDF Forms, Dataintro Software solutions result in improved customer and citizen service.

For more information, please visit www.dataintro.com

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