

**Nuance  
Solutions  
Enhance the  
Support for  
PDF/A  
documents**

Zoltan Urban,  
Dir. of  
Technology R&D



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# PDF/A Competence Center



**Nuance Solutions Enhance the  
Support for PDF/A documents**

**Presented by:**  
**Zoltan Urban**  
**Dir. of Technology R&D**



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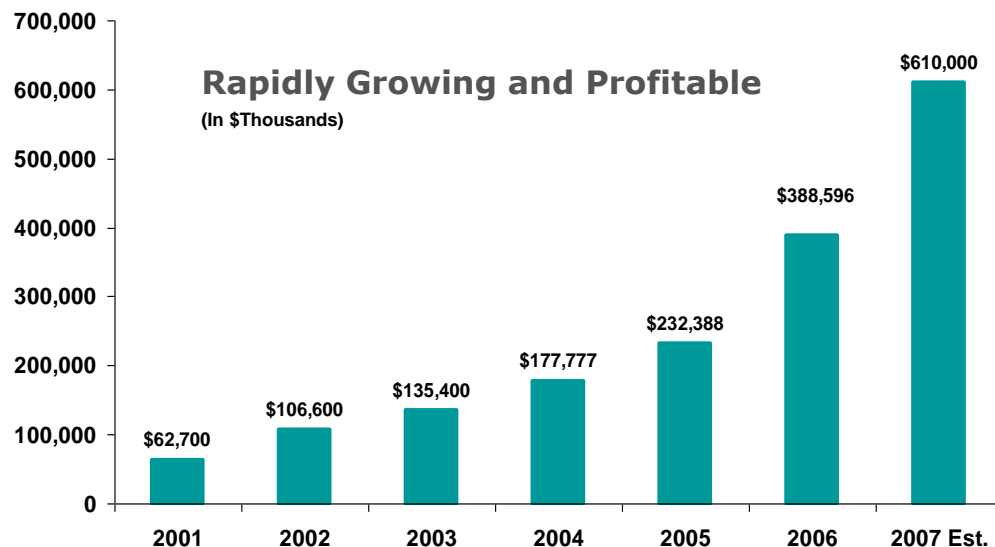
# Nuance at a Glance

## Nuance Communications, Inc.

- ❖ **Over 3,000 employees**
- ❖ **Formerly ScanSoft**
- ❖ **~\$2.5B Market Cap**

### ❖ Leadership

- ❖ **World leader in Speech Solutions**
  - ❖ Network Speech
  - ❖ Embedded Speech
  - ❖ Dictation and Transcription
- ❖ **World leader in Productivity: OCR, scanning and PDF conversion**
- ❖ **Over 16 million registered desktop users, 100M lifetime**



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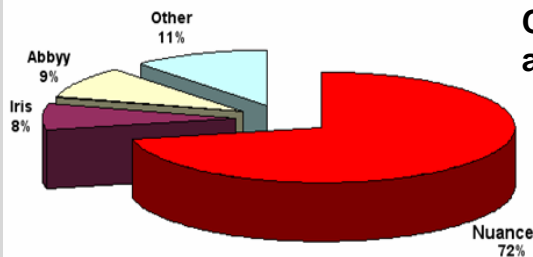


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# World Leader Solutions for PDF/A Handling

**OmniPage<sup>®</sup>**  
**PROFESSIONAL**

Convert paper and  
PDF into digital  
documents that can  
be edited, stored and  
searched

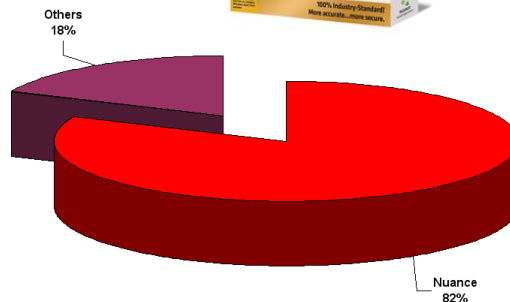


WW Desktop OCR Market Share



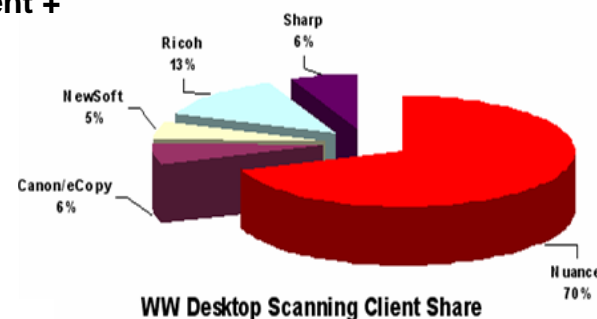
**PDF Converter<sup>®</sup>**  
**PROFESSIONAL**

Instantly turn PDF files  
into fully-formatted  
Microsoft Word documents +  
Edit directly any PDF document +  
Create PDF from any PC  
application

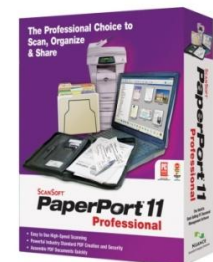


**PaperPort<sup>®</sup>**  
**PROFESSIONAL**

Enable network  
scanning, PDF creation  
and document  
management  
on every PC



WW Desktop Scanning Client Share



- Nuance has over 80% share as #1 alternative to Adobe Acrobat
- Most feature-rich alternative
- Only to support all major languages, including Japanese
- Only with PDF-to-Office, FormTyper, RealSpeak, Content Management Connectivity, PDF/A

# Main PDF/A Objectives to Address

- ❖ **Non-proprietary file format and tools**
  - ❖ Specification is not owned by a single company
  - ❖ No dependency on one tool vendor
- ❖ **Unambiguity and fidelity**
  - ❖ Stricter syntax rules
  - ❖ Include all necessary information (no environmental dependency)
- ❖ **Easy extraction of text in proper order**
  - ❖ Textual documents should behave like computer text (search (words!), copy etc.)
  - ❖ Logical text ordering cannot be easily derived from the physical arrangement of characters

# PDF/A Handling Tasks

- ❖ **Creating PDF/A documents**
  - ❖ **Printer driver (PDF/A compliant)**
  - ❖ **Convert to PDF/A from**
    - ❖ Scanned images
      - ❖ High OCR and ROD accuracy is essential
      - ❖ Easy proofing and correction saves manpower
      - ❖ High volume (batch) conversion
      - ❖ MRC compression for better quality/size trade-off
    - ❖ Office documents
      - ❖ Derive tagging from logical document structures
    - ❖ XPS (Microsoft's XML Paper Specification)
      - ❖ Expect more and more to deal with
    - ❖ Non-PDF/A PDF files
      - ❖ Non-compliant compression, missing text (OCR) and/or tagging, syntax violation, encoding problems
    - ❖ Combine various file types into one PDF/A document

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# PDF-MRC High Compression Technology

## Scan and share documents in full color!

### Without PDF-MRC

**Camping can be Fun and Adventurous in Our Sturdy Tents!**

Camping is an exciting and adventurous activity for the entire family. Exploring the scenic vistas from atop mountains is enjoying the sun and fun of the ocean, your camping experience is more enjoyable with a lightweight all-weather tent from our selection of domestic models. These tents, constructed of nylon and canvas, provide comfort and protection from the elements for three seasons and are easy to fold and store. Our unique triple zipper door and vent design allow air circulation with the door closed or rain flap closed. You stay dry in the most severe rain and wind and avoid condensation in hot humid weather.

Our tents use the finest nylon and canvas materials available and are guaranteed for five years. All seams are tested to our specified burst strengths and all zippers are triple stitched. Check our Web site for pricing, details on our support program and a list of frequently asked questions.

Select a model that meets your family's needs:

	Sunrise	Northeastern	Alpine
Capacity	2 person	3 person	4 person
Fabric	Nylon	Nylon	Canvas
Reflective Material	No	No	Yes
Number of Doors	1	2	2
Number of Vents	1	2	3
Screens	1	2	2
Interior Storage	No	No	Yes
Shylight	No	No	Yes
Weatherproof	No	No	Yes
Ultraviolet Resistant	No	No	Yes
Waterproof	No	No	Yes
Setup Time	1 min	1 min	1 min
Breakdown Time	1 min	1 min	1 min
Minimum Weight	2.5 kg	3.5 kg	4.5 kg
Packaged Weight	2.5 kg	3.5 kg	4.5 kg

And remember, your investment in our products will be an investment in your family's enjoyment.

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### With PDF -MRC

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**84%  
SMALLER!**

And remember, your investment in our products will be an investment in your family's enjoyment.

Color 300 dpi  
150K

# PDF/A Handling Tasks

## ❖ View / Edit

### ❖ Collaborate

- ❖ Annotate
- ❖ Comment / print with comments
- ❖ Highlight / strike-out
- ❖ Quickly locate information with highlights

### ❖ Touchup

- ❖ Add / delete / modify text
- ❖ Insert / delete graphics and clip-arts

### ❖ Redact

- ❖ Block out text for confidentiality
- ❖ Mark up a single document or thousands at a time

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# Mark Text – Redact, Highlight & Strikethrough

Untitled OmniPage Document 1 - OmniPage 16

File Edit View Format Tools Process Window Help

Page Width

Mark Text... Load Files Recognize... Mark Text Save

Page Image Text Editor Workflow Status Help

Page Image

Find, Replace and Mark Text

Find Replace Mark Text

Find what: Nuance

Redact Mark for redaction Highlight Strikethrough

Find Next Close

Options

Search: All Match case Find whole words only

Document Manager

Page 2 of 3

Ready

PDF Converter Professional - [Paper] redacted.pdf

File Edit View Document Tools Window

Organizer Panels Navigation Panels

Touchup Text Tool

Revolutionizing Scan-to-Desktop from Network MFP Devices

For the First Time Users can Personalize Network MFP Touchscreen Menus Directly from their Desktop - Instantly and without IT Support, New Xerox EIP Devices Gain First Implementation

AllMexpo 2007, BOSTON – April 17, 2006 – [Redacted] Communications, Inc. (NASDAQ: NUAN), a leading provider of speech and imaging solutions, today announced the [Redacted] Personalized Scanning Platform™, or PSP™, which for the first time empowers office workers with the ability to customize – directly from their desktop – the scanning menus they have available to them on their network multifunction printer/copier/scanners (MFPs). The first implementation of the solution will be Xerox® Scan to PC Desktop™ EIP Edition, an implementation of [Redacted] PSP for the newly announced Xerox® Extensible Interface Platform™ (EIP) devices. Xerox EIP-enabled devices greatly enhance the ability of solutions providers and software vendors to remotely control MFP touch-screen environments.

[Redacted] is used by millions of people every day to scan, search and organize documents and photographs on a personal PC and across a network. The ease-of-use and patented features of the product has helped to make it the de-facto standard for scanning from MFP devices, with [Redacted] being the core OEM client application of Xerox Scan-to-PC Desktop, EIP Desktop and Desktop Professional and Konica Minolta Unity Desktop and Kyocera [Redacted] is also the OEM scanning desktop for devices from Avision, Brother, Dell, Epson, Fuji-Xerox, HP, Kodak, Kyocera, Lexmark, OkiData, Panasonic, Planon, Sagem, Visioneer and more.

"Innovative [Redacted] scanning solutions combine with customizable open and powerful MFP environments like Xerox EIP to enable this revolution in scan-to-desktop," said Robert Wademan,

# PDF/A Handling Tasks

## ❖ Process Forms

- ❖ Static forms to dynamic
- ❖ Fill-in and save / e-mail
- ❖ Data extraction

## ❖ Automated PDF Business Process

- ❖ Create fillable form with OmniPage, PDF Converter Professional or Adobe Acrobat Professional
- ❖ Distribute PDF forms
- ❖ Filled forms are returned as PDF files or printed forms
- ❖ Filled forms can be read as PDF and/or scanned into OmniPage
- ❖ Forms are processed using original non-filled form as a template
- ❖ Data is extracted and merged into a single data file (.csv) for use as a spreadsheet or database import

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## Extract Form Data

The screenshot shows the OmniPage 16 interface with an invoice document open. The 'Extract Form Data' button is highlighted in the toolbar. A Microsoft Excel window titled 'EXPECTED Form data extraction results.csv' is overlaid, displaying the extracted data in a table format. A large blue arrow points from the 'Extract Form Data' button in the OmniPage toolbar to the Excel window.

	A	B	C	D	E
1	SoldCompanyName	SoldName	SoldAddress	SoldCityStateZip	ShipCompanyName
2	TechSoft	John Doe	125 Maple Street	Medway, MA 02053	TechSoft
3	TechSoft	Melissa Smith	345 Walkers Way	Burlington, MA 01803	TechSoft
4	TechSoft	Tim Brown	555 Main Street	Medway, MA 02053	TechSoft

# PDF/A Handling Tasks

- ❖ **Export from PDF/A to**
  - ❖ Traditional Office documents (Word, Excel, PowerPoint)
  - ❖ Native Office 2007 XML formats (DOCX, XLSX, PPTX)
  - ❖ XPS (including searchable XPS)
  - ❖ Voice (read text aloud, save to CD audio / iPOD)
- ❖ **Support for Document Management Systems**
  - ❖ SharePoint 2003 and 2007
  - ❖ Hummingbird 2004/2005 and DocOpen 4.0
  - ❖ Interwoven WorkSite 7.5.1 or 8.0
  - ❖ Other ODMA-compliant DMSs

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## Questions?



### **Special DMS promotion!**

**-30% price discount if  
OmniPage CSDK 15 is  
ordered during DMS  
Expo. Offer valid only  
until 28th of Sept., 12.00  
hours.**

**See us at**

