

## Adobe® Systems, Inc. Adobe Acrobat 6.0

*What's New for Accessibility*

**Greg Piscocky**  
Business Development Manager  
PDF Conference, Bethesda, MD  
June 3, 2003

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## Connecting People, Process, and Documents

**Customer Problems**

- Need to generate and distribute documents meeting strict guidelines for employees and customers
- Required manual collaboration and intense management of paper flow resulting in human errors and schedule risks
- Processing and archiving onerous paper-based documents and processes

Document Generation

Document Collaboration

Document Process Management

**Customer Benefits**

- Always in compliance and always available
- Reduced processing time
- Reduced review time
- Lowered expenses
- Increased efficiency
- Streamlined document processing time
- Lowered processing costs
- Reduced paper

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## Announcing the Acrobat Product Family

**Acrobat Elements**

- Enterprise Knowledge Workers
- Easy, one-button creation from Office and Outlook to Adobe PDF
- Easy, right-click creation from any file on the system to Adobe PDF
- Password protection via 128-bit encryption
- Windows and licensing only



**Acrobat Standard**

- Business Professionals
- Review Tracker for easy, managed electronic document reviews
- New, task-based interface
- One-button PDF creation in Internet Explorer
- Add paper and Web site content to Adobe PDF files
- Digitally sign documents



**Acrobat Professional**

- Business, engineering, & creative professionals
- PDF/X compliance and preflighting
- Color separation preview/output
- PDF optimization
- One-button PDF creation from AutoCAD, Visio, Project
- Support for large page formats (ISO, ARCH, ANSI, JIS)
- Electronic forms creation



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## Accessibility Drivers

- **Government Mandates Around the World**
  - Section 508 - USA
  - Common Look and Feel (CLF) and Web Content Accessibility Guidelines (WCAG) - Canada
  - Disability Discrimination Act of 1995 – United Kingdom
- **Manufacturer/Industry Standards**
  - W3C Web Accessibility Initiative (WAI)
  - Assistive Technology Improvements – JAWS, Window Eyes, HAL, Zoomtext, Kurtzweil etc.
  - Adobe PDF 1.4, Macromedia Flash, Microsoft MSAA
- **Stakeholder Advocacy**
  - ACB, AFB, NFB, NCD, etc...

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## What is a Disability?

“ A person is considered to have a disability if he or she has difficulty performing certain functions (seeing, hearing, talking, walking, climbing stairs and lifting and carrying), or has difficulty with certain social roles (doing school work for children, working at a job and around the house for adults). A person who is unable to perform one or more activities, or who uses an assistive device to get around, or who needs assistance from another person to perform basic activities is considered to have a severe disability.”

— US Census Bureau, *Census Brief: Disabilities Affect One-Fifth of All Americans* (December 1997)

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## What Does Accessibility Mean When Considering Software?

- **When creating and sharing electronic documents, it means:**
  - Providing *applications*, and
  - delivering *electronic content*
- **...that can be used effectively by people with disabilities**



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## The Challenges Customers Face Today

- Making Web Sites Accessible
- Making PDF Files Accessible
- Offering documents in an alternate format (such as accessible HTML)

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## Creating Accessible Electronic Content is a Team Effort

- **Applications must:**
  - Retain and encode both content and structure
  - Deliver the information effectively to assistive technology
  - Provide useful tools to help optimize documents
  - To the extent possible, be useable by those with disabilities
  - Assist in the conversion of legacy files
- **Authors must:**
  - Create documents with accessibility in mind
  - Define structure such as headers, columns, and so on
  - Add navigation and explanatory information

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## The Role of Assistive Technology

- Innovative products and services that improve access to the information technology world for people with disabilities—enabling them to achieve independence
- Examples of assistive technology
  - Computer operating system text-to-speech synthesis
  - Screen reader
  - Braille printer
  - Screen magnification
  - Eye gaze technology
  - Keyless keyboard

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### Adobe Acrobat 6.0 Family Summary of Key New Accessibility Features



- **Read PDF files aloud**
  - ...using standard operating system text-to-speech
  - ...or, exercise greater control when using MSAA-compliant screen readers
- **Create accessible PDF documents and forms**
  - ... in less time
- **Reduce the size of Tagged Adobe PDF files**
  - ... for faster download times
- **Take advantage of Japanese language support**

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### Adobe Tools for Reading PDF Documents and Forms



- **View and Print PDF documents and forms with the following Adobe products**
  - Adobe Reader® 6.0
  - Acrobat 6.0 Elements
  - Acrobat 6.0 Standard
  - Acrobat 6.0 Professional

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### Adobe Reader 6.0 New Accessibility Features



- **Adobe Reader makes it easier than ever before for people with disabilities to read Adobe Portable Document Format (PDF) files.**
  - **New** — Read PDF files aloud using standard Windows® or Mac OS X operating system text-to-speech functionality
  - **New** — Utilize advanced reading functions using Windows-based screen readers
  - **New** — Quickly evaluate the accessibility of an Adobe PDF file
  - **New** — Customize the font size in the Windows navigation panels
  - **New** — Choose alternate reading orders
  - **New** — Take advantage of Japanese language support
  - **Improved** — Use keyboard navigation on the Windows platform
  - **Improved** — View documents in high-contrast mode
  - **Improved** — Zoom in on text and reflow it to fit any size view
  - **Improved** — Save Adobe PDF content as text (.txt)

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 Adobe Acrobat Elements  
New Accessibility Features

- **Acrobat 6.0 Elements includes Adobe Reader 6.0 and offers basic creation of Adobe PDF files within Microsoft® Office 200 and Office XP. You can automatically tag for accessibility the Adobe PDF files you create from the Windows platform.**

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 Adobe Acrobat 6.0 Standard  
New Accessibility Features

- **Acrobat 6.0 Standard enables easy creation, exchange, review, and approval of accessible Adobe PDF files. It includes all of the features available with Reader and Acrobat 6.0 Elements, plus:**
  - **New** — Reduce the size of tagged PDF files for faster download times
  - **Improved** — Convert existing PDF documents to tagged PDF files faster and easier
  - Add security while retaining accessibility
  - Add text to scanned pages for improved accessibility
  - Export text from PDF files to text (.txt) format, Rich Text Format (.rtf), XML, HTML, and Word (.doc)

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 Adobe Acrobat 6.0 Professional  
New Accessibility Features

- **Acrobat 6.0 Professional includes all the features available with Reader, Acrobat 6.0 Elements, and Acrobat 6.0 Standard as well as expert tools that help document managers optimize Adobe PDF documents and forms for accessibility**
  - **New** — Review and modify the reflow order of objects on a page
  - **Improved** — Check and touch up documents for accessibility
  - **Improved** — Create and optimize accessible PDF forms

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## Adobe Tools for Creating and Delivering Accessible Forms

- **Form Designer**
  - Author new XML forms; connect them to back-end systems; and automatically generate tagged PDF, HTML, or aHTML
- **Form Server**
  - Deliver tagged PDF, HTML or aHTML forms
- **Acrobat 6.0 Professional**
  - Turn any PDF document into a fillable PDF form and add tags for accessibility
- **Acrobat Capture Agent Pack with Adobe PDF Forms Access**
  - Quickly optimize existing fillable PDF forms for accessibility
- **Document Server for Reader Extensions**
  - Deliver tagged PDF forms

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## Adobe Tools for Creating and Optimizing Accessible PDF Files

- **Acrobat 6.0 Elements**
  - Easily create tagged PDF files from Microsoft Office applications
- **Acrobat 6.0 Standard**
  - Turn existing PDF files into tagged PDF files
  - Turn scanned pages into tagged PDF files
- **Acrobat 6.0 Professional**
  - Check and touch up documents for accessibility
  - Create and optimize accessible PDF forms
  - Review and modify the reflow order of objects on a page
- **Acrobat Capture 3.0**
  - Turn high volumes of scanned pages into tagged PDF
- **Acrobat Capture 3.0 Agent Pack with PDF Forms Access**
  - Use the Tag Adobe PDF Agent to automatically tag volumes of simple PDF files
  - Use Adobe PDF Forms Access to optimize fillable PDF forms for accessibility

*Make Accessible & Paper Capture plug-ins included*

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## Adobe Tools for Authoring Accessible Content

- **FrameMaker 7.0**
  - Author long, structured documents, turn them into tagged PDF, accessible HTML
- **InDesign 2.0**
  - Author graphically rich layouts, turn them into tagged PDF, accessible HTML
- **PageMaker 7.0**
  - Author business publications, turn them into tagged PDF, HTML
- **GoLive 6.0**
  - Author and manage Web sites, use SSB Technology to check for accessibility

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### Adobe Accessibility Future Directions

- **Inform Government Agencies, Advocacy Groups, and Standards Setting Bodies of the Accessibility Features of PDF File Format**
- **Provide Updated and Simplified Resources/References for Achieving Accessible Results to Each Segment of Accessibility Marketplace (Policy Makers/Implementers, Producers, Consumers)**
- **Extend Accessibility Messaging Beyond US Federal Government**

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### Adobe Accessibility Future Directions (cont.)

- **Develop and Engage in an Ongoing Program of Continuous Outreach to and Feedback from Accessibility Influencers**
- **Develop Third Party Network of Trainers, Developers, and Service Providers Equipped to Assist Adobe's Customers with Achieving Their Accessibility Goals Using PDF**
- **Develop Formal Accessibility Guidelines or Standards**

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### Contact Information

**Greg Pisocky**  
*Accessibility Business Development  
Manager, ePaper Solutions*  
*gpisocky@adobe.com*  
*703.883.2810*

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## Adobe Presentations



- **Monday**
  - Hands-on Lunch & Learn – Adobe Document Server
  - Digital Rights Management and PDF (2:00 pm – PDF Tech)
  - Maximize the Impact of Your PDF Communications with Multimedia (3:15 pm – PDF Interactive)
- **Tuesday**
  - Adobe Acrobat 6.0 Product Tour (7:00 am – General Session)
  - Acrobat Review and Markup (8:30 am – PDF Interactive)
  - Care and Feeding of Acrobat on the Desktop (9:45 am – PDF Tech)
  - Acrobat 6 User Interface (11:00 am – PDF Tech)
  - Hands-on Lunch & Learn – Adobe Form Designer
- **Wednesday**
  - Adobe Development Tools Breakfast (7:00 am)
  - Reliable PDF Creation. What's New in Acrobat 6 (8:30 am- General Session)
  - XML and PDF Integration in the Enterprise (9:45 am – PDF Tech)
  - PDF/A Session (11:00 am – PDF Tech)
  - PDF in Engineering: PDF Procurement and Eliminating Paper Pains (9:45 – PDF Special Interest)
- **Thursday**
  - Post-Conference Workshop for Acrobat/PDF Developers

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## Tools for the New Work®

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