Acrobat 8

Martin Comyn

TRIUMF

What I said about Acrobat 7 in Frascati, 17/11/2005:

- Is it a case of more glitz than substance?

- Are new versions introduced merely to handle new versions of the PDF specification?

- Is there anything new of real use to JACoW?

Acrobat 8 is much the same

Adobe Acrobat history:

Acrobat 1.0		1993	PDF 1.0	
Acrobat 1.0		1993	PDF 1.0	
Acrobat 2.0		1995	PDF 1.1	
Acrobat 3.0		1996	PDF 1.2	
Acrobat 4.0		1999	PDF 1.3	06/2000
Acrobat 5.0	04/2001		PDF 1.4	06/2001
Acrobat 6.0	07/2003		PDF 1.5	?/2003
Acrobat 7.0	11/2004		PDF 1.6	?/2005
Acrobat 8.0	08/2006		PDF 1.7	?/2006

New releases are linked to new versions of the PDF standard, but are launched before the standard is formally published. Other software developers are either privy to the final draft specification, or are playing catch-up after the release.

Acrobat 8.0

A plethora of purchasing options:

- Adobe Reader 8 (free)
- Acrobat 8 Elements
- Acrobat 8 Standard
- Acrobat 8 Professional
- Acrobat 3D Version 8 (3D CAD)

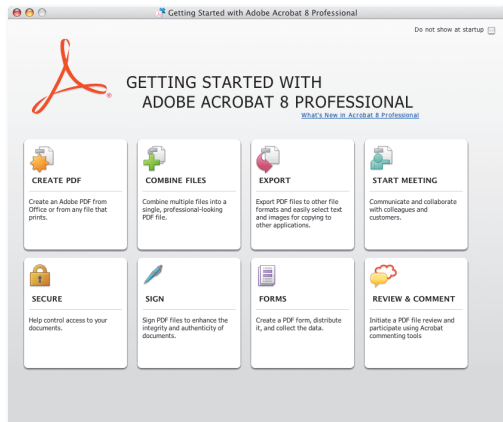Review of new features introduced in Acrobat 8.0

- Predominantly focused on collaborative editing
- Secure, shared review and editing of documents
- Online collaboration via Acrobat Connect
- Use in engineering and design
- Improved performance and support for AutoCAD
- 3D CAD now requires special version
- New, intuitive user interface

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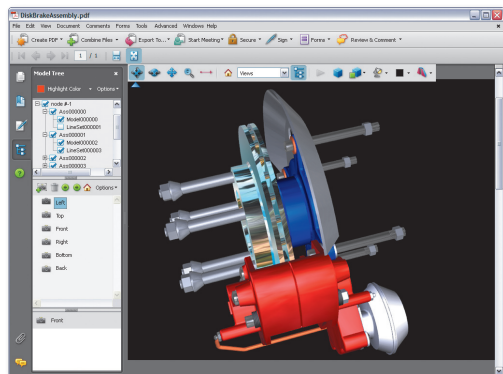
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Convert 3D designs from major CAD applications to PDF documents for use by extended teams without expensive CAD or viewer software	●			
Insert 3D CAD designs into Microsoft Word, Excel, and PowerPoint documents and convert the files to PDF	●			
Create rich, interactive documents with 3D content: Add materials, create exploded views, edit lighting, and save as 3D objects or 2D raster/vector images for use by extended teams	●			
Include PMI* data with 3D designs in PDF documents for use by extended teams	●			
Export exact geometry data from PDF into standard 3D formats, such as STEP, IGES, and Parasolid, for use in CAM and CAE applications	●			

*Product manufacturing information (PMI) is used to convey information such as geometric dimensioning and tolerancing, annotations, dimensions, and other specifications directly on the 3D model.
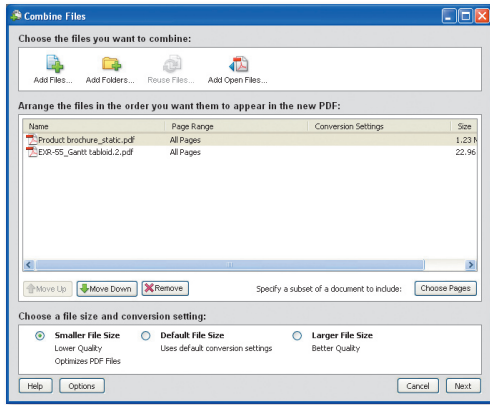
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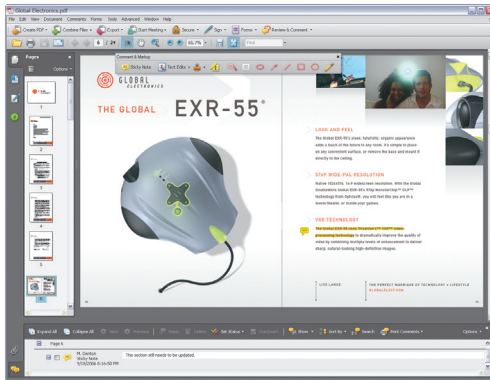
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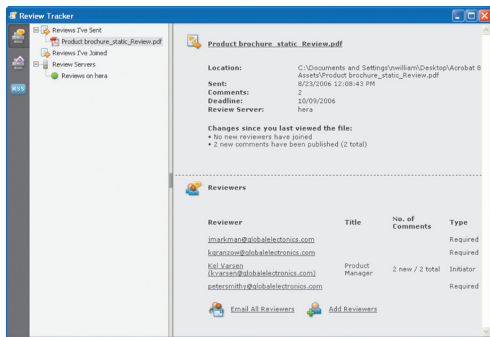
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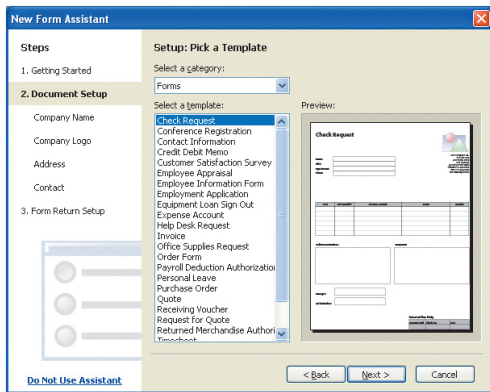|	ACROBAT 3D VERSION 8	ACROBAT 8 PROFESSIONAL	ACROBAT 8 STANDARD	ACROBAT 8 ELEMENTS
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Save backgrounds, watermarks, headers, and footers for easy reuse in the future	●	●	●	
Shrink documents so headers and footers do not run into document content	●	●	●	
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Enable users of free Adobe Reader* software to fully participate in document reviews with complete commenting and markup tools	●	●		
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Easily measure distance, perimeter, and area	●	●	●	
Automatically aggregate comments so they appear together in one PDF file	●	●	●	
Track the status of feedback using review management tools	●	●	●	
Use the comment list summary to easily reconcile comments	●	●	●	
Print summary of document comments	●	●	●	
Sort and filter comments by reviewer	●	●	●	
Format and spell-check comments	●	●	●	
Export comments into Word documents (Windows only)	●	●	●	
Export comments into AutoCAD files (Windows only)	●	●		
Compare two Adobe PDF files side by side to see differences	●	●		

*Requires Adobe Reader 7.0 or 8

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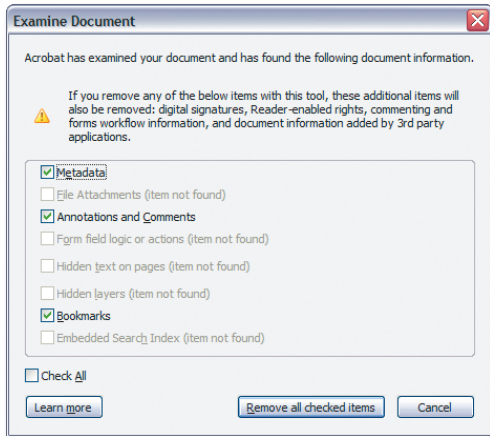
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Apply restrictions on printing, copying, and altering PDF documents	●	●	●	●
Find hidden information, including metadata, annotations, attachments, form fields, layers, and bookmarks, and delete as needed	●	●	●	
Permanently delete sensitive information, including specific text or illustrations, with redaction tools	●	●		
Certify documents using GeoTrust® digital services to verify document authenticity	●	●	●	
Help ensure document authenticity and integrity using digital signatures and public key infrastructure (PKI) technology	●	●	●	
Enable Adobe Reader users to digitally sign PDF documents*	●	●		
Add security policies to protect sensitive information outside your firewall through integration with Adobe LiveCycle® Policy Server software**	●	●	●	

*Requires Adobe Reader 7.0 or 8.
**Available separately.

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Create fillable PDF forms from scanned paper, existing PDF documents, Microsoft Word documents, or Excel spreadsheets	●	●		
Create XML-based PDF forms for intelligent data collection and the distribution of structured information using Adobe LiveCycle Designer (Windows only)	●	●		
Get started quickly with easy-to-use wizards that guide you through forms creation, distribution, and data aggregation	●	●		
Create forms using more than 20 different XML-based templates (Windows only)	●	●		
Import a PDF into LiveCycle Designer as background artwork, preserving the layout and fidelity of the original PDF (Windows only)	●	●		
Compile returned forms into a single PDF package	●	●		
Export form data to a spreadsheet for further analysis, without the need to rekey	●	●		

*For ad-hoc forms distribution and data collection for up to 500 people.
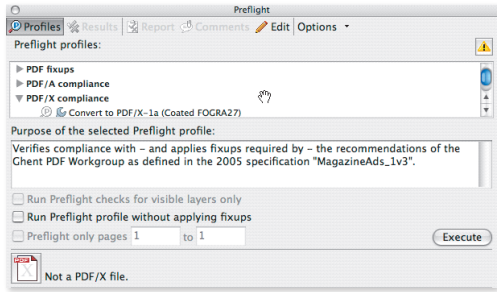
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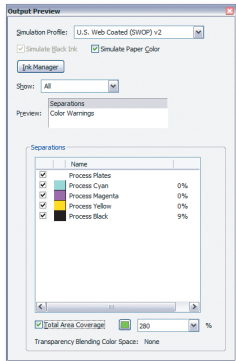
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Overlay watermarks for viewing and printing	●	●		
Print simple booklets	●	●	●	●
Synchronize color settings with Adobe Creative Suite® applications	●	●		
Create and use transparency flattener presets	●	●		
Flatten live transparencies, fix hairline rules, and convert colors to CMYK	●	●		
Print composites and save composite EPS files	●	●		
Preview color separations and transparency flattening	●	●		

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Use the built-in organizer tool to find, sort, and review thumbnails of Adobe PDF documents	●	●	●	
Search Adobe PDF documents to retrieve information quickly • Document metadata search • Text search inside the document	●	●	●	●
Create PDF/A standard files	●	●	●	
Validate that documents are compliant with the PDF/A standard archive format	●	●		
Catalog and build indexes of documents	●	●		
Embed indexes within a PDF file	●	●	●	

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Make PDF documents more accessible by adding tags to control reading order and improve navigation	●	●	●	
Customize accessibility preferences with an easy-to-use wizard	●	●	●	●
Check a document for possible accessibility problems	●	●		
Set high-contrast colors for better visibility	●	●	●	●
Enable large-type display by setting text to reflow through pages	●	●	●	●
Provide a reading order for pages or columns of text	●	●		

New feature in Acrobat 8.0 of interest to JACoW

- Find, manage, delete hidden information

PDF Specification for IEEE Xplore

- Version 4.01A − February 2007
- Update of 4.01 − November 2006
- Outlines Adobe Acrobat Distiller 8.x settings
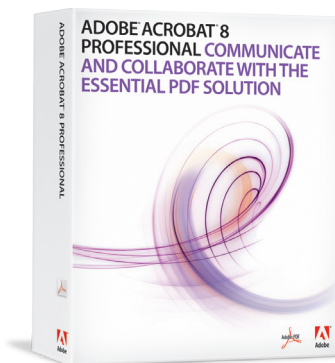- Addresses PitStop features

Conclusions

A few new features of interest to JACoW

More research needs to be done

Need to determine Distiller settings before PAC07

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Scan paper documents with OCR technology to create compact, searchable Adobe PDF documents.

Convert e-mail to Adobe PDF files
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Convert web pages to Adobe PDF documents to easily print, archive, mark up, or share them. (Windows only)

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Regenerate a combined Adobe PDF document after any of its source files have been revised, without having to locate and gather the native files again.

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Combine files from multiple applications into a single PDF document	•	•
Conduct shared document reviews that allow review participants to see one another's comments	•	•
Protect PDF documents with passwords and 128-bit encryption	•	•
Enable Adobe Reader[1] users to participate in document reviews, digitally sign documents and fill and save PDF forms[2]		•
Create PDF documents with one-button ease from AutoCAD, Microsoft Visio, and Microsoft Project (Windows only)		•
Quickly and easily create high-quality, compact PDF files from AutoCAD designs that preserve layers, scale, page layout, and page size (Windows only)		•
Create advanced Adobe PDF forms with included Adobe LiveCycle Designer software (Windows only)		•

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