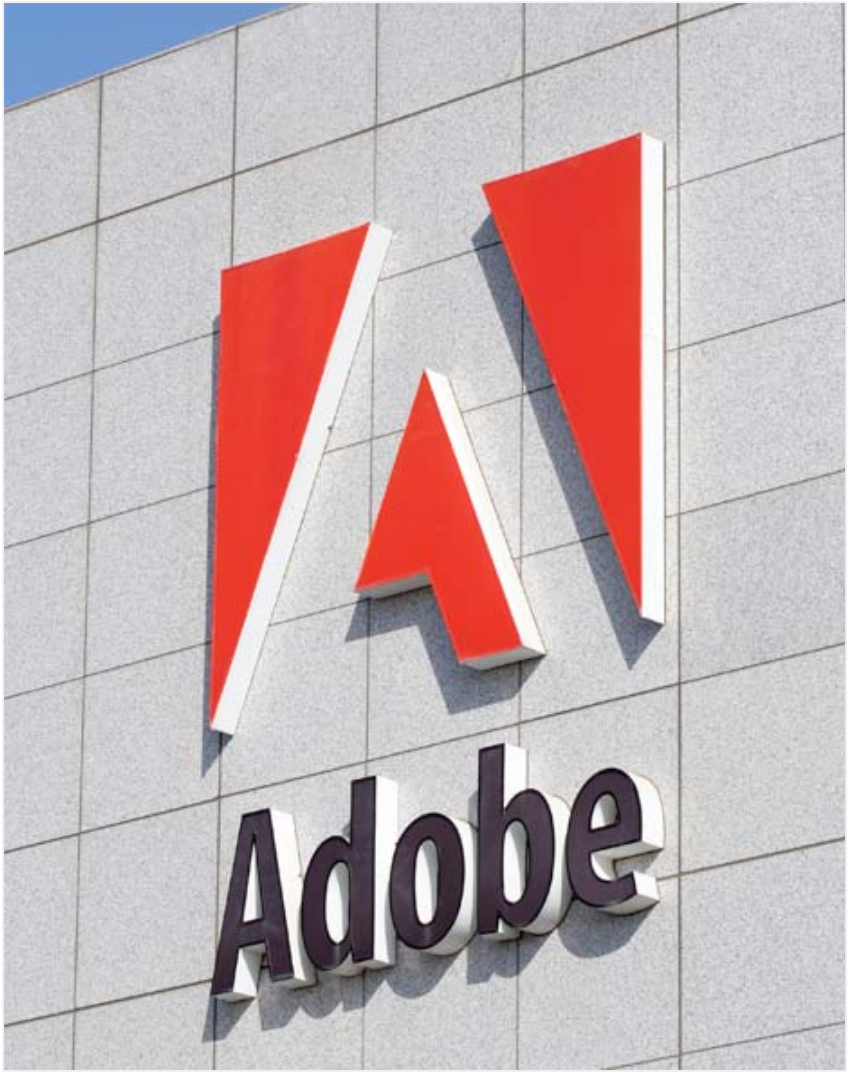
Document Formats and Image Formats

James C. King
PDF Architect/Senior Principal Scientist
Advanced Technology Laboratory
Adobe Systems Incorporated



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Outline

- Some Fundamentals
- PDF Documents
- PDF Pages
- Synthesized Pages versus Scanned Pages
- PDF and JPEG2000
- PDF and ISO Standards

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Some Fundamentals

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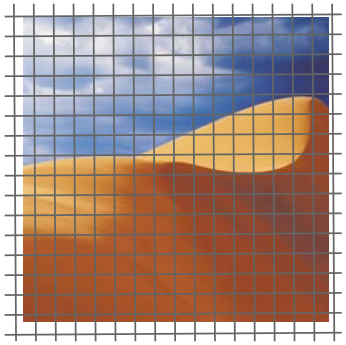
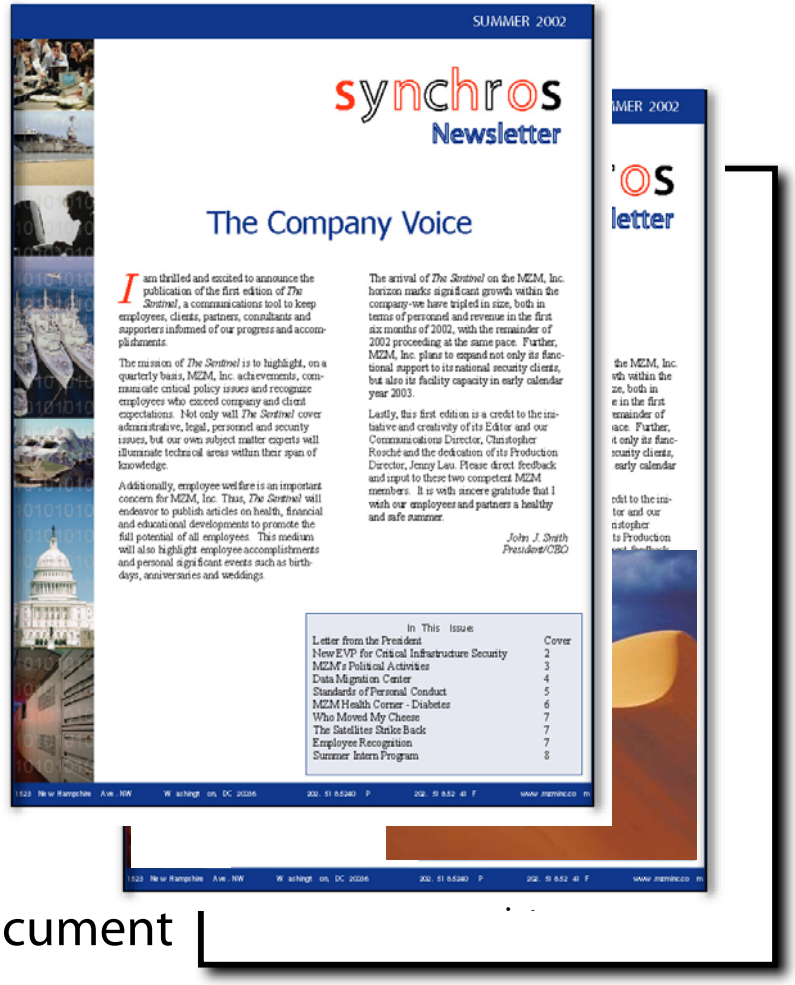
Image Formats versus Document Formats



"Sampled" Image
(e.g., JPEG2000)



Multi-page Compound Document
(e.g., PDF)

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PDF: Multi-page Compound Documents

- A Comprehensive Format for Representing Documents and Forms
  - Page contents
  - Images
  - Graphics
  - Fonts
  - Colorspaces
  - Metadata
  - Annotations
  - Links
  - Digital signatures
  - <and more>
- Not an image format like TIFF or JPEG
- High fidelity, high precision text layout and graphics features
- Platform and device independent definition
- Selective compression to reduce file size (e.g., image formats)
- Color Management (ICC support)

PDF 1.0 in 1993 … PDF 1.7 in 2006. Many enhancements!

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Composite Documents

SUMMER 2002

synchros
Newsletter

The Company Voice

I am thrilled and excited to announce the publication of the first edition of *The Sentinel*, a communications tool to keep employees, clients, partners, consultants and supporters informed of our progress and accomplishments.

The mission of *The Sentinel* is to highlight, on a quarterly basis, MZM, Inc. achievements, communicate critical policy issues and recognize employees who exceed company and client expectations. Not only will *The Sentinel* cover administrative, legal, personnel and security issues, but our own subject matter experts will illuminate technical areas within their span of knowledge.

Additionally, employee welfare is an important concern for MZM, Inc. Thus, *The Sentinel* will endeavor to publish articles on health, financial and educational developments to promote the full potential of all employees. This medium will also highlight employee accomplishments and personal significant events such as birthdays, anniversaries and weddings.

The arrival of *The Sentinel* on the MZM, Inc. horizon marks significant growth within the company-we have tripled in size, both in terms of personnel and revenue in the first six months of 2002, with the remainder of 2002 proceeding at the same pace. Further, MZM, Inc. plans to expand not only its functional support to its national security clients, but also its facility capacity in early calendar year 2003.

Lastly, this first edition is a credit to the initiative and creativity of its Editor and our Communications Director, Christopher Rosché and the dedication of its Production Director, Jenny Lau. Please direct feedback and input to these two competent MZM members. It is with sincere gratitude that I wish our employees and partners a healthy and safe summer.

John J. Smith
President/CEO

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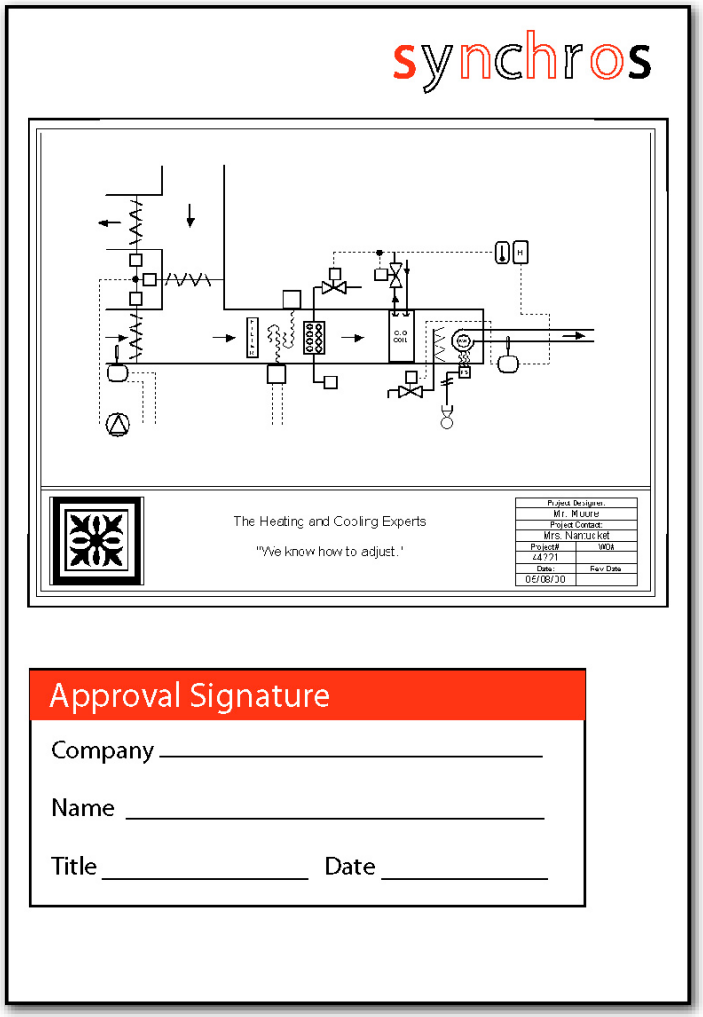

synchros

The Heating and Cooling Experts

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Project Designer:	
Mr. Moore	
Project Contact:	
Mrs. Nantucket	
Project#	WO#
4771	
Date:	Rev Date
06/08/30	

Approval Signature

Company _____

Name _____

Title _____ Date _____

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