Update on Scanning

Presented at the eRA Project Team Meeting of Tuesday, December 11, 2001



Overview

- The People
- The Quotes
- The Rules
- The Process
- The Vision
- New Business Practices



The People

PR Man:

Steve Hausman (i.e. Group Advocate)

The Ones Who Actually Do the Work:

- Mike Cox
- Dave Carter

The Steering Committee:

Aisquith, Jeff Bradley, Eileen Cain, Jim Diggs, Gene Fisher, Suzanne Fitzgerald, Steve Hagan, Ann Hahn, Marcia Hausman, Steve Kelty, Miriam Lewis, Marguerite Liberman, Ellen Lovelace, Debbie Lowman, Chris McGowan, John (JJ) Milman, Gregory Onken, James Panniers, Richard Richters, John Ruiz Bravo, Norka Sommers, David Srinivas, Ranga V. (RV) Stanfield, Brent Streufert, Susan Swidersky, Chris Swidersky, Scott Vener, Kirt.....



The Quotes

- When the only tool you have is a hammer, there seem to be a lot of nails around
 - Traditional proverb
- The times they are a changin'
 - Robert Zimmerman
 - (aka Bob Dylan)



The Rules

Rule #1 - We are currently, and will continue to be, in a state of transition for the forseeable future.

Rule #2 - Transitions are hell.



What is Scanning

- Scanning, in its simplest form, is the conversion of a paper document in to an electronic image.
- This image may have additional features added, such as optical character reading, bookmarkmarking and hyperlinking





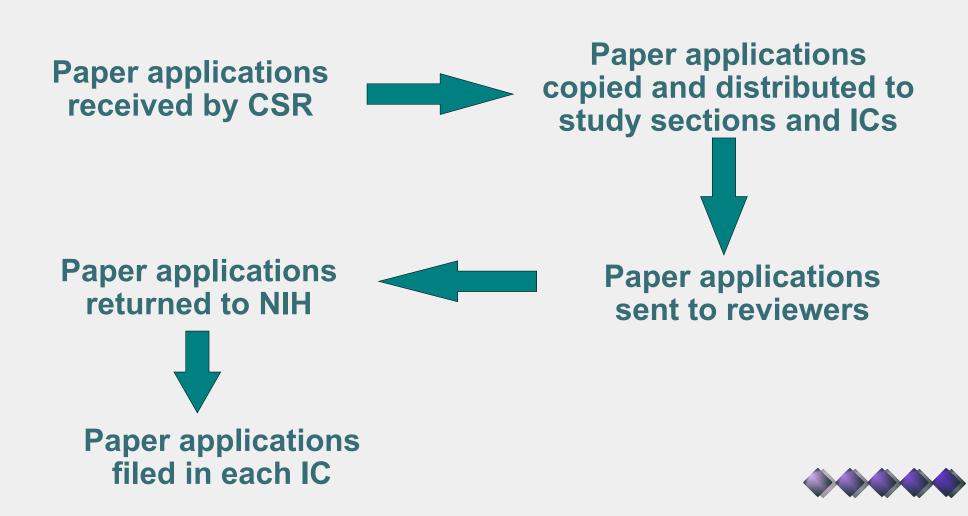
Scanning saves paper

 One CD versus boxes of paper

 Scanning enables rapid transmission
 Scanning facilitates storage
 Platform independent



The Current Process for Applications

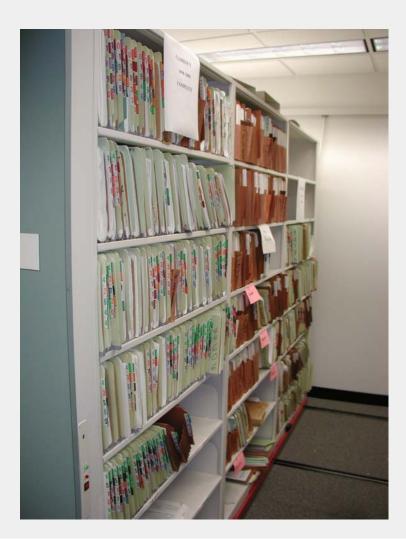


One Result of the Current Process: The Paper Intensive Office





Another Result of the Current Process





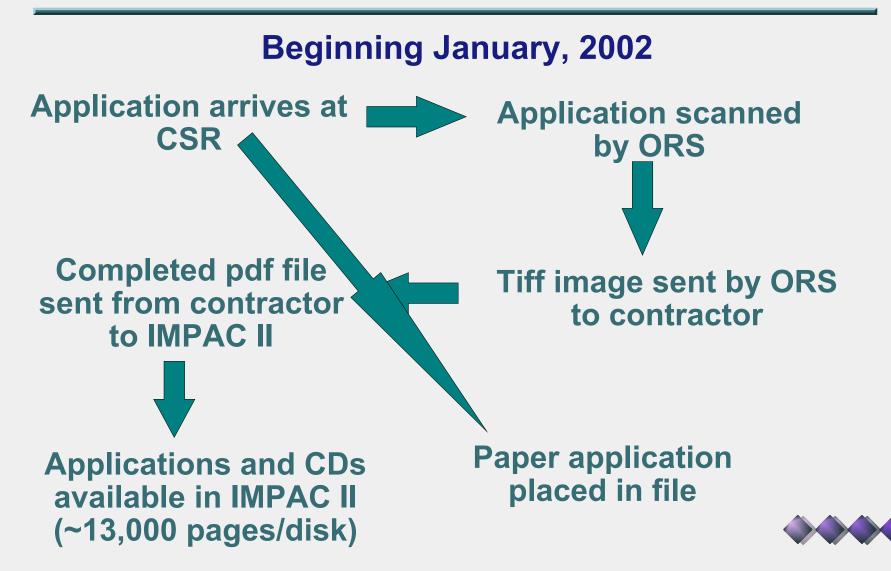
What We Can Expect? - 1

Beginning Calendar 2002

- Scanning as an interim solution to electronic application submission
- All applications arriving at NIH in CSR will be scanned, captured, bookmarked and searchable
- CDs will be provided for review purposes (ordered via IMPAC II)
- All pdf images viewable in IMPAC II

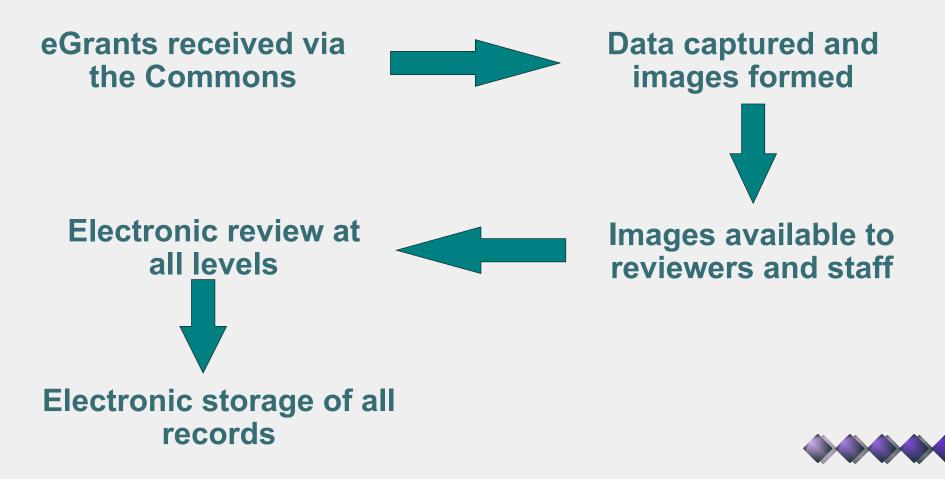


The Intermediate Process for Applications

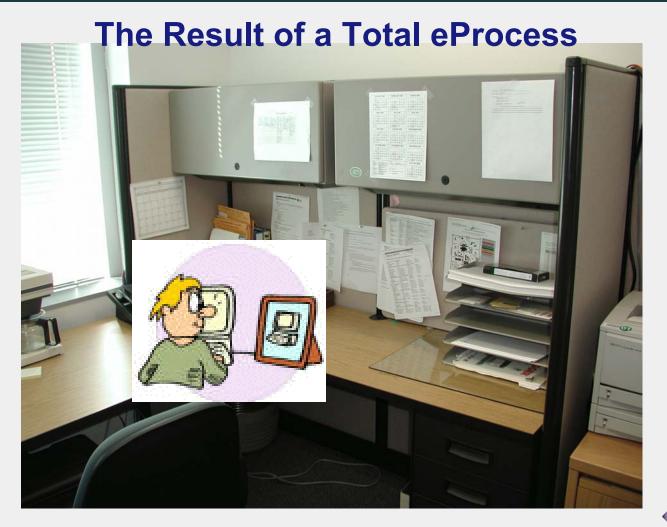


The Future Process for Grant Applications

Beginning 2003



Changing Business Practices for eGrants





Changing eBusiness Practices

- The ability to work with images instead of paper can affect greatly the way we do business
- Many questions and issues, but perhaps not so many answers



- What are we doing to prepare for e-Business?
 - Short Term
 - Long Term
- •What should we do with our paper files?

Should standards be set for eFiles for the ICs?

Should files be stored in the IC or the enterprise?

At least for legacy applications



- What are the archival issues involved?
 Record retention
- What do we do with old files (i.e. disposal?
- What about items that come in apart from the application?
 - Letters and other correspondence
 - E-mail
 - Phone messages



- Which items are "FOlable?"
 - How do we redact from eFiles?
- What are the issues related to "shadow" files maintained by program staff?
- What are the issues related to file stability and format? (The "8-track dilemma.")
- What are the issues related to image quality?



- Should all applications be placed on a website?
 - Bandwidth Issues
 - Connection Speed Issues
- Should the NIH continue to be a paper environment?
- Apart from grants, what are the document management issues?
- Who pays for all of this stuff???





- For applications, how do we handle Conflicts of Interest?
 - Digital Rights Management
- Do program staff get CDs?
- Can applications be eliminated from the grants folder and stored centrally instead?
- What are the training requirements for staff?
 - i.e., burning CDs



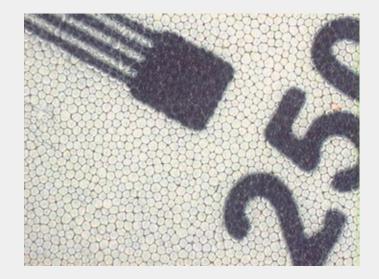
- Can we use eBooks?
 - Size and weight of hardbacks
 - Near Print-quality display
 - Very large capacity possible
- Use of Instructional CDs?
- Organic Light Emitting Diodes?
 - Very bright; wide viewing angle
 - Long life
 - Very thin; flexible
 - Extremely high resolution
 - Can handle video display



Using Digital Paper

 Electronically addressable paper-page displays that use real paper substrates

Simulation of the motion of a pixel



Reversible paper demo



What Can We Expect? - 2

- Given the new tools that are available, what can be done to enhance, streamline and otherwise modify our work procedures?
- What will we be able to do in the future that we cannot do now?
 - Sharing (& group editing) Documents
 - Electronic Stapling
 - On-line Editing
 - ► eForms



One New Tool: The H-P Digital Sender



- Compact Size
- Converts paper to pdf image
- Connected to the Internet
- Documents can be scanned, filed, stored and sent





DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

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November 23, 2001

To: EPMC Members

From: Group Advocate for Scanning

Subject: Scan, Scan, Scan

We know that scanning will become more commonplace in the coming years. There are a lot of questions in this regard.

- Are we prepared to deal with it?
- Do we know the pros and cons?
- How much will it cost?
- · Should we convert our files to electronic format?
- What do we do with the old files?
- Who will pay for all of this?

These questions and more will be discussed at an upcoming EPMC meeting.

Steven J Hausman, Ph.D. Deputy Director, NIAMS





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Changing Business Practices for eGrants

The EPA/FDA Story

The EPA wishes to establish a standard for electronic records the are kept to comply with the laws in related to electronic administerelă records? EPA records, however, need not be stored electronically. But, like the FDA, anything that was ever on a computer is considered to be an electronic record.



NIH eRecords Issues

Technology Cost Tobacco Consistency/Uniformity abitigation! Archiving The Records Control Schedule Legal Issues



Changing Business Practices for eGrants

And now a demo...

