

Removing Barriers to the Electronic Transition: A Bechtel Hanford, Inc. (BHI) Case Study



United States Department of Energy
**Scientific and Technical
Information Program**

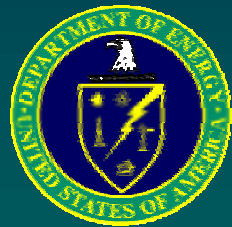
November 3-4, 1999
Las Vegas, Nevada

Chris Forbes, Manager,
Publication and Graphic Services
BHI

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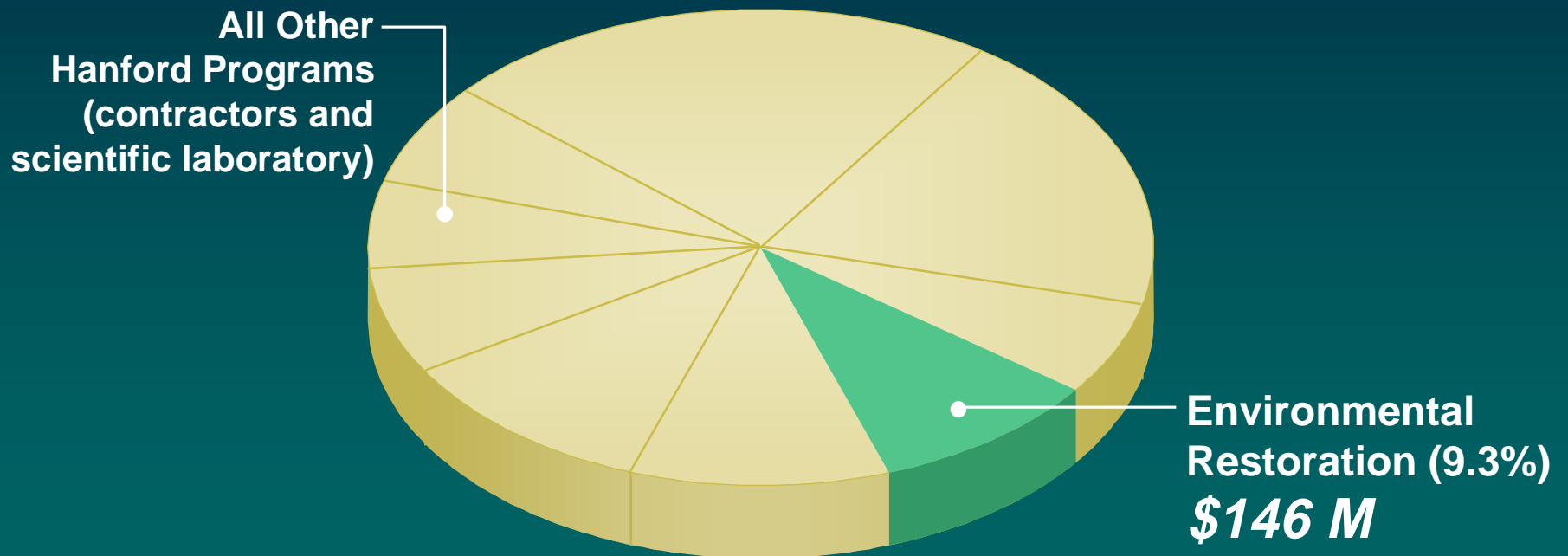
Bechtel Hanford, Inc.
Environmental Restoration Contractor



Department of Energy
Richland Environmental Restoration Program

FY99 Hanford Budget

\$1,566 Million



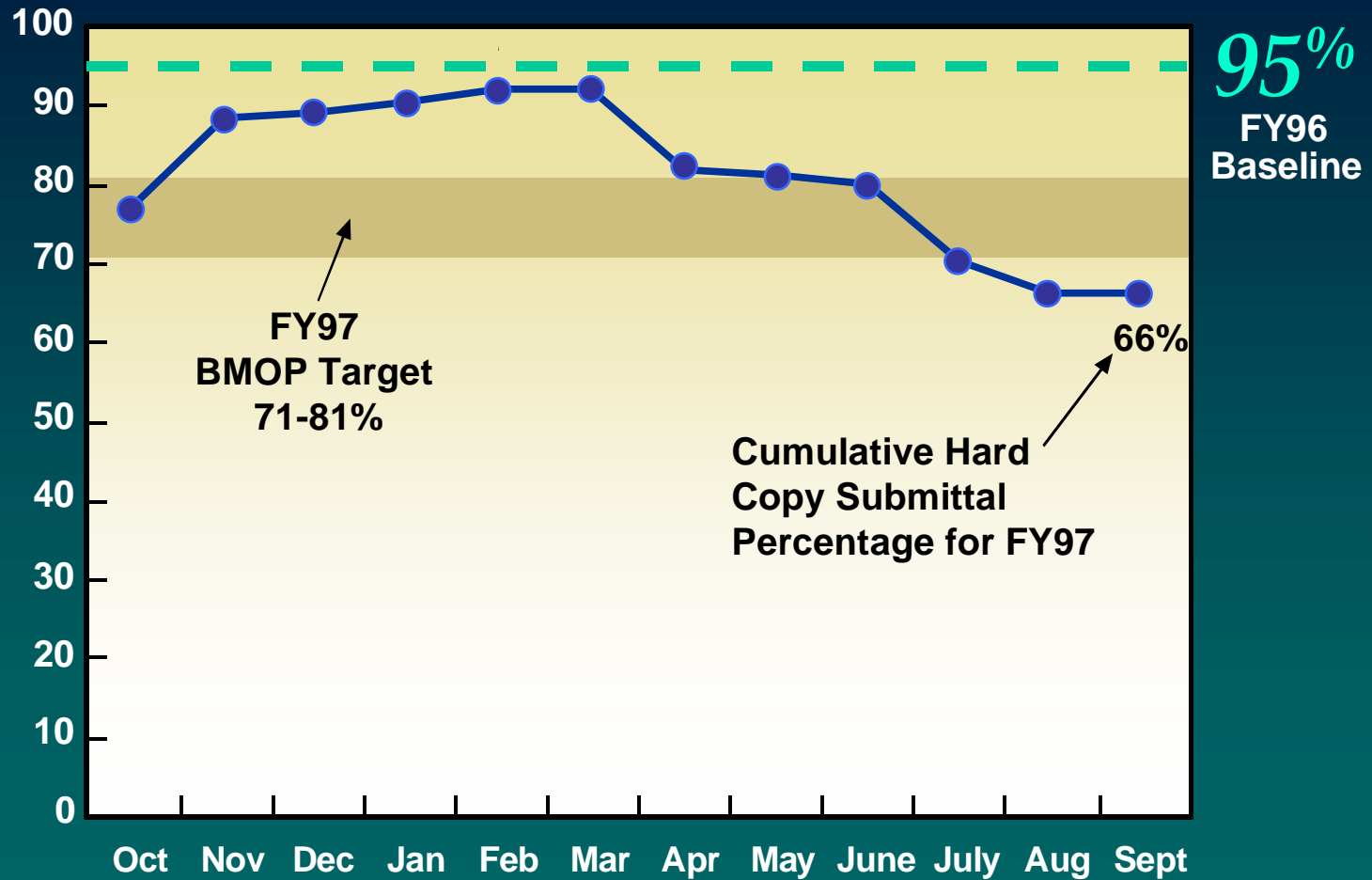
Publication and Graphic Services

- Graphic design and technical illustrations
- Printing and duplicating
- Technical publications (technical editing and writing)
- Word processing
- Responsible for BHI management of STI in conjunction with Document and Information Services (DIS)

Background

- BHI (through P&GS) has aggressively pursued implementation of electronic processes for managing STI since FY97.
 - Goal: Decrease amount of hard copy distribution, and improve STI management efficiency
- Various drivers for improved/electronic processes:
 - BHI performance measures
 - Business Management Oversight Process (BMOP) criteria
 - New technologies (software and hardware applications)

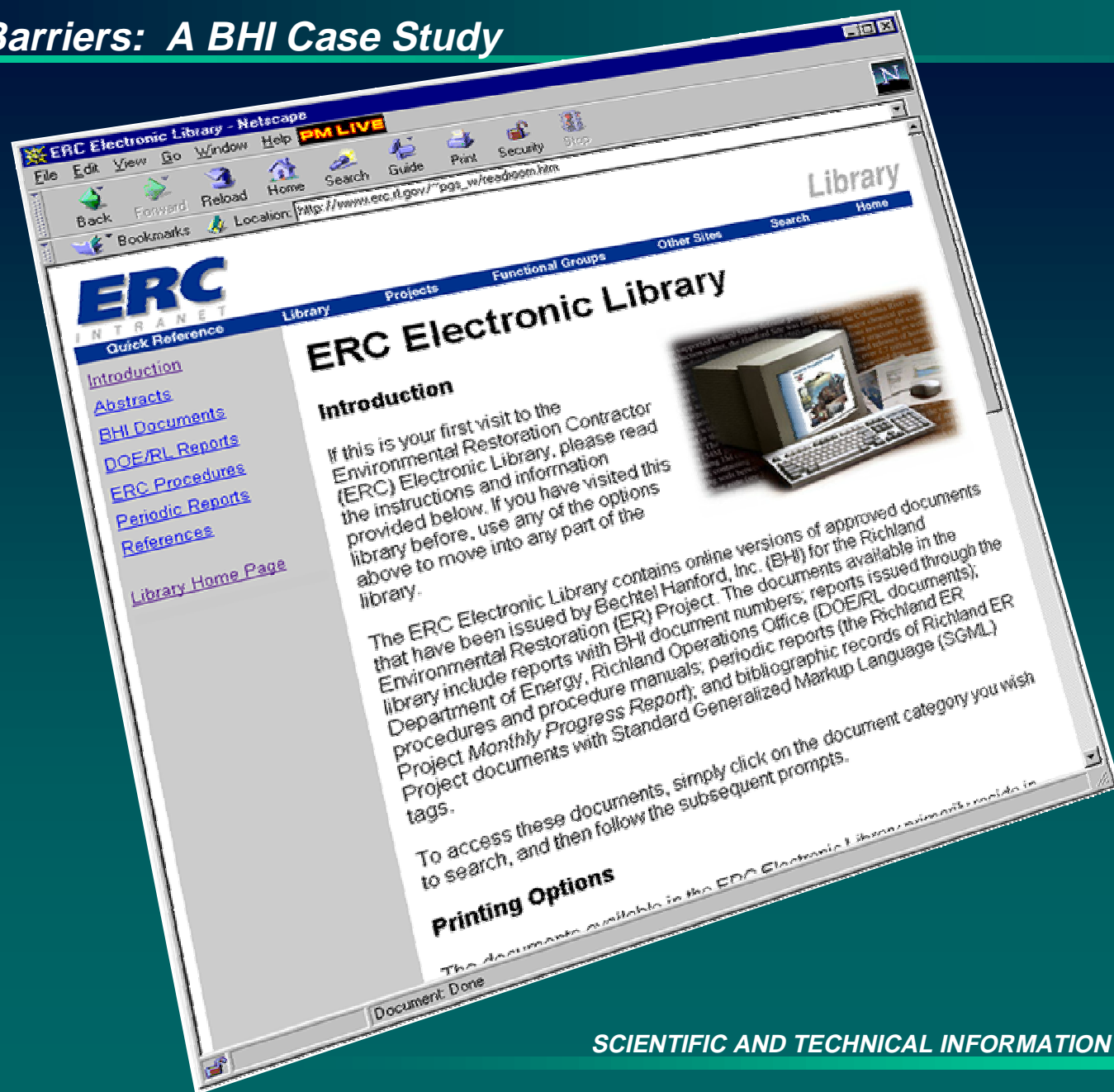
Decreasing Hard Copy Distribution - FY97



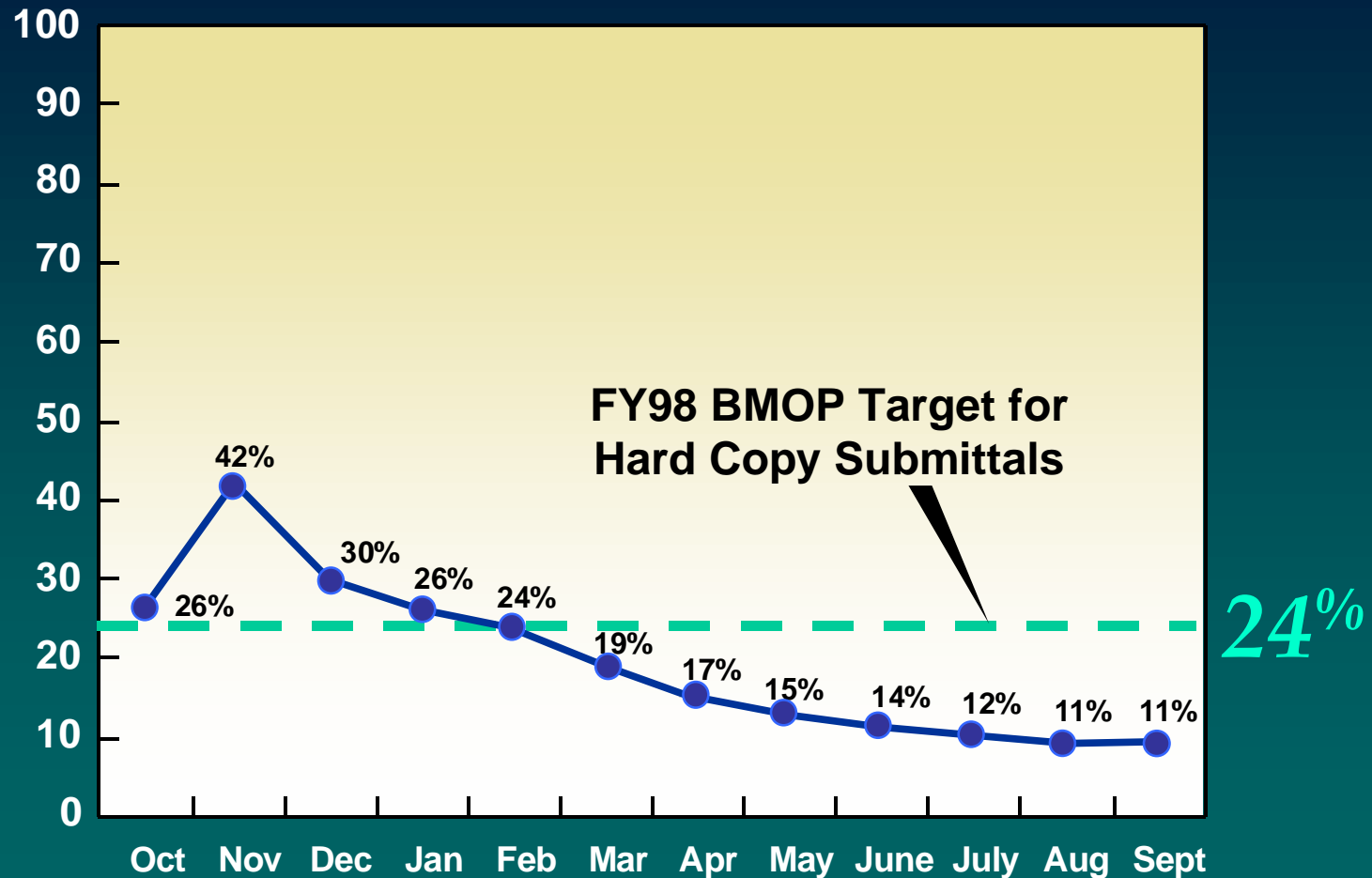
Elements Assisting STI Progress in FY97

- Began electronic bibliographic transmittals to OSTI
 - Modified SRS FoxPro database
- Implemented BHI electronic library on intranet web site
- Initiated use of BHI electronic document management system (EDMS) as process step in STI management
- Experimented with STI management in HTML, PDF, TIFF, and SGML formats

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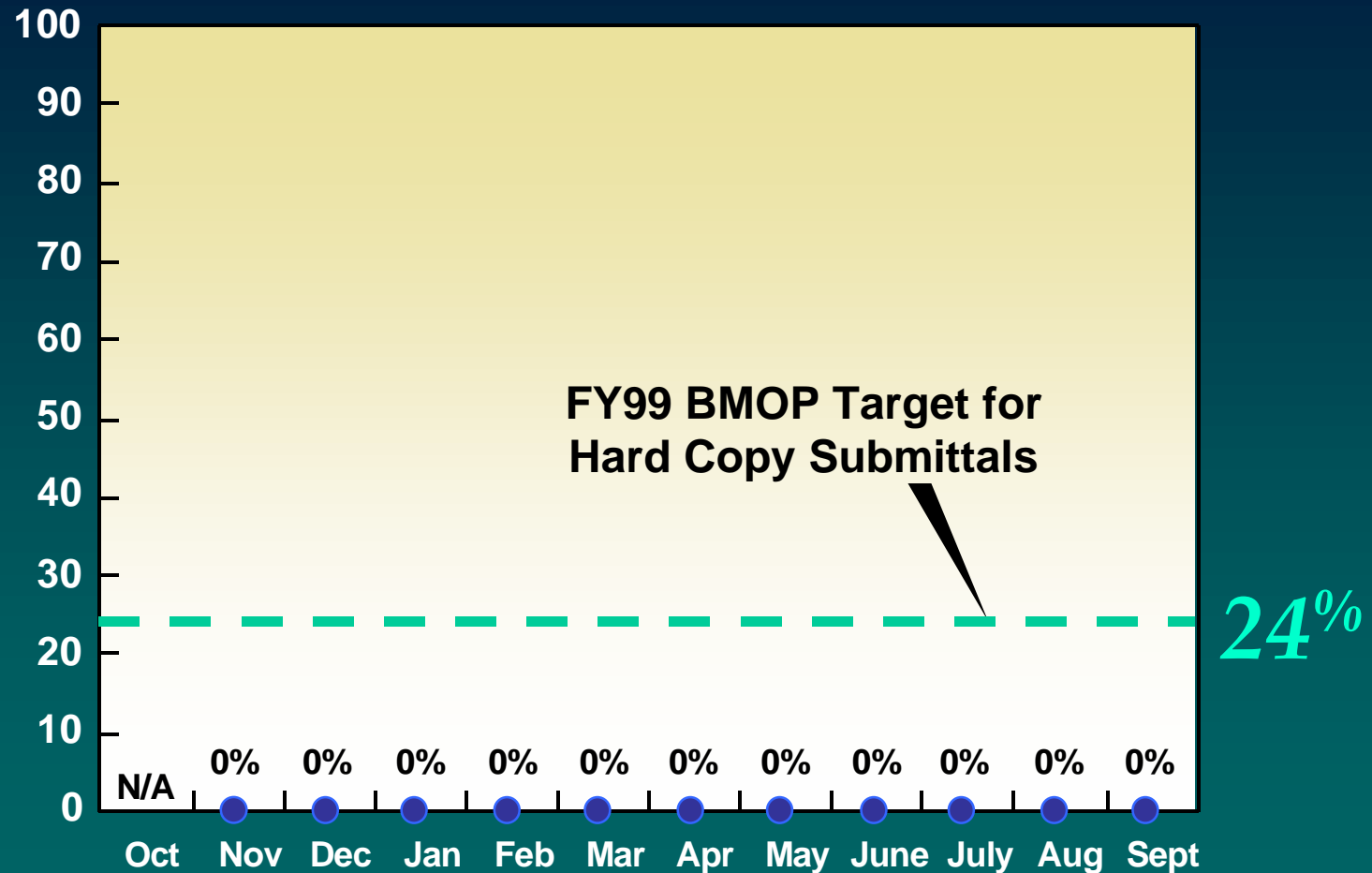
Decreasing Hard Copy Distribution - FY98



Elements Assisting STI Progress in FY98

- Increased reliance on electronic library for STI dissemination
 - Library added to internet web site
- Upgraded software/scanners to support PDF conversion of files from 1) customers; 2) DIS
- SGML eliminated as electronic file management option
 - Reliance on HTML, PDF, TIFF
- Close interaction with OSTI in Federated Collections pilot program

Decreasing Hard Copy Distribution - FY99



Elements Assisting STI Progress in FY99

- Ability to implement “lessons learned” from FY96-FY98
- Decision to focus primarily on PDF as basis for electronic STI
 - PDF functionality equal to (or better than) HTML
- DIS acceptance of PDF as “native” format for EDMS
- Proven success of intranet/internet electronic libraries

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Example of Metadata Record

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The BHI Process for Electronic Management of ER Project STI

