



Bureau IT Issues Presentation for ITAC.

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Enterprise Initiatives

- Rooted in Federal IT Reform
- External Pressure from OMB, Cobell, Financial Audit
- Emphasis on Security
- Emphasis on Life Cycle Costs
 - Consolidation, Standardization & Economies of Scale
- Tools are:
 - DOI Enterprise Architecture Teams
 - Enterprise Purchases
 - IT Capital Planning (OMB 300 Process)
 - DOI Studies (Contracted and Bureau-led)

Bureau IT Issues

- DOI FY04 Budget Cuts
- ITMR Study
 - Consolidate Email, Network, Web Servers and Help Desk Services
- The DOI Hardware Freeze and Mass Purchase Program
- The Network Security Project
- The Microsoft Enterprise Agreement
- The Active Directory Implementation
- DOI Secretarial Order
- IT Outsourcing

FY04 Budget Cuts

- **OMB - Sweeping IT Cuts to All Federal Departments**
 - **EPA - \$300M, DOD - \$2.2B, DOI-\$166M**
 - **Unclear Basis for the Cuts**
 - **Cuts Not Tied to OMB 300 Process**
- **Total of \$166M in Cuts for DOI**
 - **\$100M in Specific Program Cuts**
 - **National Map, Advanced Seismic Network**
 - **\$66M in Non-Specific Program Cuts**
 - **USGS Receives \$12.2M in Non-Specific Cuts**
 - **Some Funding May be Restored by Congress**

ITMR Study

- **IT Management Reform Study**
 - **DOI Contract with Meta, Inc.**
 - **Follow-On Contract with SAIC, Inc.**
 - **Follow-On Contract with G&B Solutions, Inc.**
- **Apply Best Practices and Benchmarks to DOI IT**
 - **Count Work Stations, Support Staff, Investments**
 - **Draw Conclusions, Make Reform Recommendations**
- **Update: Current Validated Recommendations**
 - **Consolidate Email, Network, Web Servers and Help Desk Services**

Hardware Freeze & Mass Purchase Program

- **Goal: Achieve Savings via Economies of Scale**
- **Plan:**
 - 1) **Freeze Purchases of High Volume IT Hardware**
 - 2) **Charter Architecture Platforms Team to Develop Specifications**
 - 3) **Charter Acquisition Team to Develop Contract Strategy**
 - 4) **Compete and Award Contract**
 - 5) **Expand Contract Over Time**
- **Emergency Waiver Process**
- **Exclusions**

IT Security Drivers

- Federal IT Security Reform
- KPMG Audit
- IG Security Audit
- COBELL
- Secretarial Order
- DOI Memo's
- DOI Perimeter Security Standard
- 2004 OMB Passback
- IT Network Security Scorecard

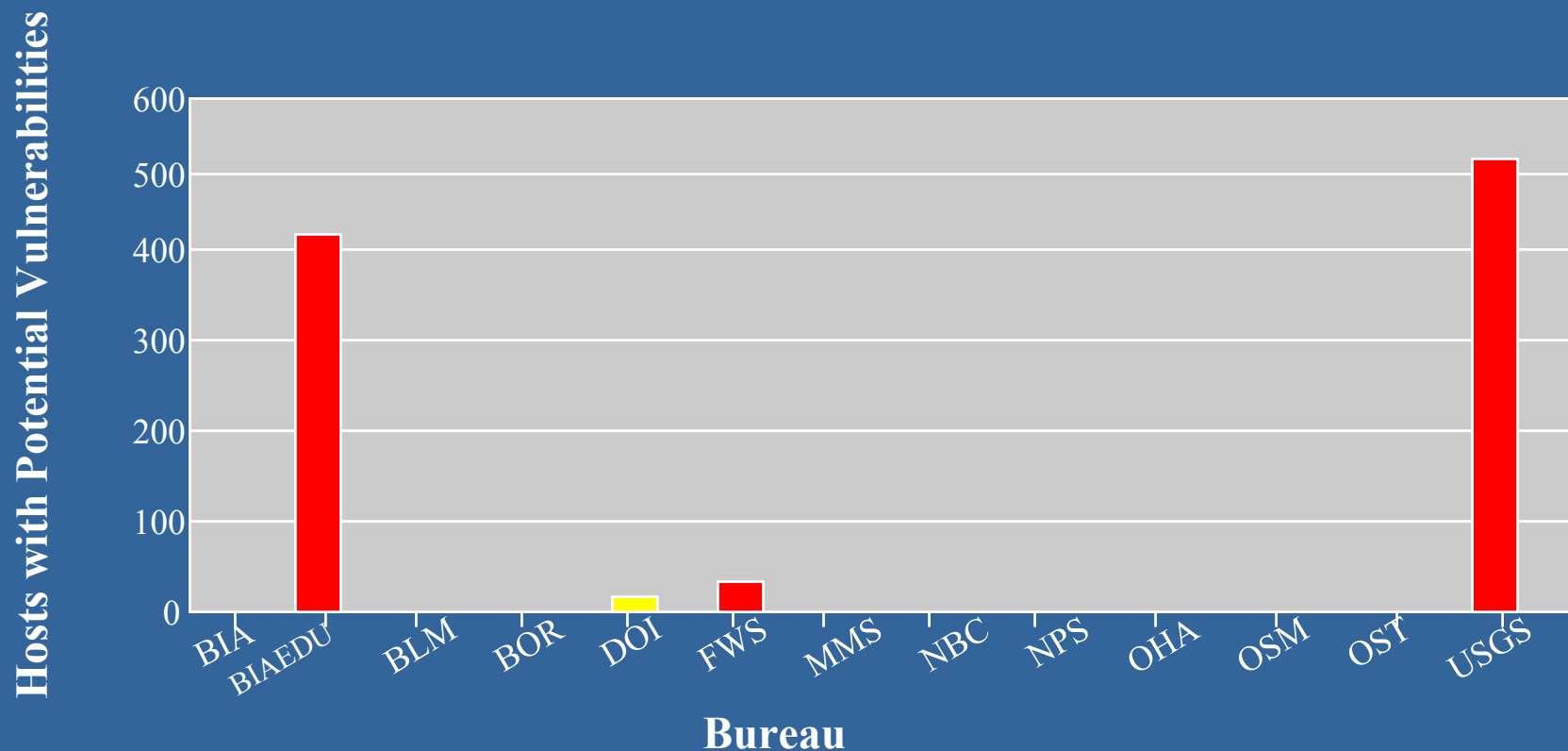
Network Vulnerability Score Card

Department of the Interior

Potential Network Vulnerabilities – Monthly Trend							
	December	January	February	March	April	May	June
BIA	1						
BIAEDU	432						
BLM	1						
BOR	0						
DOI	9						
FWS	25						
MMS	0						
NBC	0						
NPS	0						
OHA	0						
OSM	1						
OST	0						
USGS	505						
TOTALS	973						
0=Green, 1-10=Yellow, > 10 Red							

Network Vulnerability Score Card

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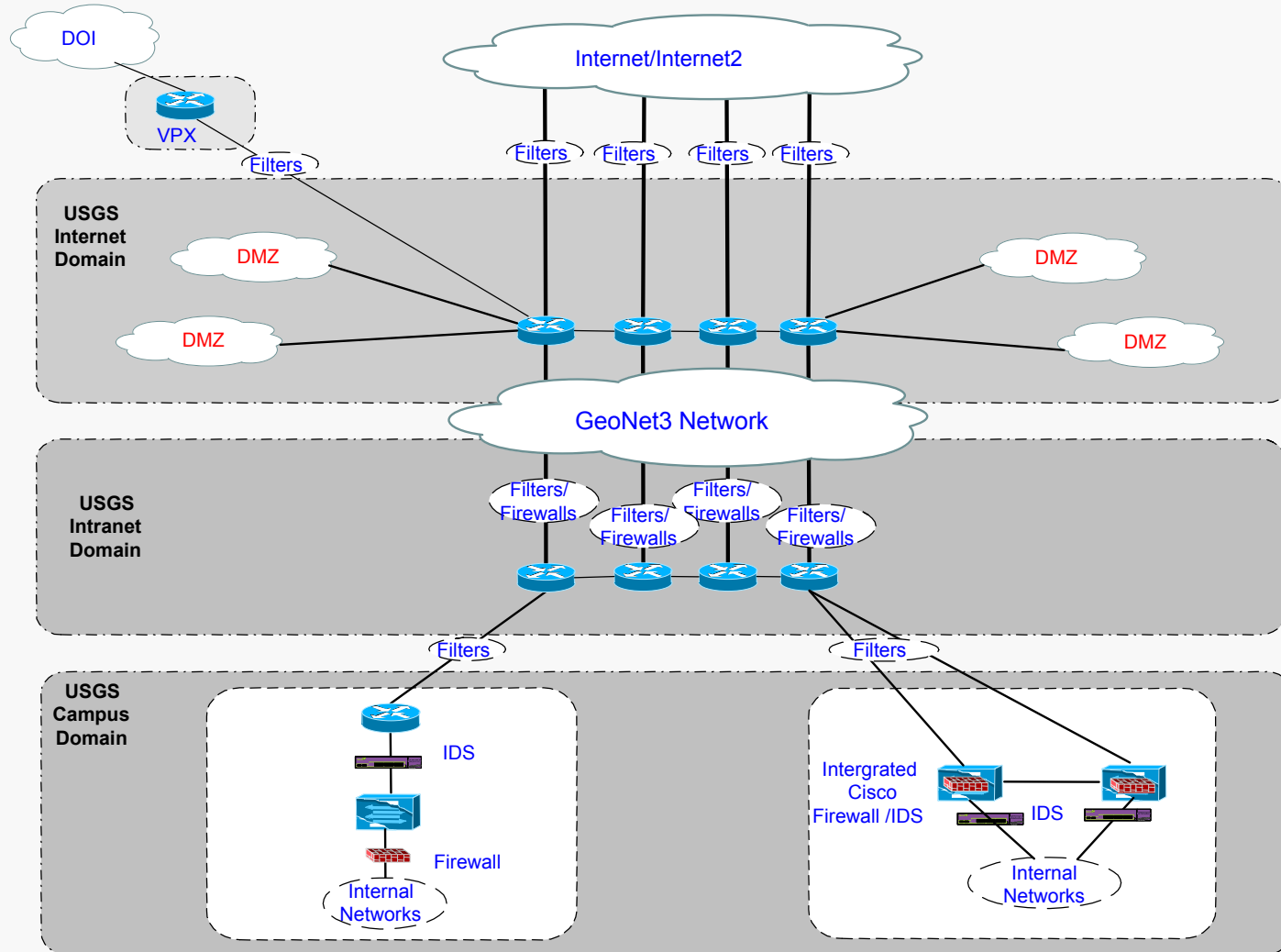
The Network Security Project

- Project Spawned as a result of mandates coming from DOI emanating from the Cobell Case (July Findings).
- Temporary Project Manager named in August.
- Temporary Team formed in September (120 day detail).
- Team Chartered to:
 - Comply with mandates where feasible with existing resources,
 - Develop plan for Network Perimeter Security, and
 - Develop long-term plan for Sustained Operational Security

Network Security Project Plan

- Secure and Patch Vulnerable Servers
- Design, Procure, Prototype & Implement Security Domains (Firewalls, Routers, Filters)
- Build DMZs and Separate Publicly Accessible Servers
- Consolidate Web and FTP Servers
- Upgrade Network Circuits Where Necessary
- Populate Network Inventory Database
- Provide Network Security Training and Field Support
- Obtain OMB Circular A130 Accreditation

USGS Proposed Architecture



Network Security Project Summary

- **Mandated**
- **Requires an Investment**
- **Won't Prevent Offices from Functioning**
- **Makes Good Business Sense**
 - **Reduced Risk**
 - **Improved Data Integrity**
 - **Driver for Consolidation Savings**
- **Improves USGS Posture as Provider of Reliable Science Data**

Microsoft Enterprise Agreement

- 3-Year Agreement
- Core Microsoft Software
 - Desktop
 - Server
 - Office Automation
 - Asset Management
- Paul Exter is Bureau Representative
- The Geographic Information Website is:
www.usgs.gov/gio/enterpriseagreement

The Active Directory Implementation

- DOI-Wide Directory Service (users, offices, devices)
- Foundation for Common Infrastructure & Practices
 - Asset Management
 - User Authentication
 - Password Management
- DOI Goal: Single Forest 11 Domain Architecture
- DOI Core Team Chartered with Bureau Reps & Sub-Teams
 - Infrastructure, Process and Procedures, Implementation, Desktop and Network Sub-Teams
- Originally Proposed Aggressive Schedule
- Recently Revised Due to Network Constraints

DOI Secretarial Order

- Gives Authority to Department CIO to Approve IT Investments via the IT Capital Planning Process.
- Standardizes DOI CIO Organizations and Functions
 - IT Investment Management
 - IT Security
 - Telecommunications
 - IT Career Management
 - IT Acquisition Management
 - IT Project Management
- Mandates that all Bureaus Develop an IT Capital Planning Process.

IT Outsourcing

- **Definition of “Inherently Governmental”**
 - **Former A76 Process**
 - **Current Competitive Sourcing Initiative**
- **FY03**
 - **Warehouses**
 - **Building and Grounds**
- **FY04**
 - **Libraries**
 - **Publications**
- **FY05**
 - **Information Technology?**