

Federal Information Security Management Act: A Perspective

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INFORMATION SECURITY AND PRIVACY ADVISORY BOARD

IG Panel

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National Science Foundation Agency Overview

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- **\$ 6.6B in Research and Education Grants in 2010**
- **Over 40,000 requests for funding via electronic submission – intellectual property**
- **FISMA review is contracted to CPA firm**
- **2010 FISMA OIG report scores:**
 - ✦ 10 questions: A
 - ✦ 1 question: B

NSF Information Systems

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14 NSF systems and 3 contractor systems

- Awards, Ejacket, FASTLANE, Research.gov
- BIIS – Budget Internet Information System
- FAS, ITAS, UPM – User Profile
- NSF Network, NSF Website
- PARS- Proposal, PI & Reviewer
- PIMS - Program Management Information System
- SESTAT – Scientists & Engineers Statistical System
- WEbCasper – Science Policy Database
- USAP Enterprise: Business, Operation, Network

FISMA Framework

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OMB

Cyberscope

Privacy FISMA Report
(Sept 30)

Cyberscope
10 questions
PII in nature

CIO FISMA Report
(Sept 30)

Plan of Actions and Milestones (POA&M)

Cyberscope
31 questions

POAM findings from
NSF Continuous Monitoring
OIG IT audit
FISMA
Fin Stmt (IT)

OIG FISMA Report
(Sept 30)

OIG FISMA Narrative Report
(optional)

Cyberscope (11 ?s)

C&A	CM
CIRT	Training
POAM	Remote Access
Access Ctls	Cont Monitoring
DRP	Contractor Systems

Narrative Report
IT Findings tracked A-50

Audited Financial Statement Report
(Sept 30)

Financial reporting
CFO Act
FISCAM
SP 800-53
IT findings tracked A-50

IT work conducted per

FISMA
FISCAM
CFO Act
SP 800-53 (Controls)
SP 800-37 (C&A)

Suggestions

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- Supplement OMB questionnaire with a narrative report
- Ensure FISMA and Financial Statement auditors communicate results to each other
- Ensure questionnaire covers
 - Architecture vulnerabilities
 - Contractor system remediation near end of contract
 - Responses to conditions throughout the year

Questions?

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