Federal Information Security Management Act: A Perspective



INFORMATION SECURITY AND PRIVACY ADVISORY BOARD

IG Panel

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Brett M. Baker, PhD, CPA, CISA Assistant Inspector General for Audit National Science Foundation



National Science Foundation Agency Overview

• \$ 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

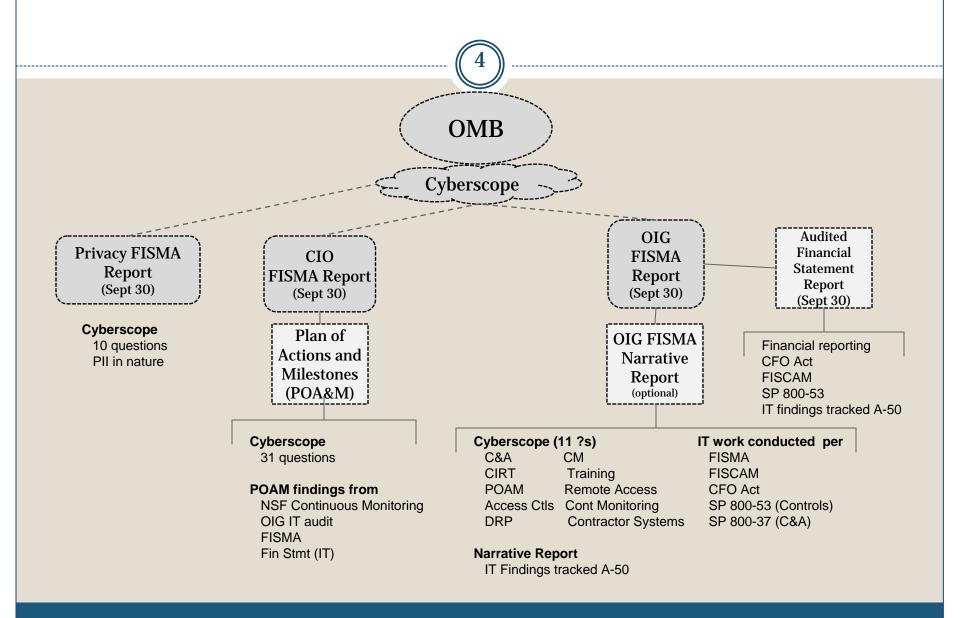
NSF Information Systems



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



Suggestions



- 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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Dr. Brett M. Baker
NSF Assistant Inspector General for Audit
703-292-7100
oig@nsf.gov