Federal Information Security Management Act: A Perspective

INFORMATION SECURITY AND PRIVACY ADVISORY BOARD
IG Panel

March 4, 2011

Brett M. Baker, PhD, CPA, CISA
Assistant Inspector General for Audit
National Science Foundation
<table>
<thead>
<tr>
<th>National Science Foundation Agency Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td>- $6.6B in Research and Education Grants in 2010</td>
</tr>
<tr>
<td>- Over 40,000 requests for funding via electronic submission – intellectual property</td>
</tr>
<tr>
<td>- FISMA review is contracted to CPA firm</td>
</tr>
<tr>
<td>- 2010 FISMA OIG report scores:</td>
</tr>
<tr>
<td>- 10 questions: A</td>
</tr>
<tr>
<td>- 1 question: B</td>
</tr>
</tbody>
</table>
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
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?

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