Centers of Academic Excellence

The Information Security and Privacy Advisory Board (ISPAB)

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3 March 2011
GOAL: Raise the bar for the nation for Information Assurance

HISTORY: 1999 …first CAEs
  2004 DHS Added as a partner
  2008 CAE – R added
  2010 CAE 2Y added

Three Tiers
  CAE 2 Y …6
  CAE … 106
  CAE – R …… 37
Total = 123 (designation for 5 years)

Doesn’t add up …some schools are CAE & CAE-R

Footnote: briefed to UK government & academia previously
Prerequisite is two CNSS certifications (for CAE 2Y & CAE)

CAE-R more rigorous

New emphases in 2010 (evolving criteria)

- collaboration with Minority Institutions, community colleges, local communities

- Faculty broadening
Benefits .... Or why would a school want to be a CAE?

- Designation carries “implied” endorsement
- Prerequisite for SFS and DoD Scholarships and capacity building grants
- Leveraged designation for other monies from corporate & govt sources
- Assigned dedicated NSA Liaison
- Preferential hiring
- Annual Conference (government funded)
- Networking / Collaboration (formal and informal)
1. Outreach / Collaboration
2. A Center for IA Education
3. IA Academic Program is Robust
4. IA as a multidisciplinary science
5. Practice of IA encouraged through the University
6. Student-based IA research
7. Cybersecurity faculty and course load
8. Active Faculty

• Designation and re-designation have the same criteria (now)

• That didn’t seem right to me ........ So, off to St Louis
Agree that re-designation should “raise the bar”
Simple for the evaluator and submitter
More CAE involvement
  - Peer review (possible)
  - Sponsorship (possible) ‘require’ a sponsor (good for sponsor & applicant)
Higher numerical score (has potential flaws)
What’s new – What’s better within the CAEs program (since designation)
Schools should define outcomes, goals and assessments – evidence meaningful and verifiable
  - Free form narrative added as part of re-designation
CAE Re-designation Proposals
Discussion items
from St Louis CAE PI Conference Nov 2010

- Reviewers provide better feedback – positive and negative (comment)
- Potential Interim approval period (2-3-4 years)
- Standardize terminology with NSF (consider adopting NSF “broader impacts”)
- Redefine criteria themes under the headings of: scholarship, teaching and service
- Site visits (by NSA and/or peer CAEs) for selected schools
  - Funding would be an issue
- Mini track or poster session at future CAE Principals conference
- Wiki/blog for continuous communication
  - Currently working with various schools (CAE & non-CAE accounts)
No specific timeline for implementation (probably Fall 2011)

Continue discussion at Colloquium (CISSE) as a track
• June 2011 in Dayton, OH