



Centers of Academic Excellence

The Information Security and Privacy
Advisory Board (ISPAB)

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CAEs in a Nutshell

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

CAEs in a Nutshell

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

CAEs in a Nutshell

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)

Current criteria (October 2010)

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



CAE Re-designation Proposals

Discussion items

from St Louis CAE PI Conference Nov 2010

- ▶ 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)



CAE Re-designation
Discussion items
from St Louis CAE PI Conference Nov 2010

- ▶ No specific timeline for implementation (probably Fall 2011)
- ▶ Continue discussion at Colloquium (CISSE) as a track
 - June 2011 in Dayton, OH