

FISSEA 22nd Annual Conference Panel
March 24, 2009

What's New . . ?

CNCI - Expand Cyber Education

Presented by: Brenda Oldfield
DHS Lead

“Develop a Skilled Cyber Workforce for Today and Tomorrow”

National Security Presidential Directive-54/Homeland Security Presidential Directive-23: January 2008

“strategy and recommendations for prioritizing and redirecting current educational efforts to build a skilled cyber workforce (with focus on training the existing cyber workforce in specialized skills) and ensuring skilled individuals for future Federal government employment”

“Specialized Skills” for USG cybersecurity defined as a combination of:

- the cybersecurity aspects of IT and IA work roles needed by every Federal department and agency to maintain appropriate access to and use of cyberspace; and
- those technical and organizational cyber skills needed by Federal law enforcement, intelligence, military, diplomatic and homeland security departments and agencies that support USG cybersecurity activities.

“Develop a Skilled Cyber Workforce for Today and Tomorrow”

A Strategy to Enhance and Expand a Skilled Cyber Workforce for Today and Tomorrow

➤ Keep pace with technological changes, both in content and delivery

Recommendations:

- Invest in Specialized Training for the Federal Cyber Workforce
- Embed a Common Approach to Cyber Education and Professional Development throughout the Federal Government

➤ Reinforce coherency through common language, guidance and standards

Recommendations:

- Develop/Implement a National 'Cyber Competence Assessment' Framework
- Build upon existing government training standards and guidelines to create common language and standards: Competency Transformation

➤ Invigorate the pipeline and accelerate the availability of skilled workers

Recommendations:

- Expand and improve current successful programs: CAEIAE and SFS
- Invest in academia and pursue strategic partnerships with industry

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Enabling Activities

➤ **Establish a centralized office function:**

- 1) coordination with various agencies to ensure the cyber competence assessment framework is applicable to all agencies
- 2) facilitation of cybersecurity workforce development throughout the USG
- 3) promotion of cybersecurity for the next generation of Federal employees
- 4) creation of partnerships with industry and academia

➤ **Work with OMP/OPM to modernize policies to recognize the value of human capital**

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