ANNEX II
Institutional Capacity Building

CAEs *may, but are not required to*, address this section of the solicitation with a separate ANNEX II to their proposals titled "Proposal for Capacity Building." Funds for ANNEX II may be awarded <u>only if</u> the institution submits a qualified basic proposal and/or ANNEX I as appropriate. This submission will be evaluated separately from the CAE's basic proposal in response to the broader solicitation. **While scholarships will be funded prior to any capacity building, approximately $1,000,000 will be set aside for capacity building.** You may submit one proposal for each of the areas identified below, Outreach to the Department of Defense (DoD) and Outreach to Academia. Funding is limited to $100,000 (or less) per CAE. Hence, proposal submissions should present practical and beneficial activities with a level of effort aligned to this modest level of funding.

I. OVERVIEW

In accordance with 10 U.S.C. 2200b, CAEs may request modest support for building the institution's capacity for research and education in information assurance. The DoD has established **two focus areas** for this opportunity. Proposals submitted should reflect opportunities for the CAE students to participate and gain additional understanding of IA, IT and Cybersecurity as it relates to the extended community and DoD. The two focus areas are:

1. **<u>Outreach to the Department of Defense (DoD):</u>** Supports proposals to increase collaborative activities between the DoD and the CAE and partner institutions. Proposals should include activities designed to increase student knowledge of DoD-centric operations, and cultivate skills in the areas of DoD priority focus such as information assurance, information technology, operating securely in mobile environments, cybersecurity, and cloud computing. The proposed activities should provide students with hands-on, real-world opportunities to use and/or develop IA skills and knowledge, with a goal to share information with DoD on key findings, pilot results, or research that relates to existing DoD programs and operations.
   a. Activities that may support proposals in this area include (but are not limited to):
      i. Outreach to DoD organizations and installations with a targeted focus ((e.g., research, IA program development, pilots) on cloud computing, mobility, cybersecurity, IA and IT).
      ii. Faculty Development: Provide experiential learning opportunities for CAE, partner, and Minority Institutions (MI)[1] faculty and students in appropriate academic topics including, but not limited to: digital forensics, cyber defense, software assurance, secure networking*;* and/or to develop scenario-based exercises and simulation tools.
      iii. Lab/Technology Development: Provide labs and equipment that may be accessible by other institutions (i.e., partner institutions and MIs) to share resources; develop lab exercises, or test software and tools.

1

---

[1] *The U. S. Department of Education reference for minority institutions is located at: http://www2.ed.gov/about/offices/list/ocr/edlite-minorityinst-list-tab.html and the United States code 20 U.S.C. 1067k refers to the term "minority institution" as an institution of higher education whose enrollment of a single minority or a combination of minorities include: American Indian, Alaskan Native, Black (not of Hispanic origin), Hispanic (including persons of Mexican, Puerto Rican, Cuban, and Central or South American origin), or Pacific Islander.*

2 November 2012

iv. Curriculum Development: Develop curriculum and toolsets for critical IA topics such as: cybersecurity, secure programming, cloud computing, mobility, and information technology program management.

b. Activities may also support outreach to the DoD wounded warriors, returning veterans organizations and programs which help transition military employees to non-military positions through training and education in the IA, IT and Cybersecurity fields; and to support development of IA, IT and cybersecurity training for the National Guard Bureau.

2. **Outreach to Academia:** Support for proposals to increase the pipeline of students in the areas of IA, IT, and Cybersecurity. The proposed activities should strengthen IA education programs, increase CAE student participation in projects, initiatives and research, through outreach to academic institutions that will benefit from collaborative partnerships.

a. Activities that may support proposals in this area include (but are not limited to):

   i. **Outreach to Minority Institutions (MI):** The recent outreach to community colleges resulted in the successful CAE/2Ydesignation of several of these institutions. This year, a goal of increasing the number and types of MIs with the CAE designation is a priority outreach focus. Proposed activities may include collaborative partnerships with CAEs and MIs with the objectives of improving MI IA educational programs, faculty and curriculum development, or access to facilities and tools supporting IA education. Proposal responses should include the short-term objectives and expected long-term benefits of the collaborative partnerships with MIs.

   ii. **Outreach to other universities and colleges, technical and community colleges**: Mentor/provide advisory support to technical and community college partners who aspire to obtain CAE or CAE/2Y designation status and/or are in geographic proximity to the CAE to serve as a source of transferring students into the CAE IA program.

   iii. **Outreach to high school students** interested in IA careers, as evidenced by participation in cyber competitions, IA/ IT clubs or academic programs. Partner with MIs, technical, community colleges, and other local community organizations to support experiential learning/training, mentoring and/or other programs that ultimately support building the high school student pipeline for the future.

b. Activities that may support proposals for Outreach to Academia via partnerships with minority institutions, universities, colleges, technical and community colleges as well as high schools include:

   i. **Curricula development**: Activities may include workshops to review and adapt existing curricula, new IA course development activities, or lab exercise development. The goal of these activities is to strengthen the ability of the CAE to sustain a standard of excellence in IA education; thus allowing the CAE to introduce new course content or broaden existing IA course offerings beyond the CAE to the reach the broader academic community.

   ii. **IA Faculty Development**: Activities may include opportunities to enhance faculty knowledge and skills (including, but not limited to: faculty workshops to develop train the trainer sessions, toolkits, exchanges with partner and

minority institutions, technical and community colleges, and/or hands-on training in IA/IT education).

    iii. **Facility and tools development**: Opportunities to develop facilities and tools to enhance IA education and access to resources for the CAE, partner institutions, and the broader community.

II. ANNEX II TECHNICAL PROPOSALS (See Technical Proposal Template)

In proposing support for capacity building activity, CAE technical proposals to ANNEX II must clearly state the focus area for the proposal submission as either Outreach to DoD or Outreach to Academia. The proposal must also clearly address the following:

1. The intellectual merit of the proposed activity to include:
   a. The broader impacts resulting from the proposed activity to include how the funding will benefit the students, the CAE, the community and/or the DoD.
   b. The specific elements of the Scholarship Program that will be enhanced or strengthened by the requested support.
   c. The impact to the Scholarship Program and to the CAE of not receiving the support requested.
2. The proposal must provide an overview of the project and proposed activities, the expected short-term outcomes and long-term benefits; and a statement addressing the qualifications of the CAE to meet the stated objectives of the proposed activities.

III. ANNEX II COST PROPOSALS (See Cost Template)

Cost proposals supporting ANNEX II should be submitted separately and should detail salaries, materials, equipment, and related direct and indirect costs for supporting the capacity building initiative(s) proposed. CAEs are advised that the request ***shall be limited to $100,000 or less in total.*** No more than one proposal for each of the two focus areas may be submitted. In order to be considered, the capacity building initiative proposed must be accompanied by a separate cost proposal.

IV. EVALUATION CRITERIA

The ANNEX II "Proposal for Institutional Capacity Building" will be evaluated separately from the rest of the CAE/ Institution's proposal using the following criteria.

A. The merits of the proposed capacity building initiative(s) and their contributions to laying a strong foundation for the IASP are fully described. The elements of the program should be clearly articulated; the institution must have a defined process to promote the IASP to its students and deliver high quality scholarship candidates (if applicable).

B. The CAE's current academic programs and proposed enhancements provide significant benefits to potential IA Scholarship students and support DoD mission needs. The CAE should identify key activities, e.g., programs, forums or partnerships with DoD, other government agencies, academia or private industry that enhance its IA/IT academic credentials and contribute to faculty/staff/student awareness and experiences in current IA/IT trends. Requested research funding should align with DoD areas of interest and provide meaningful learning opportunities for both faculty and IASP students. Lab activities and curricula enhancements should provide students with critical IA skills and knowledge and should be made available across other disciplines within the CAE and/or to academic and community partners.

21 November 2012

Diversity of student population and potential scholarship applicants should be supported through student demographics and partnerships with historically under-represented colleges and universities.

      C. <u>The costs of the proposal have been clearly articulated</u>. Cost summations should be provided for 1) Total Funding Request for the Proposal; 2) Funding Request per Initiative. Additionally, each initiative must have costs identified for each relevant cost category (labor, equipment, travel, etc.). <u>Estimates should be provided for all equipment purchases.</u>

      D. There are factors that will reduce the total evaluation score (if applicable). Those factors are:

1. Failure to provide adequate administrative and/or academic support to current IASP students enrolled at the CAE institution.
2. Failure to properly invoice for previous IASP funding received.
3. Failure to submit annual DoD IASP Grant Reports as required.

V. TIMELINE

All Annex II proposals are due to the IASP Program Office by February 28, 2013.