



NAVSEA 21st Century Education, Engagement and Technology Initiative Concept Study : American Heritage Defense Alliance (21-CEETI/AHDA) Pilot Program

Sponsored by:

Mr. John James - NAVSEA 04 Deputy and CNO's Diversity Advisor

Mr. Vic Gavin - PEO LMW Executive Director

**(who are developing concepts for improving HBCU/MI standing within
Navy programs)**

Concept Study Working Group

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American Heritage Defense Corporation
(AHDC) 501(c)3 Non-Profit

Briefing to:

Dr. Richard Roca, Director

**Johns Hopkins University Applied
Physics Laboratory, Laurel, MD**

NAVAL SEA SYSTEMS COMMAND

22 January 2009

Purpose of Briefing to JHU/APL Director

- Prior Navy HQ initiatives have made some progress in areas of outreach and scholarships. However, these have been bottom up efforts without significant impact on overall agency programs.
- Current task is to develop a corporate level concept whereby a UARC capability is established at a network of HBCU/MIs.
- 12/19/2008 Briefing to Norm Augustine –
 - ❖ Norm's suggestions were:
 - ✓ do not invent a new UARC;
 - ✓ work with an existing UARC that can standup and guide HBCU/MI affiliates e.g. JHU/APL;
 - ✓ brief JHU/APL Director as a starting point.
- Follow up on conversation between Norm Augustine and Dr. Richard Roca (JHU/APL Director).

The Big Idea

- **NAVSEA PEOs represent \$30+Billion research, development and acquisition expenditures each year**
- **Establish a partnership between NAVSEA/UARC/HBCU/MI for a long term commitment**
- **Establish new UARC project sites at target HBCU/MI locations**
- **Task with long-term technology commitment**
 - ❖ **similar to how other UARCs and FFRDCs were started**
- **Form a nucleus of talent/expertise at HBCU/MIs to meet Navy RD&A needs.**
 - ❖ **becomes flywheel for attracting professors and students**
- **Not a short duration effort; at least a 10+ year commitment**

Benefits

NAVSEA

- New players with accepted business method
- Solves funding vehicles and contracts
- Allows HBCU/MI IPAs
- Long Term commitment
- Recognize OH spent to invest in new player
- Expand pipeline of technology and talent to Navy
- Partnerships with States

UARC

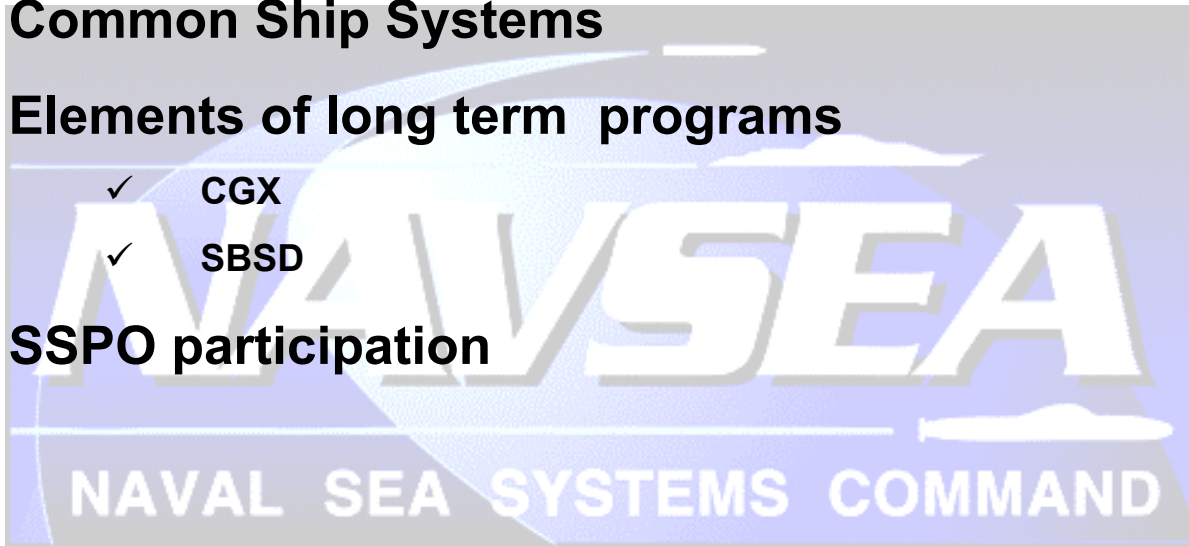
- New leadership role
- Expansion through satellite affiliation
- HBCU/MI affiliate is a new technology area, or a place to shed old technology
- Opportunity to establish innovation 'cells'
- Are you looking too much like Navy?
- Opportunity to retune your business processes
- Greater scope to your yearly revenue
- It is a good thing to do

HBCU/MI

- Hand up by a proven UARC
- Taught by and learn from them
- Establish a nucleus of core talent
 - ❖ technical
 - ❖ business
- Attracts business, money, innovators, scientists
- Enhances Standing in Navy
- Leadership role in RD&A in HBCU/MI community
- Pilot ideas and approaches to export to other UARC/HBCU/MI

Candidate Ideas for Interest Areas

1. Common Ship Systems
2. Elements of long term programs
 - ✓ CGX
 - ✓ SBSD
3. SSPO participation

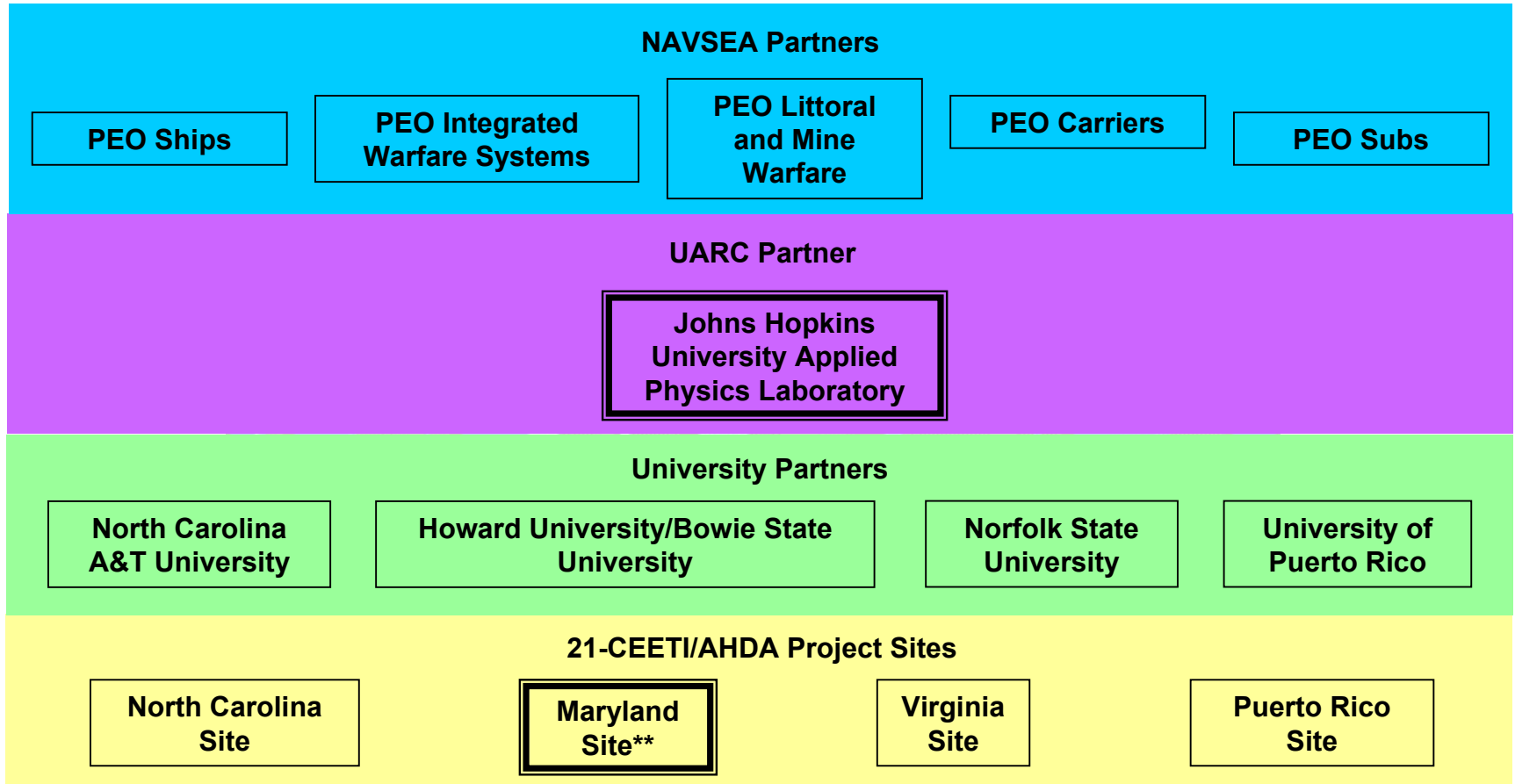


Pilot Program Partnership

1. **NAVSEA Partners**: Representatives of Program Executive Officers for NAVSEA Research, Development and Acquisition Directorates.
2. **UARC Partner**: Major NAVSEA UARC with a long history of outreach to minority institutions.
3. **University Partners**: Top Four Historically Black Colleges and Universities and Minority Institutions (HBCU/MI) that:
 - ❖ Offer accredited degree programs in multiple fields of the physical sciences and engineering;
 - ❖ Demonstrated applied research capabilities and facilities in Navy-related areas such as advanced materials, computational sciences, and electronic devices and engineering systems;
 - ❖ Have competitively won major research centers in science and/or engineering;
 - ❖ Have initiated the development of an applied research infrastructure.

• UARC partner to lead 21-CEETI/AHDA Pilot Program and create satellite projects at University partner locations.

Partners and Sites



**21CEET/AHDA HQ

Executive Board* (proposed – pending confirmations)

Mr. John James (Chairman) – Executive Director, NAVSEA Logistics

Mr. Victor Gavin (Vice-Chairman) – Executive Director, NAVSEA PEO Littoral and Mine Warfare

Mr. Jack Evans - Executive Director, NAVSEA PEO Subs

Mr. Christopher Deegan - Executive Director, NAVSEA PEO Integrated Warfare Systems

Mr. Dub Sumerall – (Actg.) Executive Director, NAVSEA PEO Ships

Mr. Bill Deleigne - Executive Director, NAVSEA PEO Carriers

Dr. Richard Roca – Director, Johns Hopkins University Applied Physics Laboratory

Dr. N. Radhakrishnan, Vice Chancellor for Research, North Carolina A&T University

Dr. Florence Bonner, (Acting) VP Research and Compliance, Howard University

Dr. Mickey Burnim, President, Bowie State University

Dr. A. Oladipupo, VP Research & Economic Development, Norfolk State University

Dr. Emma Fernandez-Repollet, VP Research and Technology, University of Puerto Rico

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Mr. Wale Akinpelu – Senior Professional Staff, Johns Hopkins University Applied Physics Laboratory

Others TBD – As Program Develops

***To be chartered by (and reporting to) COMNAVSEA**

Next Steps

- ❖ JHU/APL – think/decide about participation
- ❖ JHU/APL /J.J./V.G. Meeting – start-up tasking?
- ❖ JHU/APL to initiate a proposal for this?
- ❖ NAVSEA (J.J./V.G.) to bounce ideas off leadership
- ❖ Identify candidate areas of investment interest
- ❖ Workshop to develop Alliance Charter

For Further Details, Please Contact:

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