Space and Naval Warfare Systems Center Atlantic

12th Annual CDCA Defense Summit

Christopher A. Miller, SES
SSC Atlantic Executive Director
USS San Jacinto (CVL-30)

USS George H W Bush (CVN-77)


George H.W. Bush 1924 - 2018
Commissioning Ceremony of the USS George H.W. Bush in Norfolk, Virginia — January 10, 2009

https://www.youtube.com/watch?v=RZKCWwR7oy0
“We are in challenging times, and we need **rapid and affordable acquisition.**”

**NDS Clear priority**

**Compete, Deter and Win**

- Strengthen allies and partners
- Increase lethality for the warfighter
- Reform the business practices of the Defense Department for greater performance and affordability

**Sense of Urgency**

“By leveraging all our combined talents and changing existing acquisition approaches and tools, we will change the speed we deliver on urgent needs.”

**Speed of Relevance**

“We will prioritize speed of delivery, continuous adaptation, and frequent modular upgrades.”

CNO John M. Richardson

“the Navy the nation needs”

“to fulfill the maritime responsibilities in the National Defense Strategy”

Bigger — Better — Networked — Talented — Agile — Ready

Summary of the National Defense Strategy of The United States of America

Sharpening the American Military’s Competitive Edge

SSC Atlantic By the Numbers

Resources (FY18)
- Primarily a Navy Working Capital Fund (NWCF) Organization
- $2.93B Total Obligation Authority
- $1.6B Total Obligations
  - 41% Small Business
  - 400+ Small businesses
  - 91% Competition
- Service Task Order Award
  - $5.3M Avg. Ceiling
  - $794K Avg. Obligated
- New Orders
  - 67% Naval
  - 23% Joint
  - 10% Non DoD
- Workforce (FTEs)
  - 73% Naval
  - 24% Joint
  - 3% Non-DoD

Workforce
- 4,514 Civil Service
- 130 Military
- 243 New Professionals
- 71 Student Interns
- 13 SSTMs
- 29 Technical Warrant Holders
- Education
  - 56 PhDs
  - 1,201 Masters
  - 1,988 Bachelors

Teams
- 5 Departments
- 120 IPTs
- 436 Projects

Top Sponsors
- SPAWAR & PEOs
- MARCORSYSCOM
- NAVSEA & PEOs
- Defense Health
- NAVAIR & PEOs

Top Occupational Series
- IT Specialist
- Electronics Engineer
- Computer Scientist
- Electronics Tech
- Mgmt & Prog Analyst

11 yrs. average service
46 yrs. average age

A GREAT People Year!

ASN Aspiring Tester Award Sarah Monk

IT Rising Star DON IM/IT Excellence Award Brianeisha Eure

SBA AFCEA International Award Robin Rourk

South Carolina Order of the Silver Crescent Award Shanda Johnson

National Society Black Engineers (NSBE) Golden Torch Award Recipient: Professional Member of the Year Sierra Williams

Joint Base Volunteer Excellence Award Kelly Thompson

Delores M. Etter Top Scientists and Engineers Award Program The Nemesis Engineering Leadership Team (NR&DE Collaboration) Team Members Robert Taylor, Andrew Stubbs, Michael Pereira, Gregory Freeland and Justin Sellers

Women of Color STEM Career Achievement Award Shana Lesane

Assistant Secretary of Navy (Research, Development, and Acquisition) Department of Navy Acquisition Excellence Award Defense Acquisition Workforce Innovation Excellence Team of the Year Award Team Members- Fred Bisel, Kamau Buffalo, Wesley Jones, Jake Obi and Charles Bisel

Air Traffic Control (ATC) Annual Team Award for Outstanding Achievement: Philip Braswell

40 under 40 Charleston Regional Business Journal Dana Tommasini and Rachel Link
Technology Growth Areas
Investing in capabilities to outpace the threat of our adversaries

Assured Communications: Addresses the increasing demand for voice, multimedia and data transmission through wired and wireless communications systems. (5.5)

Autonomy: Enabling systems to adapt their actions to changes in their mission and operating environment without the intervention of a human operator. (7.0)

Cloud Computing/Big Data: IT modernization and digital transformation for resilient infrastructure, platform and software services. (5.5)

Collaboration/Social Networks: Allow social interaction to be aggregated, assessed and pushed back into the supporting systems as structured data that can be used for better decision-making. (5.4)

Cyber Warfare: Ensures availability, integrity, authentication, confidentiality and nonrepudiation of data sources. (5.9)

Data Science/Analytics: Enables access and management of large quantities of data in structured and unstructured forms. (5.6)

Enterprise Resource Tools: Supporting tasking across the software life cycle, to include operational support for major commercial ERP systems or custom solution for business/logistics decision systems across the Navy Tactical Command Support System. (5.4)

Internet of Things (IoT) and Embedded Systems: Operation of computer systems that perform a particular function within a larger system without direct human interactions. (5.5)

Mobility Solutions: Provide wireless technology and infrastructure authentication and connection to the enterprise providing the warfighter the ability to engage with a mobile environment anytime, anywhere. (5.5)

Model-Based Systems Engineering: Technologies used to support the development, management, and application of virtual constructs of varying fidelity across the spectrum of systems engineering. (5.2)

On-Demand Manufacturing processes: Produce products and/or components, when or as they are required at the point of use, using additive and/or traditional manufacturing methods. (4.7)

(Competency Champions)
Warfighting Department Thrust Areas

Fleet C4I and Readiness
- Tactical Cyber Warfare Solutions
- Navy’s Tactical Cloud Software Development
- Integrated C4I Solutions
- Navy Integrated Fires
- Assured Position, Navigation and Timing (A-PNT)

Expeditionary Warfare
- Cybersecurity Engineering for Marines and SOF
- Engineering the USMC/SOCOM ISR Enterprise
- MAGTF C4ISR Systems Engineering
- Transforming Mobile C4ISR Platforms
- Enterprise IT In-Service Engineering

Enterprise Systems
- Enterprise Business Solutions (EBS) via Software as a Service (SaaS)
- Commercial Cloud Services
- Mobility and Mobile Application Design

Areas of Emphasis
- Continuously look for new and innovative ways to reduce the time it takes to transition technology to the warfighter
- Create opportunities to engage with industry
- Continuously look for opportunities to reduce the cost of the products and services we provide
- Leverage the NR&DE and employ high velocity learning in all that we do

Shore C2ISR and Integration
- Cybersecurity T&E for Naval / Joint
- Shore Industrial Control System Engineering (Emphasis on Cyber)
- Combat Medical Readiness IT Modernization
- Intelligence Community COI
Command Contracting Strategy

**SERVICES**

*Corporate Resource Service Contracts*
- 8a Incubator, Global Install Contract (GIC), Fixed Submarine Broadcast System, Command Wide Warehouse Support, ATC, DARPA, MBAS, Corporate OPS, SATCOM ISEA, Navigation Systems, AATS, CME and SOC/SATCOM

**SUPPLIES**

*Corporate Resource Supply Contracts*
- Supply MACS (C2, Radtel) IVCS, IC, CMS, Corporate Production and TTL

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**External Contract Vehicles – SEAPORT/ITES (S)**

**SSC Atlantic Corporate Resources and Niche Contracts**

**Cyber Mission Engineering*, MBAS and Corporate Ops**

**ITES (H)/SEWP/GSA**

**SSC Atlantic Corporate Resources and Niche Requirements**

**Cyber Mission Systems, Corporate Production, and TTL**

**Rapid innovation, prototyping and fielding**

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https://www.youtube.com/watch?v=udiTaS2wTAM
Successful Teams

- Have members with a high level of empathy
- Have people who do not dominate the team or team members who just sit back and do not contribute
- Have more diversity

The ability to help each other & build relationships trumped the intelligence of individuals.
Engagements with Industry and Academia

▼ Formal Initiatives with Industry

- Contracts Industry Council: CHAS (bimonthly)
- Industry Days CHS/HR (As Required)
- Technology Exchanges CHS/HR (Qtr)
- Small Business Industry Outreach Initiatives (SBIOI): CHAS (Qtr)
- Women in Defense Speed Networking: CHAS (Qtr)
- NOLA SBIOI: NOLA (Annually)
- Tidewater Assoc. of Service Contractors SBIOI: HR (Annually)
- AFCEA WEST: SD (Annually)
- DoN Gold Coast: SD (Annually)
- Sea Air Space: DC (Annually)
- Salute to Small Business (SBA): Columbia, SC (Annually)
- ONR S&T: DC (Annually)
- C5ISR: CHAS (Annually)
- Society of Military Engineers (SAME) SB Conference CHAS (Annually)
- SC Research Authority (SCRA) SB Outreach: CHAS (As Requested)
- Small Business Dev. Center Training: CHS/NOLA (Qtr)
- Monthly Industry Luncheons (As Requested)

▼ Informal Initiatives with Industry

- Weekly one-on-one meetings (as requested) in conjunction with the Small Business Development Center: CHS/NOLA
- Daily emails/calls

▼ Formal Initiatives with Academia

- Cooperative Research and Development Agreements (as required)
- Partnership Intermediary Agreements (as required)
- Patent License Agreements (as required)
- Commercial Service Agreements (As required)
- Educational Partnership Agreements

Industry Resources

SSC Atlantic Public Page
http://www.public.navy.mil/spawar/Atlantic/Pages/ForIndustry.aspx

Doing Business with SPAWAR
SPAWAR e-Commerce Central (E-CC)
https://e-commerce.sscno.nmci.navy.mil

For the innovators
http://www.defenseinnovationmarketplace.mil/navy.html

@DON_OSBP @DODSBIR

Advancing Naval IW through rapid prototyping on a global scale

Industry and academia interested in participating can join the consortium at https://www.theiwrp.org
Face The Nation

@FaceTheNation

Is @GeorgeHWBush too nice a guy to be president? @FaceTheNation asked him in 1979

in tough jobs where you emerge not bullying somebody, but with the respect of the
We deliver information warfare capabilities
Enabling Warfighters to secure America and promote global freedom

SSC Atlantic is part of the Naval Research & Development Establishment (NR&DE)

Glassdoor: https://www.glassdoor.com/Overview/Working-at-SPAWAR-Systems-Center-Atlantic-EI_IE638508.11,41.htm
SPAWAR Contract Directorate Office: https://e-commerce.sscno.nmci.navy.mil