Naval Information Warfare Center Atlantic

Charleston Defense Contractors Association
52nd Small Business and Industry Outreach Initiative
16 October 2019

CAPT Wesley Sanders, USN
NIWC Atlantic
Commanding Officer
NAVWAR in the Department of the Navy

Structure

Secretary of Defense

Secretaries of the Departments

Army Air Force Navy

CNO/CMC
Chief of Naval Operations
Commandant Marine Corps

Deputy Commander
NAVWARSYSOCOM
Fleet Readiness Directorate (FRD)

Naval Information Warfare Systems Command (NAVWARSYSOCOM)
(Echelon II)

Echelon III Activities

Naval Information Warfare Center

Naval Information Warfare Center

Space Field Activity

ASN (RDA)
Assistant Secretary of the Navy for
Research Development and Acquisition

Program Executive Offices

SYSCOM Commanders

Naval
Sea Systems
Command
Naval
Air Systems
Command
Naval
Supply Systems
Command
Naval
Facilities Engr.
Command
Marine Corps
Systems
Command

Program Executive Offices

ONR
Office of Naval Research

Program Executive Offices

Command, Control, Communications, Computers and Intelligence
Enterprise Information Systems Department of the Navy
PEO for Space Systems

Statement A: Approved for Public Release. Distribution is unlimited (15 October 2019).
First message to the fleet from 32nd Chief of Naval Operations Adm. Michael Gilday

I am humbled and honored to be your Chief of Naval Operations. Together, we are part of the greatest navy in the world. Everyone on our team – officers and enlisted Sailors, active and reserve, uniformed and civilian – plays an important part in making sure we not only remain the greatest navy in the world, but that we get even better.

For the first time in a very long time, we face serious challenges at sea around the world. For decades, we took for granted that no other blue-water navy would dare take us on. That’s no longer true. The U.S. Navy has been and will continue to be a global force for security and stability. But there are other nations who would use their maritime forces to threaten the freedom of the seas to intimidate their neighbors or to coerce others in violation of international law. Those maritime forces are growing in numbers and in strength. Still others know they cannot take us on at sea but will try to attack our Navy in areas like cyber.

Rapidly modernizing our Navy and keeping pace with technology will remain a priority for us. But I still believe what my first chief told me, that people are our most important weapons system. A well trained force is our competitive advantage. I look forward to hearing from leaders at every level at how we can continue to make improvements for Sailors and their families.

And I have a great sense of urgency to get after solutions to the challenges we face.

In the coming weeks, my FIRST priority will be visiting with many of you. I will work with our leaders in the fleets, with our Marine Corps teammates and with our other joint service and international partners as we develop our way ahead to meet these challenges.

We will question our assumptions. We will think differently about the competition we are now in. We will be the Navy the nation needs now, and we will build the Navy the nation needs to fight and win in the future.

What remain constant are our core values of honor, courage and commitment. We will remain true to our core attributes of integrity, accountability, initiative and toughness. We will remain the premier Navy in the world, and I know we will be even better tomorrow than we are today.

Thank you for all you do for our Navy and for each other. I’ll see you out in the fleet.

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NIWC Atlantic At-a-Glance

Key Technical Capabilities

- Surface Ship and Submarine C4I test and integration facilities
- NAVWAR National Security Operations Center/Cyber Forensics, Vulnerability Assessment Team
- Cyber Forensics Criminal Investigations Laboratory
- Cyber Computer Network Defense Laboratory
- DoD Component Enterprise Data Center
- Commercial and DoD Satellite Comms production and installation
- Vehicle C4I systems integration, testing and production
- Electromagnetic Interference and Electromagnetic Compatibility testing
- Global Distance Support Help Desk
- Air Traffic Control systems development and installation
- Marine Corps Installations Command Electronic Security Systems

Serving our Nation by delivering information warfare solutions that protect national security. Includes: comms systems (radios), networking systems (routers/switches), cyber operations (red team/forensics/ network defense), intelligence, surveillance, reconnaissance (sensors/decision support applications), data science & analytics, business systems (benefits/personnel) and information security.

FY 2018
- Primarily a Navy Working Capital Fund (NWCF) Organization
- $2.93B Total Obligation Authority (FY18)
- $1.6B Total Obligations
  - 41% Small Business
  - 400+ Small Businesses
  - 91% Competition
- New Orders
  - 67% Naval
  - 23% Joint
  - 10% Non DoD
- Workforce (FTEs)
  - 73% Naval
  - 24% Joint
  - 3% Non-DoD
- 5 Departments
- 120 IPTs
- 436 Projects

EOM July 2019
- Top Sponsors
  - NAVWAR & PEOs
  - MARCORSYSCOM
  - NAVSEA & PEOs
  - Defense Health
  - NAVAIR & PEOs
- 4,801 Gov’t, 111 Mil.
- 248 New Professionals
- 85 Student Interns
- 13 SSTMs
- Advanced Degrees
  - 56 PhDs
  - 1,275 Masters
  - 2,112 Bachelors
- Top Occupational Series
  - IT Specialist (20%)
  - Electronics Engineer (13%)
  - Computer Scientist (12%)
  - Electronics Tech (9%)
  - Mgmt & Prog Analyst (8%)

Strategically located to support the deployed Navy

*Forward Deployed OIC – Officer in Charge

EOM July 2019

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FY19 Small Business Targets and Achievements

07 October 2019

<table>
<thead>
<tr>
<th>07 October 2019</th>
<th>SB</th>
<th>SDB</th>
<th>WOSB</th>
<th>HUB Zone</th>
<th>SDVOSB</th>
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<tr>
<td>Dollars obligated</td>
<td>$272,882,833.</td>
<td>$138,539,618</td>
<td>$87,339,099</td>
<td>$5,138,119</td>
<td>$10,014,158</td>
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<tr>
<td>Target</td>
<td>39.27%</td>
<td>17.7%</td>
<td>11.37%</td>
<td>1.55%</td>
<td>5.42%</td>
</tr>
<tr>
<td>Achievement</td>
<td>46.09%</td>
<td>23.93%</td>
<td>14.02%</td>
<td>1.52%</td>
<td>5.32%</td>
</tr>
</tbody>
</table>

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Delivering More Capability More Efficiently

Focusing on execution and results

- Digital Engineering and Model-Based Systems Engineering (MBSE)
- Technical Growth Area Dashboards measure for execution: tools/facilities, CDM, NISE investments
- Facilities Strategy to support new work dimensions and growing workforce
- Contracting Strategy accelerating delivery to the warfighter
- Resource Planning Guide implementing systems to better manage resources, saving time and money
- Information Warfare Project (IWRP) and Other Transaction Authority (OTA)

Accelerating delivery to the warfighter
Land Systems Integration Team an enterprise leader in MBSE solves real-world challenges for the warfighter.

▼ MBSE used to conduct global positioning system integration work conducted on the Joint-Light Tactical Vehicle, the MGUE Program’s lead platform.

▼ As the team designs and tests within the lab, they also update the MBSE Tool Suite to capture lessons learned, integration challenges and real-time project data for all team members to access.

▼ The team can now complete an integration project that previously took 18 to 36 months as quickly as six to nine months, without sacrificing quality, thanks to the value of MBSE.

*MBSE is an engineering approach that utilizes a common, digital tool suite allowing all team members – from engineer to sponsor – to have awareness, line-of-sight and an understanding of the interaction between the various moving parts across the systems engineering and project lifecycle.

Full Article: https://www.navy.mil/submit/display.asp?story_id=110447
Demonstrated nine exploratory technologies

Provided a platform for more than 35 gov’t agencies, industry and academia to test technology prototypes emphasizing maneuver, logistics and force protection capabilities.

Advanced Naval Technology Exercise (ANTX) East Demonstration

Marine Corps Base Camp Lejeune, North Carolina July 2019
Improving the cybersecurity posture of the Navy and Department of Defense

▼ Two DoD Component Enterprise Data Centers and a Disaster Recovery Center
- Modern infrastructure for secure hosting environments & sustainment services to all Navy customers
- Key role in information assurance and key services to support VA’s transition from a paper-intensive environment to a secure, paperless-based environment

▼ Designated Navy Cloud Broker. Assists the Navy in their cloud acceleration efforts
- Brokering services to Amazon Web Services (AWS) today and piloting efforts for Azure and Salesforce
- NIWC Atlantic is Named First DoD Entity to Join Amazon Web Services (AWS) Academy

▼ Delivery and sustainment of more than 40 systems that support the Sailor through career and life events
Navy’s 3D Submarine Radio Room Training Technology Adapted for Marine Corps Tactical Communicators

- Marine Corps communication systems and afloat submarine C4I training support teams leveraged the Navywide success of the virtual training for submariners to construct the technology for the Marine Corps Mobile User Objective System capability as part of a new equipment training (NET) package for the Marines.
- The software development process took eight months.
- To date, more than 600 Marines have received training by the ground radio team utilizing the NET package.

United States Coast Guard's National Security Cutters (NSCs)

Two of a nine-ship Legend-class NSCs, USCGC Hamilton and USCGC James are homeported in Charleston, SC.

- The 9th, 10th and 11th NSCs scheduled or currently under construction will join the Charleston-based NSC fleet in the coming years.

NIWC Atlantic manages engineering services (upgrade, installation, integration, testing and training) for over a dozen C4ISR systems (sensors, radars).

NIWC Atlantic has increased the cutter’s communications capabilities and enhanced interoperability between the Navy fleet and Coast Guard units.

Primary missions include Law Enforcement (Alien Migrant Interdiction Operations, Counter Narcotics and Living Marine Resources), Search and Rescue, Defense Operations and Homeland Security.
Polar Programs

- Providing Air Traffic Control (ATC), Meteorology (MET), Communication Systems and Engineering support for the U.S. Antarctic Program since 1985.
- Supports all National Science Foundation-sponsored operations in Antarctica and the Southern Ocean.

Extreme cold engineering and sustainment for aviation ground systems and navigational aids.
Our Partnerships

Our partnerships enable us to serve our Nation by delivering information warfare solutions that protect national security.

- Global presence for direct support to Fleet
- Hundreds of partnerships with industry, including small businesses
- Partner with academia to conduct research, share best practices and develop future workforce

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

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

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

Where We Need Your Help

Speed — Affordability — Interoperability — Capability — Workforce — Capacity — Awareness
Serve our Nation by delivering information warfare solutions that protect national security.

WIN THE INFORMATION WAR.

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


NAVWAR Contract Directorate Office: https://e-commerce.sscno.nmci.navy.mil

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