**Fleet C4I and Readiness Department**

Rapidly delivering and sustaining effective Information Warfare capabilities to the Fleet

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**Fleet C4I and Readiness Department**

- Engineer (Design, Develop and Test) new C4ISR capabilities that give our Fleet an advantage over adversaries.
- Integrate C4ISR systems into the U.S. Navy’s newest and most advanced ships and submarines.
- Install C2, Intel, Communications, Networks and Applications for the Fleet.
- Support Fleet C4ISR Systems to maintain Operational Availability and complete Lifecycle Engineering.

95 Programs / Projects

**Customer Areas**

- PMW 120
- PMW 130
- PMW 150
- PMW 160
- PMW 170
- PMW 740
- PMW 750/760
- PMW 770
- PMW 790
- NAVSEA
- NAVAIR
- USCG
- Fleet Cyber
- Numbered Fleets

**Leadership**

Charles Adams – Department Head

- Greg Lancaster – Deputy
  - Division Heads
    - John Thompson – Battlespace Awareness Division
    - Dave Johnson – IA & Navy Cybersecurity Division
    - Gary Miller (A) – Command & Control and Afloat Applications Division
    - Bob Rozar – Afloat Networks Division
    - Joe Sisti – Afloat Transport and Navigation Systems Division
- Rick Pass(A) – Deputy
  - Division Heads
    - Rick Pass – Foreign Military Sales/Air Integration/Coast Guard Division
    - Travis Tillman – Surface Ship Integration Division
    - David Bednarczyk – Submarine Integration Division
    - Mark Luther – Shore C4I Integration Division
- John Mark Hall – C4I Modernization & Readiness Division

**Achievements**

- Developed Virtual Training Environment (VTE) in support of PEO C4I to provide a virtual environment capability designed specifically for distance training of PEO C4I programs including CANES, GCCS-M, and NITES-Next. The system delivers realistic, ship-specific, hands-on System Administration training across multiple geographic sites.
- Designed and installed cyber forensic system to enable media and malware analysts at Navy Cyber Defense Operations Command (NDCOC) to perform analysis on the Navy’s emerging cyber security threats.
- Reduced the amount of time required for testing and evaluation of all C5I systems on Virginia Class submarines by 3 months with a cost reduction of approximately $1.2M per boat.
- Provided technical expertise to develop a Certificate Policy as part of the Public Key Infrastructure Increment 2 capability to be used as the basis for DoD Enterprise Internal Trust.
- Leading the Navy in providing technical subject matter expertise in maritime geospatial intelligence in the development of future digital products containing digital features of maritime limits and boundaries (MLB) to aid in navigation and display systems used by commercial and military ships worldwide.

**Warfighting Thrust Areas**

**To give our Fleet an advantage over adversaries**

- Deliver cyber warfare solutions at the speed of technology innovation to enable the Fleet to defend tactical networks and provide offensive cyber warfare capabilities (apps/tools).
- Enable modern IT Service Delivery technologies including system and network virtualization and cloud-based solutions afloat as the Navy’s Tactical Cloud Software Developer.
- Leverage Ship New Construction C4I engineering, design, integration and installation expertise to deliver state of the art information Warfare capabilities to the Fleet.
- Lead and provide critical engineering resources to Electromagnetic Maneuver Warfare/ Integrated Fires (EMW/IF) architecture and system development.
- Position to be the Navy’s technical Subject Matter Experts in Maritime Assured Position, Navigation and Timing (PNT) by focusing on projects that ensure continuous and reliable PNT.

**Areas of Emphasis**

- Seek innovative means for technology transition to warfighters
- Create opportunities to engage with industry
- Reduce the cost of products and services
- Leverage the NR&DE and employ high velocity learning

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Delivering mission critical Information Warfare capabilities to the Warfighter

Space and Naval Warfare Systems Center (SSC) Atlantic is a Navy engineering and Information Technology (IT) Command, and part of the Naval Research and Development Establishment.

Our work is shaped by requirements that demand research and engineering with the goal of delivering the operational advantage gained from fully integrating Naval information functions, capabilities and resources to optimize decision making and maximize warfighting effects.

We deliver the products and solutions that help our customers accomplish their mission today and into the future and most importantly, enable our Warfighters to secure America and promote global freedom.

Statement A: Approved for public release; distribution is unlimited (05 December 2017).
### Fleet C4I and Readiness Divisions

- **Battlespace Awareness Division**: Delivers intelligence and IO products and services to Warfighters, with primary customer PMW 120 (ISR/IO). Provides the ISR/IO Capability-Based In-Service Engineering Activity (CB-ISEA) services.

- **Information Assurance and Navy Cybersecurity Division**: Delivers cybersecurity protection of DoD IT and telecom systems with cryptographic, network and host-based security products that ensure strong authentication, data integrity, confidentiality, non-repudiation and availability of network information.

- **Command & Control and Afloat Applications Division**: Delivers operational and tactical command and control capabilities by integrating real-time and near real-time representations of tactical situations, providing targeting support, chemical-biological warnings, and logistics support for Warfighters.

- **Navy Afloat Networks Division**: Rapidly deliver integrated wide area, local networking and foundation computing systems products and services to Warfighters. Major systems include CANES, ADNS, ISNS, CENTRIXS and CES.

- **Navy Afloat Transport and Navigation Division**: Provides engineering integration and lifecycle support to Navy Afloat Transport Systems. Integrate, deliver and support interoperable communications, enabling seamless fleet operations. Provides improvements to GPS receivers and antennas, and non-GPS sensors and systems. Integrates, tests and evaluates, sustains and supports software defined radio communications solutions for the warfighter.

- **Foreign Military Sales / Air Integration / Coast Guard Division**: Delivers tailored, C4I releasable systems to foreign partners through Foreign Military Sales and Foreign Military Financing to enhance interoperability between the U.S. and international partners. Provides engineering integration and lifecycle support for Navy TacMobile along with C4I systems integration, installation and testing for new construction USCG Ships.

- **Surface Ship Integration Division**: Delivers integrated and interoperable C4I capabilities and support to new construction Navy aircraft carriers, amphibious ships, command ships and aircraft. Designs, integrates and tests interoperable C4I end-to-end capabilities to Navy and Coast Guard ships during new construction and modernization.

- **Submarine Integration Division**: Delivers vital naval capabilities by connecting the entire undersea architecture of manned and unmanned systems and undersea vehicles to maximize joint warfighting capability.

- **Shore C4I Integration Division**: Delivers integrated and interoperable C4I capabilities and support to the Navy’s shore and expeditionary forces through modernization, acquisition and system integration.

- **C4I Modernization and Readiness Division**: Provides direct fleet support after new platform delivery through the Fleet Support Office, fleet modernization through the Installation Execution Office, and fleet sustainment of system performance through the In-Service Engineering Agent.