

Naval Information
Warfare Center



ATLANTIC

Naval Information Warfare Center Atlantic Enterprise Systems (ES) Department Review

67th Small Business and Industry Outreach Initiative
(SBIOI) Symposium

19 March 2024

Mr. Kevin Allen, SSTM

Enterprise Systems Dept. Head

Mr. Robert Thornton

Data Center and Cloud Hosting
Services Division

Mr. Mark Krause

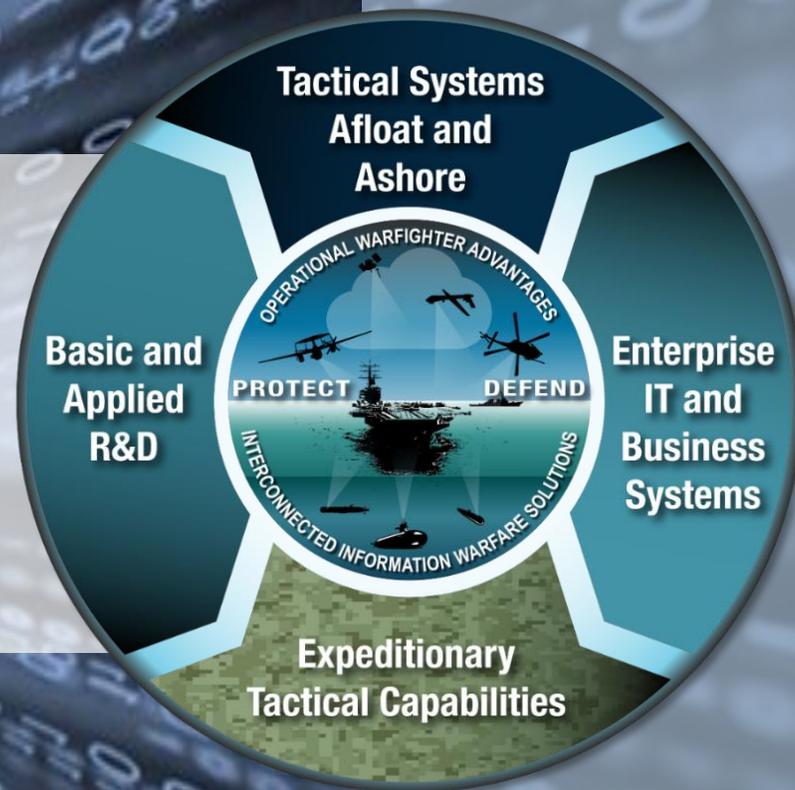
Manpower, Personnel, Training, and
Education Systems Division

Mr. Jim Barr

Enterprise Business Systems
Division

Mr. Stan Shelhorse

Logistics Business Systems
Division



Enterprise Systems Department

Giving our Fleet an advantage over adversaries

Department Head
Kevin Allen,
SSTM



Divisions

Data Center and Cloud
Hosting Services

Manpower, Personnel,
Training and Education
Systems

Enterprise Business Systems

Logistics Business Systems

Focus Areas

- Improve the performance & affordability of digital & enterprise services
- Drive cultural change to embrace DevSecOps across NIWC Atlantic and our customers
- Cloud & Data Center Services
- Enable a hybrid cloud solution for the Navy
- Enable access to information on any device, anywhere

FY23: 603 FTEs — 67 Projects — 13 IPTs

Rapidly identify and implement affordable Enterprise IT solutions by promoting innovation, developing our personnel and forming strategic partnerships across NIWC Atlantic and with our customers.

- Provide engineering, logistics, and PM support solutions
- Provide automation through development and deployment of modern software-intensive solutions
- Hosting for software application and services including private and commercial Cloud services
- Install and sustain enterprise systems for the Fleet and DoD

Customer Areas



▪ PEO MLB Portfolios



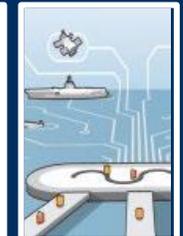
▪ PEO DES Portfolios



▪ DISA



▪ Other Navy Business and Enterprise Systems



Warfighting Thrust Areas — to give our Fleet an advantage over adversaries

▼ Software Development (DevSecOps)

- Vision: Drive cultural change to embrace DevSecOps across NIWC Atlantic & our customers
 - Partnering with other Departments, 5.0, PEO MLB and PEO Digital to change IT delivery culture

▼ Mobility & Mobile Application Design

- Vision: Enable access to information on any device, anywhere, including:
 - Improved user experience, resiliency, operational capabilities & ability to leverage talent
 - Enable Classified and U//FOUO mobility solutions; explore 5G

▼ Cloud & Data Center Services

- Vision: Enable a hybrid cloud solution for the Navy, including:
 - Automation enabling workforce shift to value-added enterprise services and engineering support
 - Digital Core Services offerings
 - Transparency improving stakeholder engagement and partnership

▼ Digital & Enterprise Services

- Vision: Partner with PEO DES to improve the performance and affordability of digital & enterprise services

Customer Areas

▼ PEO MLB Portfolios

- My Navy HR IT Solutions Services
- Navy ERP Financial IT Services
- Logistics IT Services
- Data Transformation Services
- Naval Applications and Business Services
- Hosting Services

▼ Defense Intelligence Agency (DIA)

▼ PEO DES Portfolios

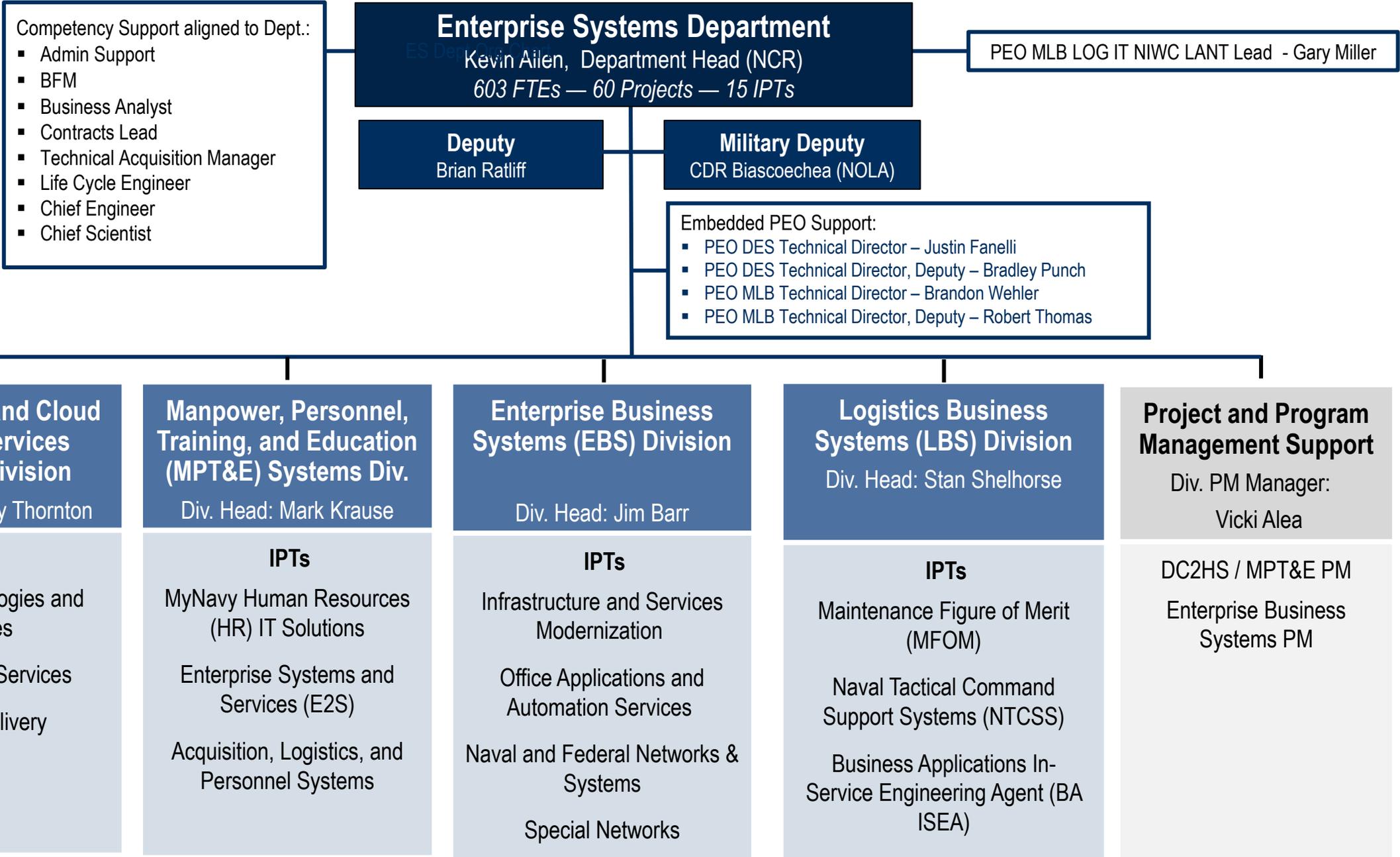
- Platform Application Services
- Digital Workplace Services
- Infrastructure Services
- Cyber and Operational Services
- End User Hardware Services
- Department of the Navy Special IT Services

▼ Other Navy Business & Enterprise Systems

- CEDC
- Cloud Services
- NHHC, NWC, NNWC, NAVAIR, ANG

ES Department Technology / Expertise Needs

- **Artificial Intelligence:** Provide warfighters with analytics-driven, data-informed, and technology-empowered capabilities to drive decision advantages and optimal mission outcomes.
- **Cloud Computing:** IT modernization and digital transformation for resilient infrastructure, platform and software services.
- **Cybersecurity:** Provides protection from unauthorized use of and/or defends electronic data, hardware, software from disruption or of the services they provide. (Zero trust, RMF, Cloud security)
- **DevSecOps:** Refers to replacing siloed Development, Security and Operations to create multidisciplinary teams that collaborate with shared and efficient practices and tools. (SW application modernization)
- **Model-Based Systems Engineering (MBSE):** Technologies used to support the development, management, and application of virtual constructs of varying fidelity across the spectrum of systems engineering.
- **Automation:** Replace repeatable, manual processes with software-based solutions to increase efficiency while decreasing costs to our Mission Owner partners.
- **Network Engineering:** Designing solutions for diverse, interconnected hosting environments to provide secure and reliable communications pathways.
- **Software Development and Testing:** Modernize legacy applications and develop software solutions and automated, Agile testing strategies to improve warfighter experience and capabilities.



- Competency Support aligned to Dept.:
- Admin Support
 - BFM
 - Business Analyst
 - Contracts Lead
 - Technical Acquisition Manager
 - Life Cycle Engineer
 - Chief Engineer
 - Chief Scientist

Enterprise Systems Department
Kevin Ailen, Department Head (NCR)
603 FTEs — 60 Projects — 15 IPTs

PEO MLB LOG IT NIWC LANT Lead - Gary Miller

Deputy
Brian Ratliff

Military Deputy
CDR Biascoechea (NOLA)

- Embedded PEO Support:
- PEO DES Technical Director – Justin Fanelli
 - PEO DES Technical Director, Deputy – Bradley Punch
 - PEO MLB Technical Director – Brandon Wehler
 - PEO MLB Technical Director, Deputy – Robert Thomas

Divisions

Data Center and Cloud Hosting Services (DC2HS) Division
Div Head: Bobby Thornton

Manpower, Personnel, Training, and Education (MPT&E) Systems Div.
Div. Head: Mark Krause

Enterprise Business Systems (EBS) Division
Div. Head: Jim Barr

Logistics Business Systems (LBS) Division
Div. Head: Stan Shelhorse

Project and Program Management Support
Div. PM Manager: Vicki Alea

Integrated Product Teams

- IPTs**
- Cloud Technologies and Services
 - On Premise Services
 - Service Delivery

- IPTs**
- MyNavy Human Resources (HR) IT Solutions
 - Enterprise Systems and Services (E2S)
 - Acquisition, Logistics, and Personnel Systems

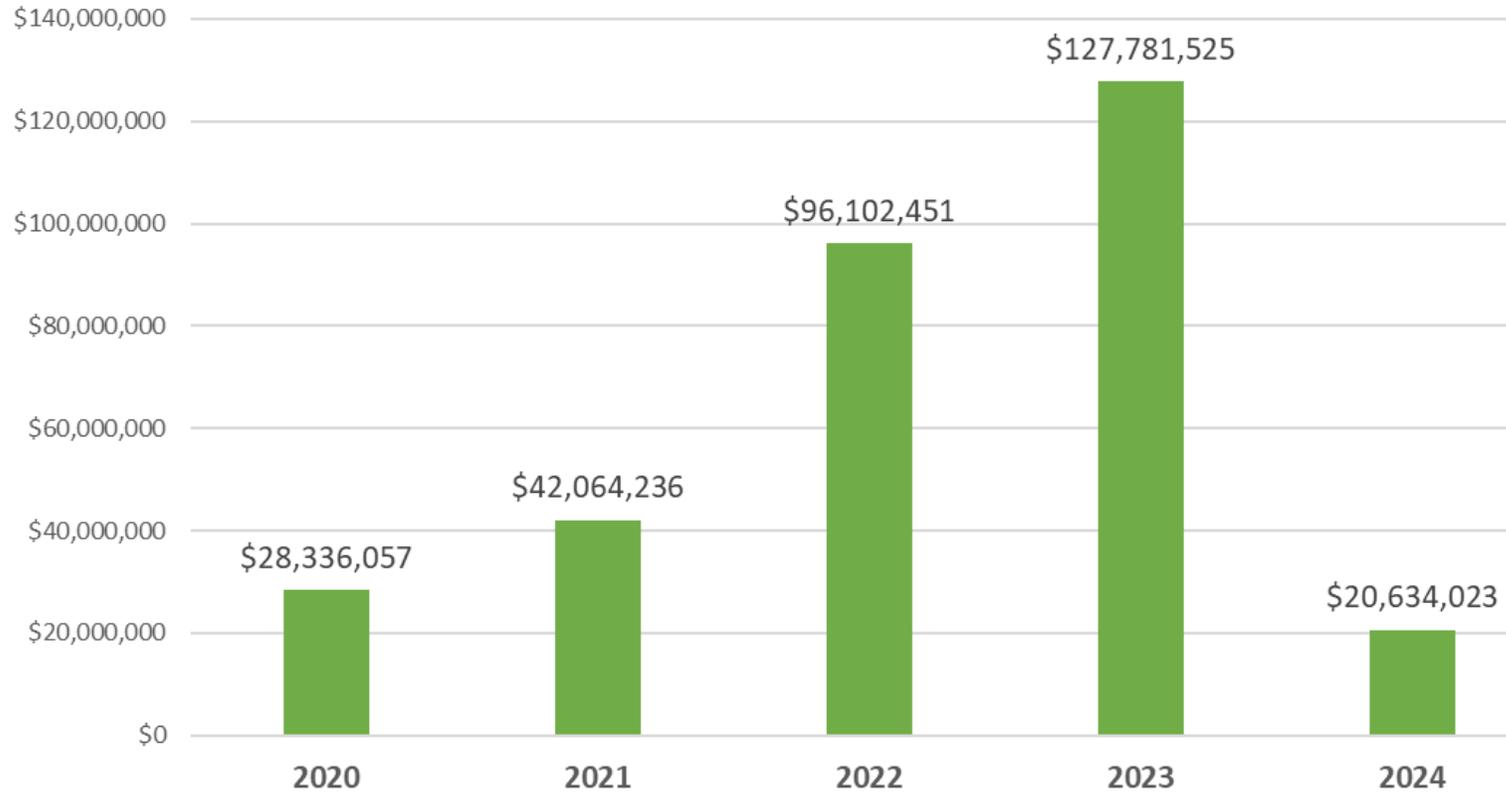
- IPTs**
- Infrastructure and Services Modernization
 - Office Applications and Automation Services
 - Naval and Federal Networks & Systems
 - Special Networks

- IPTs**
- Maintenance Figure of Merit (MFOM)
 - Naval Tactical Command Support Systems (NTCSS)
 - Business Applications In-Service Engineering Agent (BA ISEA)

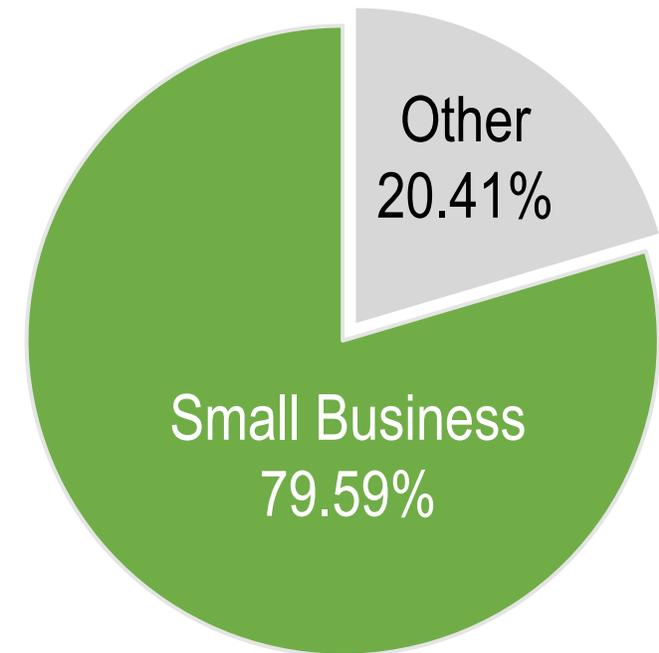
- DC2HS / MPT&E PM
- Enterprise Business Systems PM

Enterprise Systems Small Business Obligations

Small Business Obligations



Small Business Active Awards Issued



Data Center and Cloud Hosting Services (DC2HS) Division

- We provide commercial and private cloud infrastructure hosting and sustainment services.
- Support DoD strategic and operational objectives to move systems from legacy data center sites to our environments.
- Develop modernization initiatives to create more secure and commercial-ready systems.
- Provide Enterprise Engineering solutions and new capabilities for all environments serviced and maintaining modern hosting capabilities and secure hosting.

Data Center and Cloud Hosting Services (DC2HS)

Robert Thornton

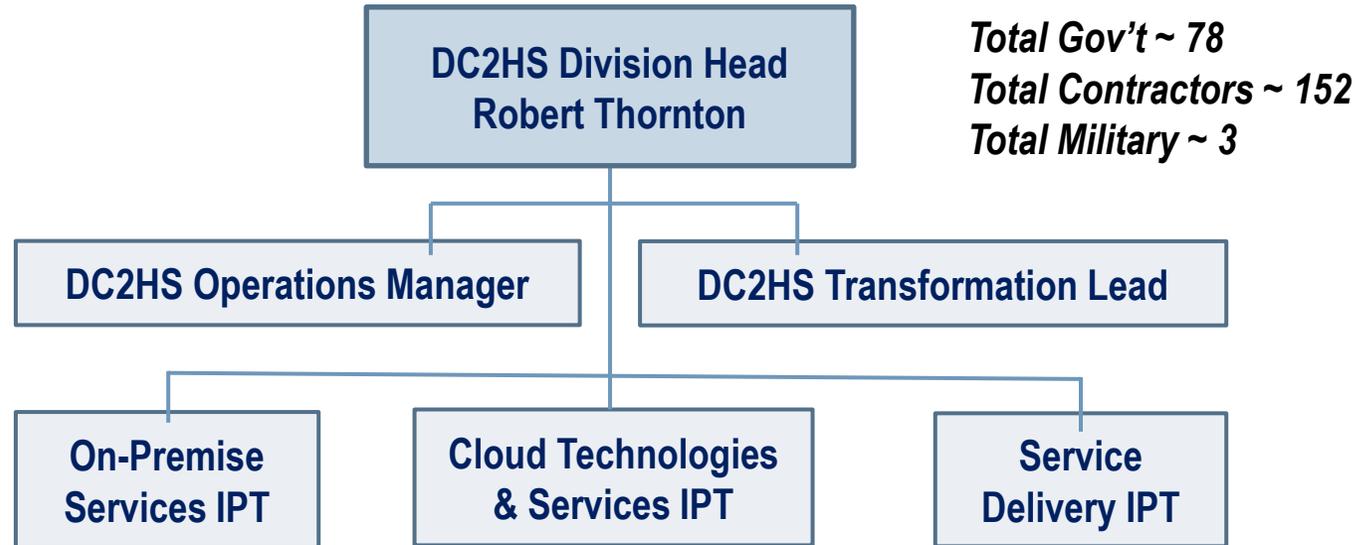
- Cloud Technologies and Services
 - On Premise Services
 - Service Delivery



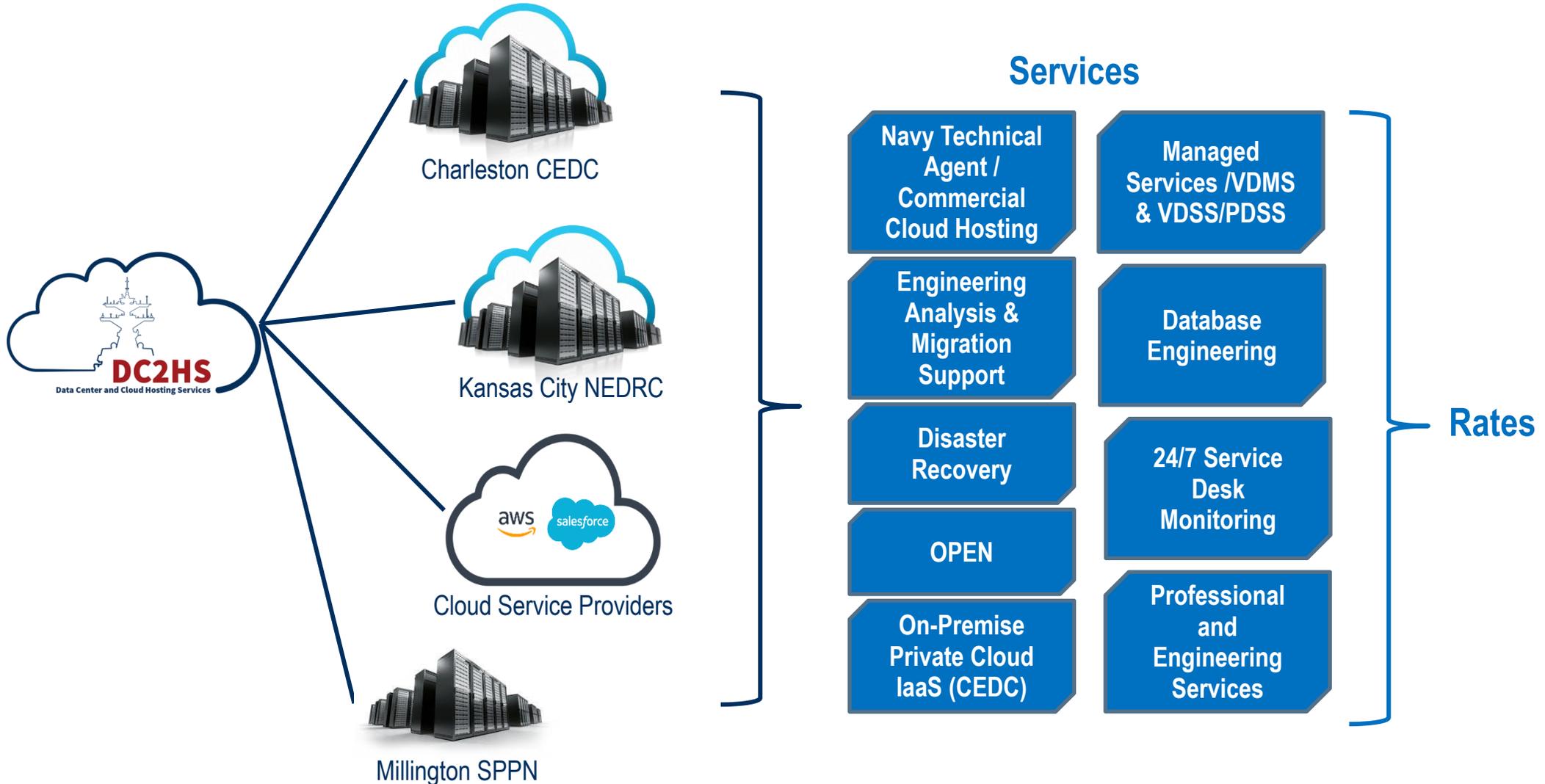
DC2HS Organization



Provides infrastructure hosting and managed shared services to support Department of the Defense strategic and operational objectives and for developing modernization initiatives to create more secure and commercial cloud ready systems. For the environments we provide services for, we also provide Enterprise Engineering and supporting services (Database, Cyber Security, Audit Readiness, etc.).



DC2HS Hosting Overview



DC2HS Hosting Environments and Customers

Customer Hosting Footprint*



Charleston CEDC



New Orleans CEDC



Millington SPPN



Kansas City NEDRC



Cloud Service Providers

3 Years Ago

CHAS

Customers: 107
Instances: 1607

NOLA

Customers: 75
Instances: 1477

CSP

Customers: 101+

*As of March 2021 CBM. Does not include DC2HS instances that support internal and managed services. Does not include COLO customers or DR counts.

+ includes AWS, Salesforce, and OPEN customers

1 Year Ago

CHAS

Customers: 82
Instances: 1771

NOLA

Customers: 53
Instances: 732

CSP

Customers: 129+

*As of March 2023 CBM. Does not include DC2HS instances that support internal and managed services. Does not include COLO customers or DR counts.

+ includes AWS, Salesforce, and OPEN customers

Present Day

CHAS

Customers: 87
Instances: 1894

NOLA

Site Decommissioned

CSP

Customers: 147+

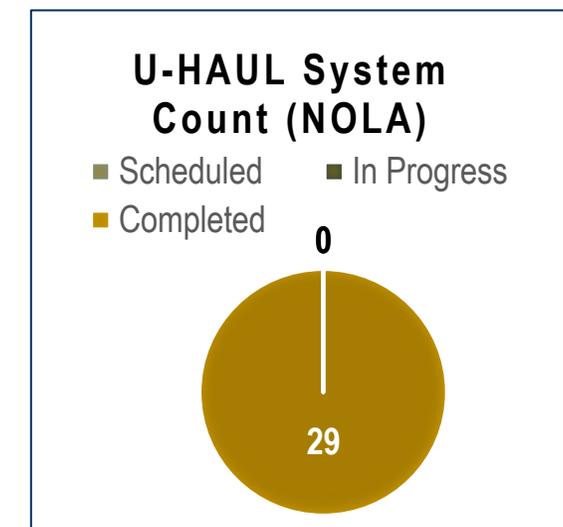
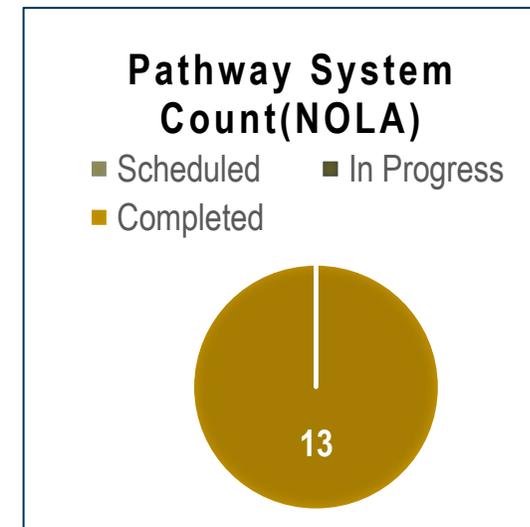
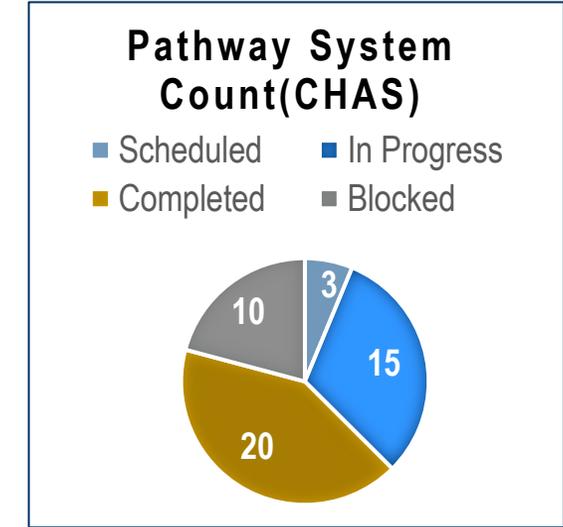
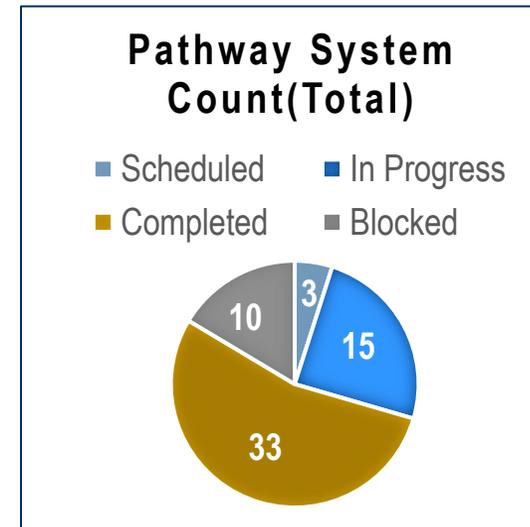
*As of February 2024 CBM. Does not include DC2HS instances that support internal and managed services. Does not include COLO customers or DR counts.

+ includes AWS, Salesforce, and OPEN customers



DC2HS: Project to the Cloud (PTTC)

- ▼ NOLA CEDC officially closed in August 2023.
- ▼ CHAS CEDC downgrade to SPPN scheduled for 30 Sept 2024
- ▼ Two lanes for migration
 - Project Pathway:
 - Semi-automated, uses AWS Cloud Endure (DoD TEP)
 - Bulk MFR agreement with NAO
 - Rapid migrations (12 weeks)
 - U-Haul: Lift and shift of systems from NOLA to CHAS
 - Meant for systems that are ineligible for migration to the cloud (Ex: SPARC dependency)
- ▼ Challenges
 - Connectivity dependencies
 - ATD timelines
 - EOL software



Upcoming DC2HS Development Effort

- ▼ DC2HS and Enterprise Systems Department Information Technology Support
 - ▼ Supports Information Technology (IT), network, planning, architectural analysis, evaluation, design, development, engineering, transition, cyber security, programmatic and sustainment support services to provide world-class solutions to complex IT challenges in an uninterrupted manner.
 - ▼ This support will be primarily for DC2HS, but it also supports the Program Executive Office for Digital and Enterprise Services (PEO Digital), PEO for Manpower, Logistics, and Business Solutions (PEO MLB), NAVSEA, Navy Reserves, and other DON, DoD and Federal organizations.
- **Acquisition Strategy:** Seaport NxGen – Biz Size is SBSA
 - **Solicitation:** N65236-24-TBD
 - **RFP Estimated** Q3 FY24
 - **Estimated ROM:** \$240M
 - **Contract award** planned for Q1 FY25
 - **Classification:** Secret facility clearance required. Personnel required to have T5 investigation for privileged users
 - **Location of performance:**
 - Government facilities are provided to those labor categories that would otherwise adversely affect the work performance if they were not available on Government site. Contractor personnel with supplied Government facilities shall be located at NIWC Atlantic in Charleston SC, Kansas City MO, New Orleans LA, and Millington TN

Manpower, Personnel, Training, and Education (MPT&E) Systems Division

We provide Systems/Software Engineering, Cybersecurity, Cloud Brokerage, Rapid Software Development, Sustainment, Testing, Data Engineering/Science, and technical Program Management support across the System Development Life Cycle to Navy and MPT&E programs within PEO Manpower, Personnel, and Business Solutions (MLB).

Major customers: PEO MLB, MyNavy HR IT Solutions, PMW 250/NABS, OPNAV N16, OPNAV N4, OPNAV N9i, OPNAV N7, DON CIO, NAVAIR, PERSCOM, NETC, ASN RD&A, USMC, Fleet Sailors and Reservists.

**Manpower, Personnel, Training,
and Education (MPT&E) Systems**

Mark Krause

MyNavy Human Resources
(HR) IT Solutions

Enterprise Systems and Services
(E2S)

Acquisition, Logistics, and Personnel
Systems (ALPS)

Upcoming MPT&E Development Efforts

- ▼ ALPS Integrated Product Team (IPT) Information Technology (IT) Software Systems and Engineering Support
- ▼ Supports systems engineering, research, evaluation, software engineering, requirements analysis, testing, technical writing, implementation, business intelligence, systems administration, systems integration, training, deployment, Information Assurance (IA) accreditation and life cycle maintenance to support the Naval History and Heritage Command (NHHC), Naval Inspector General (NAVINSGEN), Naval Supply Systems Command (NAVSUP) Logistical Afloat Support Suite (LASS), the Assistant Secretaries of the Navy (ASN) Research, Development and Acquisitions (RD&A) Information System (RDAIS), Office of the Assistant Secretary of the Navy, Financial Management and Comptroller (OASN, FM&C), Department of Navy (DON) Unattended Automation (DUA) System, and DON Electronic Procurement System (ePS).

- **Acquisition Strategy:** Seaport NxGen – Biz Size is TBD
- **Solicitation:** N65236-24-TBD
- **RFP Estimated** Q3 FY24
- **Estimated ROM:** \$36M
- **Contract award** planned for Q4 FY24
- **Classification:** Unclassified
- **Location of performance:**
- No Government facilities
- The contractor shall perform work at the contractor facility and/or temporarily duty locations

Enterprise Business Systems (EBS) Division

We provide engineering, cybersecurity, agile software development solutions, and program management support across the System Development Lifecycle to deliver enterprise systems to support the Navy.

Major customers include DoN CIO, PEO DES, DoD and DIA

Enterprise Business Systems (EBS)

Jim Barr

Infrastructure and Services Modernization IPT
Office Applications & Automation Services IPT
Naval and Federal Networks & Systems IPT
Special Networks IPT

Logistics Business Systems (LBS) Division

We provide engineering, cybersecurity, agile software development solutions, and program management support across the System Development Lifecycle to deliver logistics systems to support the Navy.

Customer focus: PEO MLB (LOG IT)

Logistics Business Systems (LBS)
Stan Shelhorse

Maintenance Figure of Merit (MFOM) IPT

Naval Tactical Command Support Systems
(NTCSS) IPT

Business Applications In-Service Engineering
Agent (BA ISEA) IPT

ES Department Challenges – Opportunities for Collaboration

▼ Acquisition / contracting

- Increased industry demand (end strength caps, need to deliver enterprise services, retention)
- Private industry challenges (LCATS, inflation, staffing)
- Continuing Resolution

▼ Business model for delivering enterprise capabilities

- Funding models for consumption-based services
- Updated policies needed for new operational models

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Questions

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Back Up Slides (IPT Information)

Cloud Technologies and Services IPT



Overview:

The Cloud Technologies and Services (CTS) IPT provides access to AWS and Salesforce cloud capabilities for Mission Owners and are Cloud Subject Matter Experts (SMEs) on design, migrations, and operations of Cloud Systems.

The CTS IPT mission is to provide enterprise cloud hosting services to the DoN by having expert knowledge in the Cloud Service Offerings that DC2HS offers, as well as improving the speed the MO can migrate to our CSO's and lowering costs through economy at scale.

Services and Projects:

- **Navy Technical Agent (NTA)**
- As an NTA, DC2HS provides Naval cloud hosting capabilities and services in AWS and Salesforce to allow Mission Owner systems from the Navy, USMC, and across the rest of the DoD to leverage Cloud Service Offerings (CSO), modernize their systems, and migrate out of DoD data centers.
- NTA services provided by the CTS IPT include:
 - CSO config., troubleshooting, and recovery/restore support
 - Outside of business hours priority 1 technical support
 - CSO user management
 - Incident Response
 - Modernization support
 - Navy/DoD Policy enforcement (DISA PA, Cloud First, user least priv.)
 - DISA Cloud Access Point (CAP) troubleshooting
 - Transit gateway connectivity
 - Task order mgmt. of cloud consumption used within the AWS NTA hosting platform

Online Public Enterprise Navy (OPEN)

- Impact Level 2 (IL-2), public web hosting platform that offers static, dynamic and Content Management System (CMS) options.
- OPEN maintains an Authorization to Operate (ATO) for the platform that doesn't require a Mission Owner to get their own accreditation
- Secure and centrally managed solution hosted on AWS

Cloud Capability Integrations Technical Initiative (Cloud CITI)

- Future DevSecOps tooling platform with the first iteration providing a cloud native VDI solution for system administration, Git services for CI/CD pipelines, and active container scanning services
- The platform will also host the OpenRMF Professional software that will be used to ease the management of eMass packages and automate the generation of RMF artifacts.

Project to the Cloud (PTTC)

- The CTS supports the PTTC Pathway effort in streamlining the migration of on-prem CEDC Mission Owner systems into the DC2HS AWS Brokerage through the utilization of an MFR with the NAO and the use of AWS's Cloud Endure/Application Migration Service

On-Premise Services IPT



Overview:

The On-Premise Services IPT is responsible for providing infrastructure hosting across the on-premise private clouds and managed services across both the on-premise private clouds and the commercial clouds offered by DC2HS.

The IPT currently offers three hosting environments; two Component Enterprise Data Centers (CHAS and NOLA) and a Navy Enterprise Disaster Recovery Center (NEDRC) in KC, as well as a pathway to commercial cloud platforms and associated services.

NIWC Atlantic Role:

- Operate NOLA and CHAS CEDCs for DOD Business IT Ashore Hosting Services
- Operate NEDRC in Kansas City for all Enterprise DR Hosting
- Operate Millington Data Center (MDC) in support of N1 Transformation activities
- Enable access to Commercial Cloud Environments for the DOD by providing Cloud Access Points (CAP)
- Provide Managed Services across On-Premise and Cloud environments
- Support modernization of infrastructure and new capabilities based on changing technologies utilizing agile methodologies

Services and Projects:

- Co-Location within CEDCs
- Infrastructure as a Service (IAAS) for CEDCs
- Managed Shared Services for CEDC and CSP customers
- Database Administration Services for CEDC and CSP customers

*does not include DC2HS instances that support internal and managed services

Service Delivery IPT



Overview:

The Service Delivery IPT is responsible for 24x7 Mission Owner supporting services via Business Relationship Managers (BRMs), Data Center Operations Center (DOC), Project Management Office (PMO), and Application Automation & Integration (AAI) Team.

Leading Customer Relationship Management, Network & System Monitoring, Process Automation, Change & Configuration Management and Application Automation & Integration across the Division.

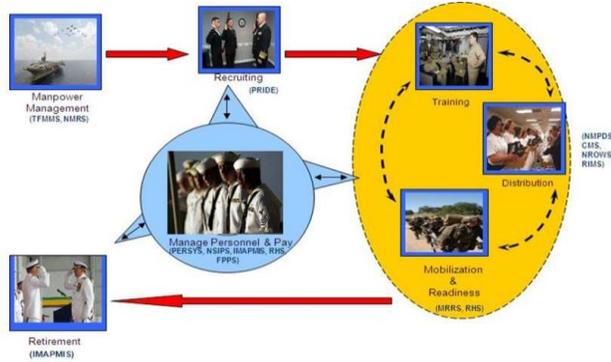
NIWC Atlantic Role:

- Provide Customer Relationship Management and alignment of via BRM to Mission Owners utilizing DC2HS
- Provide 24x7 network/system monitoring and reporting by the DOC
- Support modernization of infrastructure and new capabilities based on changing technologies utilizing the Application Automation & Integration (AAI) Team
- Deploying ServiceNow to automate workflows for Incident and Change Management, as well as a CMDB
- Sustain Customer Interface Portal – CODEC – allowing Customers 24x7 access to system utilization, bills, change requests, ACAS scans, etc.

Services and Projects:

- Customer Relationship Management via BRMs
- 24/7/365 Network and System Monitoring via the DOC
- Documentation and Risk Management for the Division
- ServiceNow Deployment brokered through PEO Digital CSMO
- SolarWinds and Splunk Monitoring and Dashboards
- AppDynamics for Application Monitoring/Troubleshooting
- Change and Configuration Management for the Division
- Automation and Integration of DC2HS Services (ACAS, SENSR CODEC & STIG-A³)

MyNavy Human Resources IT Solutions IPT



Overview The MyNavy HR IT Solutions Integrated Product Team provides integrated support to the Navy's Program Executive Office for Manpower, Logistics, and Business Solutions (PEO MLB) manpower, personnel and distribution systems. Support from this IPT includes sustainment, transformation and modernization of more than 40 systems that support the Sailor through career and life events. Mission critical capability provided includes manpower management, personnel and pay management, career management, recruiting, drills, mobilization, readiness, end strength, distribution, order writing, promotions, evaluations, fitness reports and dependent information to retirement/separation.

Additional services this IPT provides are project management, software engineering, software development, software sustainment, system engineering, database administration, information assurance, financial management, change management, data center hosting, production support and customer support. The MyNavy HR IT Solutions IPT is one of the largest within NIWC Atlantic.

Operational Relevance:

- Manpower Management
- Personnel & Pay Management
- Career Management
- Recruiting
- Drills
- Mobilization
- Readiness
- End Strength
- Distribution & Order Writing
- Promotions
- Evaluations and Fitness Reports
- Retirements

NIWC Role:

- Software Development
- Software Sustainment
- Engineering
- Database Administration
- Information Assurance
- Testing
- Logistics
- Production Support
- Project Management
- Data Center Hosting
- Customer Support
- Requirements Management
- Configuration Management
- Change Management

Benefits provided:

Timely delivery and sustainment of quality modern IT business solutions supporting:

- Manpower Management
- Personnel and Pay Management
- Career Management
- Recruiting
- Modernization of Navy Legacy Systems
- Migration to the Cloud
- Readiness
- End Strength
- Distribution and
- Order Writing
- Promotions
- Performance Evaluations
- Reserve Drills
- Retirements
- Mobilization

Enterprise Systems and Services (E2S) Integrated Product Team (IPT)



NABS
NAVAL APPLICATIONS & BUSINESS SERVICES

The Enterprise Systems and Services (E2S) IPT provides Systems Engineering, Software Development, Cyber Engineering, Life Cycle Management, Test & Evaluation, Technical Support, Subject Matter Expertise, business process reengineering, and application sustainment and modernization support for Navy and Marine Corps systems and solutions that enhance operational readiness.

Current sustainment and modernization efforts provide full systems engineering, testing, logistics, cyber, and data engineering support to PEO MLB, DoN CIO, Navy/Marine Corp Judge Advocate General / Judge Advocate Division, DoN AA, Navy International Programs Office (NIPO), Marine Corps, Navy Safety Center, OPNAV N9, OPNAV N4, ASN RD&A.

Benefits to the Navy Operational Relevance:

- **NCORS**—Development of a Case Management Tool using Agile.
- **FLINT**—Modernizing and Transforming the Navy’s POM / PR Process and Tools.
- **ePS, RDAIS**—Building modern procurement, acquisition, and training tools in a DEVSECOPS environment to significantly improve the speed of delivery.
- **SMDS** –Building a modern Marine Corps Decision Support System to improve strategic decision making.
- **S3ALE**--Creating a modern Foreign Military Sales case management tool for NIPO.
- **RMI**—Improving risk management tool for Fleet Sailors.
- **JALIS**—Continuing to modernize DoD airlift scheduling tools and processes.
- **DACM-MIS**—Modernizing Acquisition Management tools for the Navy.
- **Fuel Executive Dashboard, Pierside Maintenance Planning Support, CNO Data Strike Teams**—Delivering Enterprise Tools to improve how the Navy manages critical resources.

Projects:

- Navy Court-Martial System (**NCORS**)
- Force Level Integration Tool (**FLINT**)
- Electronic Procurement System (**ePS**)
- ASN RD&A Information System (**RDAIS**)
- Marine Corps Training Management System (**MCTIMS**)
- Marine Corps Strategic Management Decision Solution (**SMDS**)
- Sea Services Security Assistance Logistics and Execution (**S3ALE**)
- Risk Management Information System (**RMI**)
- Joint Air Logistics Information Systems (**JALIS**)
- Dir of Acquisition Management (DACM) Mgmt. Information System (**DACM-MIS**)
- **Fuel Executive Dashboard, Pierside Maintenance Planning Support, CNO Data Strike Teams**

Acquisition, Logistics and Personnel Systems (ALPS) Integrated Product Team (IPT)



The Acquisition Logistics and Personnel Systems (ALPS) IPT provides Systems Engineering, Software Development, Cyber Engineering, Life Cycle Management, Test & Evaluation, Deep Technical Support, Subject Matter Expertise, business process reengineering, and application sustainment support for systems and solutions that enhance Naval operational readiness.

The collection of projects and platforms supported by this IPT include, NIPR and SIPR systems, shipboard and aircraft applications, public web portals, applications hosted within the NEDC and the Amazon Web Services (AWS) Government Cloud.

Current sustainment efforts provide full systems engineering and IA support to PEO Digital and Enterprise Service, Naval Supply Systems Command, Naval Air Systems Command, Naval Inspector General, Naval History and Heritage Command, Naval War College, and the Air National Guard.

Benefits to Warfighter and Naval Operational Relevance:

- **NESD:** Critical PEO Digital mission initiative to consolidate multiple heterogeneous IT Tier 1 Service Desks, consolidate staffing, standardize processes, and technologies, improving service delivery, UX, gaining cost efficiencies over time leveraging Artificial Intelligence and Machine Learning, promoting NESD Tier 1 Service adoption throughout all Navy commands.
- **SMART A/C:** Plug-n-Play interface between OOMA and multiple "SMART" aircraft platforms, improving accuracy of support data to squadron maintenance technicians.
- **LASS:** Improve receipt and inventory of Navy and Marine Corps supplies, overall supply effectiveness, storeroom/warehouse mgmt., reparation of parts, consumable mgmt., and accuracy in receipt processing.
- **Navy Cash:** Quality of life system deployed to afloat units. Replaces manual cash processing and reduces cash management activities.
- **NHHC:** Public Web Portal (PWP) allows for enhanced public communication, and the KE Cloud, which is a single, comprehensive collections management system and databases supporting 13 Navy museums, as well as, curators and the public.
- **NIGHTS:** Web-based centralized case management information system for managing and tracking Hotline contacts or complaints, and Inspector General investigations across the Navy IG enterprise.
- **Naval War College:** NIPR/SIPR training networks provide the required resources to enhance the War Colleges' teaching, learning, research, war gaming and operational capabilities.
- **AROWS:** Supports ANG operations and training missions, allows users to manage their orders processes according to mission requirements.

Projects:

- **Navy Enterprise Service Desk (NESD)** – Joint effort with NAVWAR, NIWC LANT and NIWC PAC, supporting PEO Digital and DON CIO. Team of Systems, Logistic, Requirements and Information Assurance Engineers, and Business Relation Managers.
- **SMART Aircraft** – Team of SMEs which liaison between industry and NAVAIR and maintenance systems of record.
- **Logistics Afloat Supply Systems (LASS)** – Provide NAVSUP with project management, information assurance and sustainment operational fleet support.
- **Navy Cash** – Joint cyber security support between NAVSUP and U.S. Treasury.
- **NHHC** – Naval History and Heritage Command...Cradle-to-grave IT support team providing Project Management, System, Software, Test and Information Assurance Engineering support.
- **Naval Inspector General Hotline Tracking System (NIGHTS)** – Provide NAVINSGEN project management and information assurance support, joint effort between NETC, NIWC LANT DC2HS and NIWC LANT ALPS IPT.
- **NWC** – Cyber security and RMF accreditation support every 2 years.
- **ANG Reserve Order Writing System (AROWS)** – System Administration and Data Center/GovCloud support for Air National Guard.

Office Applications and Automation Services IPT



Description:

The OAAS IPT delivers enterprise-wide IT services, including Naval Identity Services (NIS), Nautilus Virtual Desktop (NVD), Mobility, Records Mgmt. in the cloud, SharePoint Online, and user hardware to Navy and Marine Corps end users. This IPT's portfolio includes the Navy's Identity, Credential and Access Mgmt. (ICAM) Solution and the Records Mgmt. solution to replace DON TRACKER.

Benefits to the Navy Operational Relevance:

- NIS will centralize identity data federation asynchronously while providing a frictionless user experience to Sailors, the Fleet, and Navy personnel to securely access enterprise as well as mission critical applications.
- Fielded Nautilus Virtual Desktop (NVD), which allows users to connect to Flank Speed IL5 resources on any machine while maintaining zero-trust
- Supports the delivery of Office 365 Records Management as the Navy's Task Management system replacing DON Tasking, Records and Consolidated Knowledge Enterprise Repository (DON TRACKER)
- Mobility solutions for the Navy

NIWC Atlantic Role:

- PEO DES Portfolios supported:
 - End User Services (NMCI hardware, Mobility, NVD)
 - Platform Application Services (NEST)
 - Digital Workplace Services (M365, Records Management, SPO)
- Naval Identity Services (NIS) – PM and government engineering team for DON's Identity, Credential and Access Management (ICAM) solution.
- Mobility Product Service Owner and Lead Engineer

Naval and Federal Networks and Systems IPT



NAVY ENTERPRISE
BUSINESS SOLUTIONS

Description:

The NFNS IPT delivers enterprise-wide IT services, including enterprise transport and cloud services, to Navy and Marine Corps end users. This IPT's portfolio includes the Navy Marine Corps Intranet (NMCI) and the Integrated Navy Operations Command and Control System (INOCCS). The IPT also supports the engineering effort for Navy ERP for PEO MLB, NAVSEA validator efforts and the NNWC Cyber Engineering Team (CET).

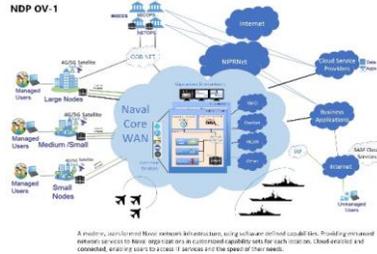
Benefits to the Navy Operational Relevance:

- Delivers ashore IT enterprise services such as business productivity, transport, and cloud services to more than 800,000 civilian and military users at 2,500 sites worldwide to meet evolving warfighter operational needs
- Responds to user requirements, stakeholder interests and industry trends by incorporating technology advancements to improve productivity and efficiency
- Continuously innovates and evolves IT infrastructure, tools and processes to successfully operate and defend networks on behalf of the warfighters
- N-ERP is the DON's financial system of record and provides reliable operations and management information for Navy Leadership.

NIWC Atlantic Role:

- Infrastructure Services Portfolio (NEN/NMCI)
- Cyber & Ops Services Portfolio (INOCCS)
- Strategic Source Services Portfolio (Trusted Agent & Enterprise Licenses)
- Command Strategy & Business Office (CSBO) (Invoice Tiger Team & Cost Modeling)
- Technical Director Shop (TD, Deputy TD, Solutions Lead)
- Navy ERP (N-ERP) - Lead Engineer, T&E Lead, RMF Lead, Requirements Lead, Configuration Manager, QA Lead & ctr SAP support
- NAVSEA PMO IT Support – RMF validator support, VRAM manager, Data Manager, Cyber Policy Documentation
- NNWC Cyber Engineering Team – 6 Cyber Engineers CONUS/OCONUS

Infrastructure and Services Modernization IPT



Description:

This IPT focuses on the Corporate Operations Office (COO) within PEO Digital, which provides support and governance for NEN Assessment & Accreditation, Systems Engineering Management, Facilities and Training oversight, and the NEN In-Service Engineering Agent (ISEA). Additionally, this IPT manages multiple government-led engineering efforts to transform and modernize the Navy network.

Benefits to the Navy Operational Relevance:

- Successfully designed, installed, and cutover the first ever government-led NMCI engineering effort
 - Upgraded 5 Boundary 1 sites to increase bandwidth
 - Conducted a full System Operations and Verification Test (SOVT) and transitioned over to operations
- Managing Change/Configuration/and Release processes to support positive control over the NEN baseline
- Implementing MBSE (model based) designs from the onset of transformation efforts such as Naval Digital Platform Epic 2 and Enabling Services

NIWC Atlantic Role:

- PEO DES COO Areas of Support:
 - Continuous Service and Process Improvement
 - Architecture support and MBSE modeling
 - Funding, Tracking, and Reporting to DoN CIO on Naval Transformation and Modernization (NTM) efforts across portfolios
 - Ongoing standup of the first ever NEN CONUS ISEA
- Cross Portfolio (and External Customer) Support
 - Designing engineering solutions (predominately for network infrastructure)
 - Pilot Proposals, implementation, and management

Naval Tactical Command Support System IPT



Description:

Optimized NTCSS was designed to serve as the computing infrastructure for logistics and readiness. The key features of this design ensure that NTCSS will keep pace with the changing needs of our operating forces and ensure that it remains affordable:

Benefits to the Navy Operational Relevance:

- Navy and Marine Corps operating units depend on readiness to ensure mission success.
 - Combat and support personnel must know the status and capability of all mission resources so they can act to improve readiness.
- NTCSS is the information technology infrastructure that provides accurate, timely and relevant readiness information to ensure mission success.

NIWC Atlantic Role:

Optimized NTCSS provides a full range of application segments to satisfy the readiness and logistics business needs of our operating forces:

- Organizational Maintenance Management System – Next Generation (OMMS-NG)
- Naval Aviation Logistics Command Information System (NALCOMIS)
 - Optimized Intermediate Maintenance Activity (OIMA)
 - Optimized Organizational Maintenance Activity (OOMA)
- Relational Supply (RSupply)
- Relational Administrative Data Management (R-ADM)
- Desktop II

Maintenance Figure of Merit IPT



Description:

MFOM is a diverse maintenance, logistics and readiness reporting software solution with multiple components including a computing infrastructure, a cross domain solution, a multitude of configuration items, backend databases, ship/shore equipment models, communication and messaging suites, and 14 web based software applications that operate on classified and unclassified networks both ashore and afloat.

Benefits to the Navy Operational Relevance:

- Automates and streamlines Navy maintenance processes
- Provides real-time material based readiness reporting to the Navy Readiness Analysis Suite (NRAS)
- Planning and Execution of depot surface ship availabilities
- Provides screening tool for maintenance actions
- Casualty Report (CASREP) provides fleet leadership with visibility into equipment failures and resource issues impacting mission readiness
- Strategic acceleration of capability release to the user community, and reduction of lifecycle sustainment costs through transition to cloud infrastructure and services

NIWC Atlantic Role:

MFOM supports the Navy's Organizational, Intermediate, and Depot level maintenance activities by:

- Providing automated capability for Navy operational forces to manage maintenance actions & assess readiness
- Assisting commands reporting material-based readiness
- Automating the planning and execution of ship repair work brokered to Supervisors of Shipbuilding (SUPSHIP) and Regional Maintenance Centers (RMC) worldwide
- Implements SAFe processes and DEVSECOPS tooling to rapidly deliver software releases to the fleet

Business Application In-Service Engineering Agent IPT



Description:

The Business Applications (BA) ISEA is responsible for developing, documenting, deploying and sustaining integrated software solutions to the Naval Warfighters. The major systems managed under this ISEA are the Maintenance Figure of Merit (MFOM) system and the Naval Tactical Command Support System (NTCSS) portfolio of products. Planning for support to Naval Mtc, Repair nad Overhaul (NMRO) and Naval Supply Chain Management (NSCM/NOSS).

Benefits to the Navy Operational Relevance:

- Lifecycle sustaining support for Legacy NTCSS and MFOM Hardware Solutions
- Integration with Software Engineering development and sustainment activities: NTCSS Central Design Activity (CDA) and MFOM Software Support Activity (SSA)
- Testing and IV&V Services
- Integrated Logistics Support (ILS)
- Tier 2 and 3 Help Desk with Distance Support Capabilities
- Modernization services for software loading and System Operational Verification Tests (SOVTs)

Projects:

The Business Applications (BA) ISEA currently focuses on requirements for the Program Executive Office MLB NTCSS and MFOM Assistant Program Managers. The systems supported by the BA ISEA are deployed in a variety of hosting environments and the ISEA is well versed in creating, integrating and supporting applications in these disparate environments and across all fleet platforms. Provides application training for the fleet.

Special Networks IPT



IPT Description:

The Special Networks IPT provides architecture, engineering and implementation support for Navy SCI Networks as well as for the DoD Intelligence Community (IC) Backbone Network which serves as the TS /SCI component of the Global Information Grid (GIG). High Performance Computing Modernization Program/ DoD Research and Engineering Network (HPCMP/DREN) supports DoD, Federal Agencies, Industry and Academia through engineering and sustaining the DoD's premier research and engineering network that provides robust, high capacity, low latency nationwide connectivity.

Customers:

- DIA
- PEO Digital, DoN Special IT Services
- HPCMP/DREN

NIWC LANT Role:

Provides architecture, engineering and implementation for transformation and convergence to next generation network standards for DIA, IC and Navy SCI Network Infrastructure. Provides Network engineering and cybersecurity support for the continuous expansion of DREN/SDREN WAN connectivity to over 280 DoD activities, academia and industry partners.

Major Projects:

- Sensitive Compartmented Information Wide Area Network (SCI WAN)
- DoN Special IT Services (DSITS)
- High Performance Computing Modernization Program / Defense Research Engineering Network (HPCMP/DREN)
- Special Networks