

Naval Information
Warfare Center

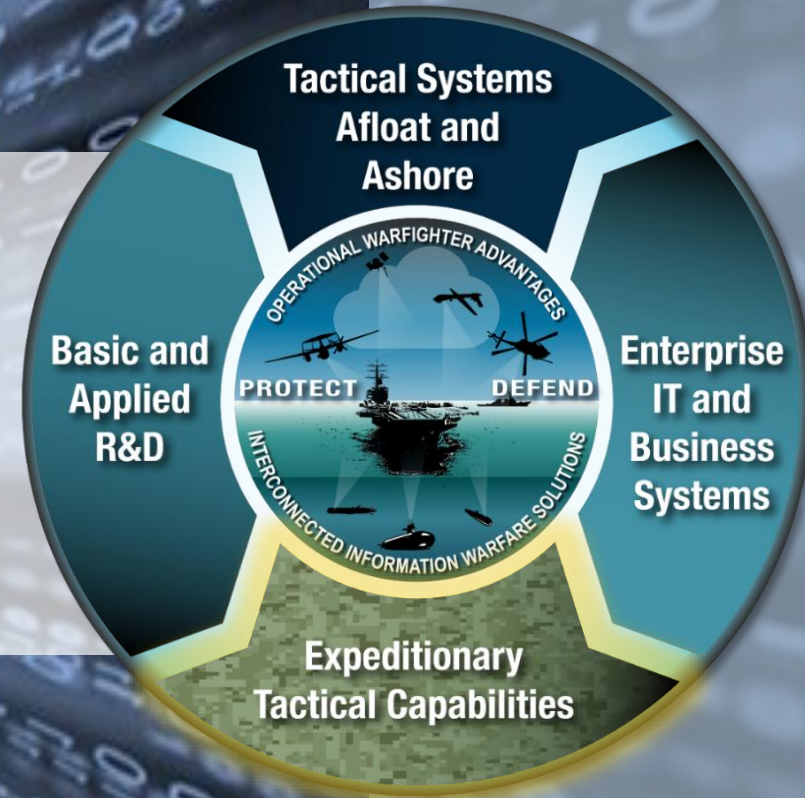


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Naval Information Warfare Center Atlantic **Expeditionary Warfare (ExW) Department**

CDCA Strategic Business and
Industry Outreach Initiative (SBIOI) Symposium
15 July 2024

Ms. Ashlee Landreth, SSTM
NIWC Atlantic
ExW Department Head



Expeditionary Warfare Department

Enabling Commanders in Faster Decision-making



Divisions

Expeditionary
Intelligence Solutions

Expeditionary
Enterprise Systems &
Services

Expeditionary
Platform Integration

Expeditionary
Command, Control
and Communications
Solutions

Expeditionary Warfare *FY23: 657 FTEs — 103 Projects — 20 IPTs*

Rapidly delivering C4ISR, Cyber and IT systems and engineering services to meet the IW needs of the Marine Corps and Special Operations Command.

- Deliver IW capabilities to the USMC and SOCOM
- Provide full spectrum C4ISR systems and services to Marines and Special Forces.
- Supporting Wargaming & Experimentation
- Deliver Capabilities that Enable Successful Stand In Forces
- Enable Joint All Domain Integration
- Ensuring S&T/R&D Progression

Actualizing Marine Corps and SOCOM doctrine to experiment and increase capability in operationally relevant systems

Lightening the load for Marine Units

Helping enhance naval integration

Creating compact, removable, on the move technology for the Marine Corps and SOCOM

Bringing DevSecOps to Marine Corps (MCBOSS)

Major Sponsors

▪ PEO Land Systems

▪ SOCOM

▪ HQMC

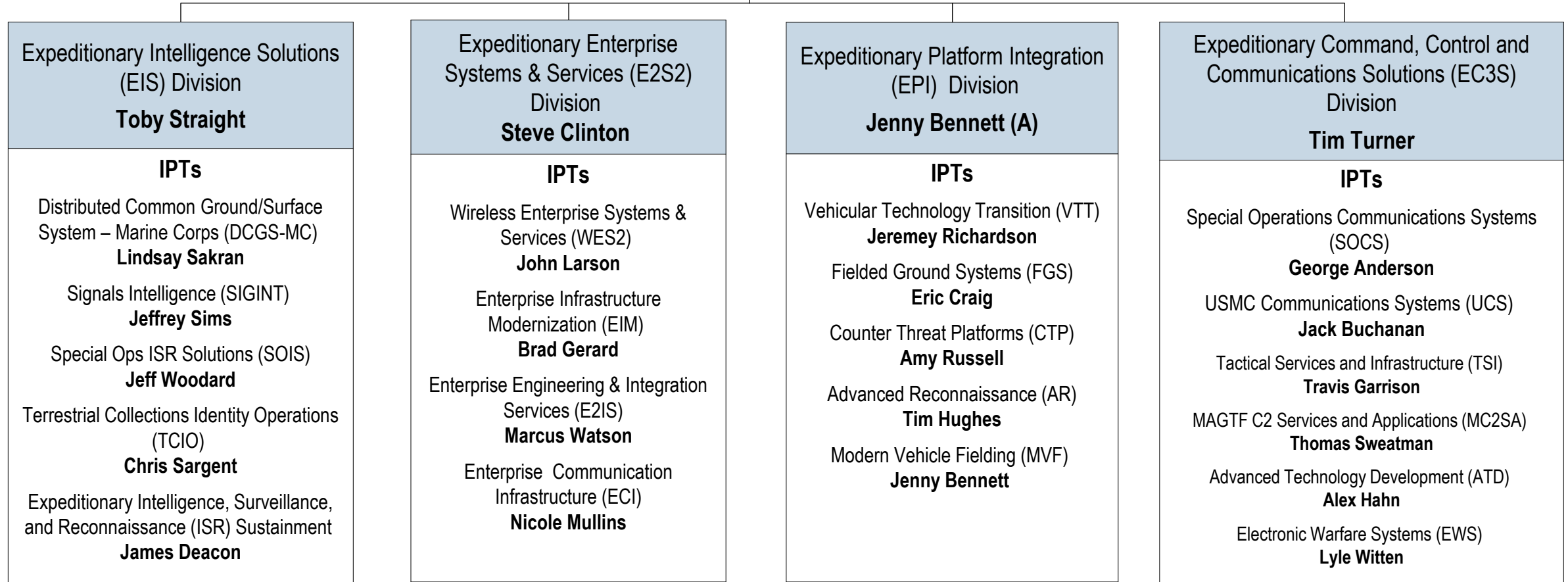
▪ MARCORSYSCOM



Organizational Structure

Expeditionary Warfare Department
Ashlee Landreth

Deputy
Pete Ward



NIWC Atlantic's Command Strategy to drive innovation and deliver warfighter information advantage to *Win the Information War*.

Executing National and Naval Strategies



Ensure Information Readiness

NIWC Atlantic Lines of Effort and Objectives

Deliver Naval Information Advantage and Warfighter Readiness

Be the technical leader in warfighter information advantage

- I. Meet Customer Needs Delivering Products and Services
- II. Drive Work Towards Warfighter Priorities
- III. Drive Future and Emerging Capabilities

Lead Naval Digitalization

Optimize Our Operations

Effective internal operations that drive value through increasing speed and agility.

- I. Ensure Competitive Edge via Managed Costs
- II. Quality Acquisition at the Speed of Need
- III. Process Co-Ownership and End-User Focus

Foster a World-class Workforce

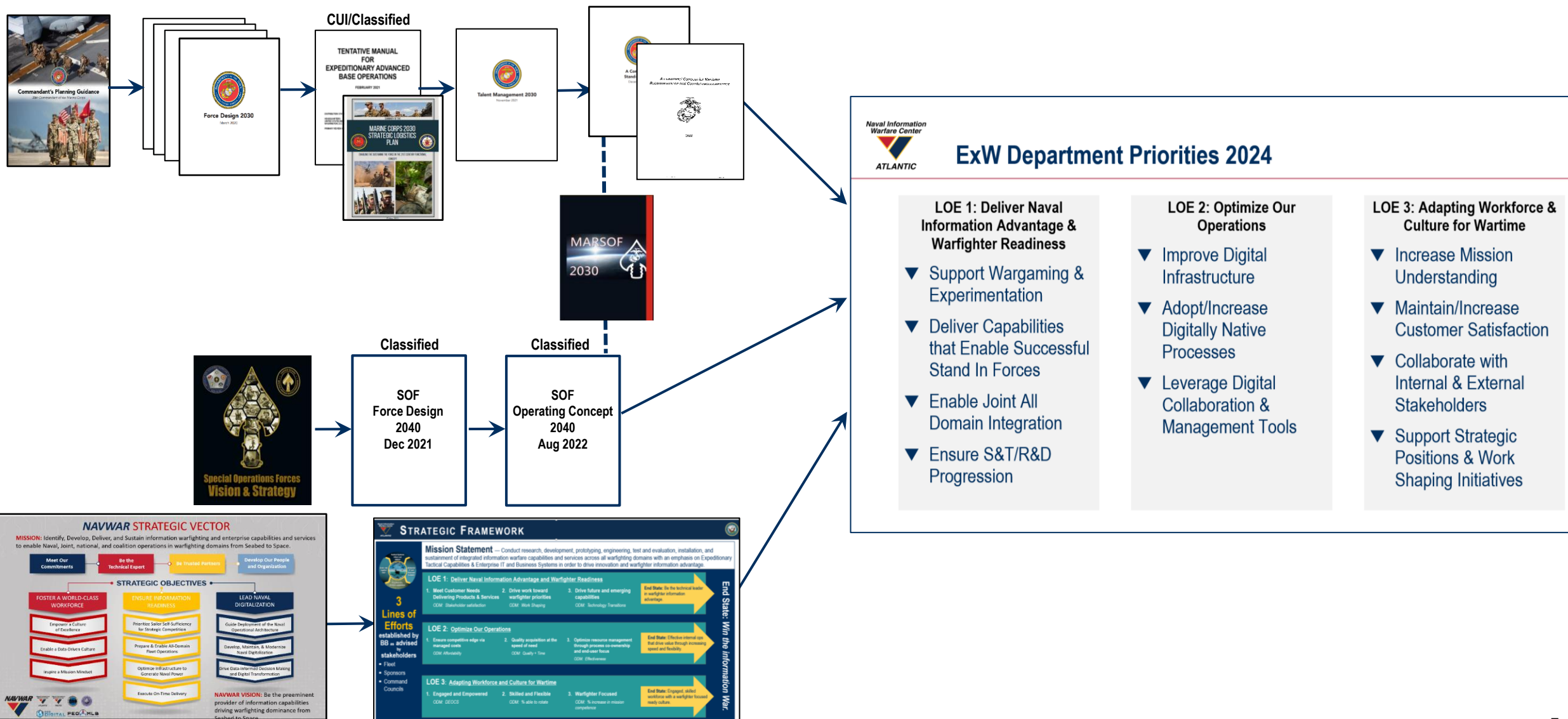
Adapting Workforce and Culture

Engaged, skilled workforce, with a warfighter focused and ready culture

- I. Engaged Workforce
- II. Skilled and Adaptable Workforce
- III. Warfighter Focused

ExW's Strategic Framework

Aligns to LANT/MC/SOCOM Guidance



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Expeditionary Intelligence Solutions Division

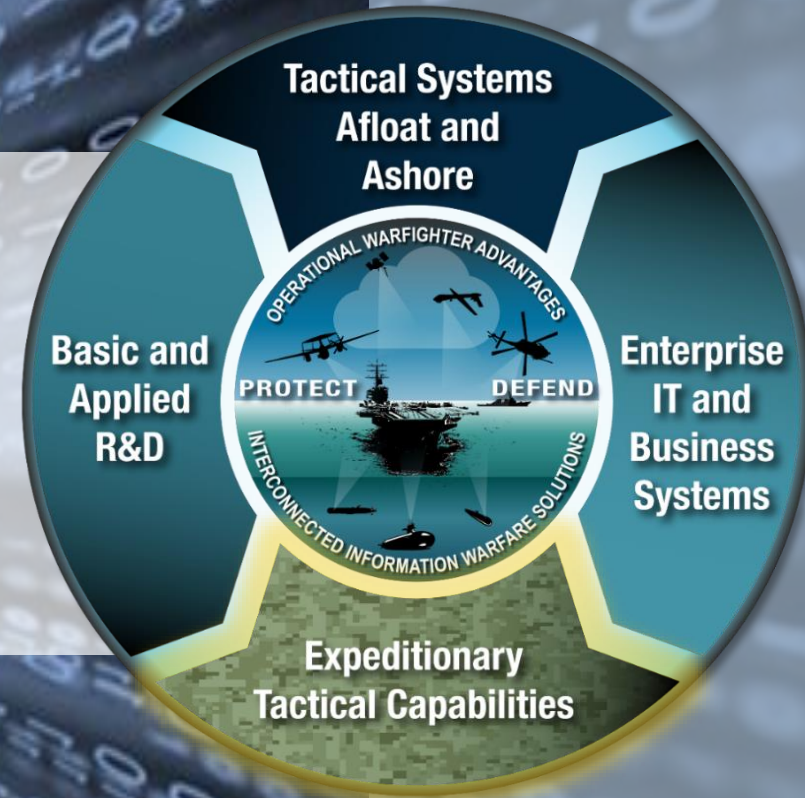
Inspire, Collaborate, Support, Execute

Toby Straight

NIWC Atlantic

Expeditionary Intelligence Solutions

Division Head



Expeditionary Intelligence Solutions (EIS) Division Overview

Primary Partners:

- PEO LS (PM ICO)
- SOF AT&L (PEOs Tactical Information Systems, Maritime, SDA)
- MCWL G3
- NSA
- TECOM
- FMF
- ONR

Focus Areas

Information and Data Architecture /
Enterprise Services

Sense, Make Sense, Act

Naval Integration

Fleet Engagement

Talent Management-

Invest in People (USMC 101, SIF,
Recon/Counter Recon)

What We Do

- Provides full spectrum expeditionary intelligence capabilities, technologies and solutions to the warfighter

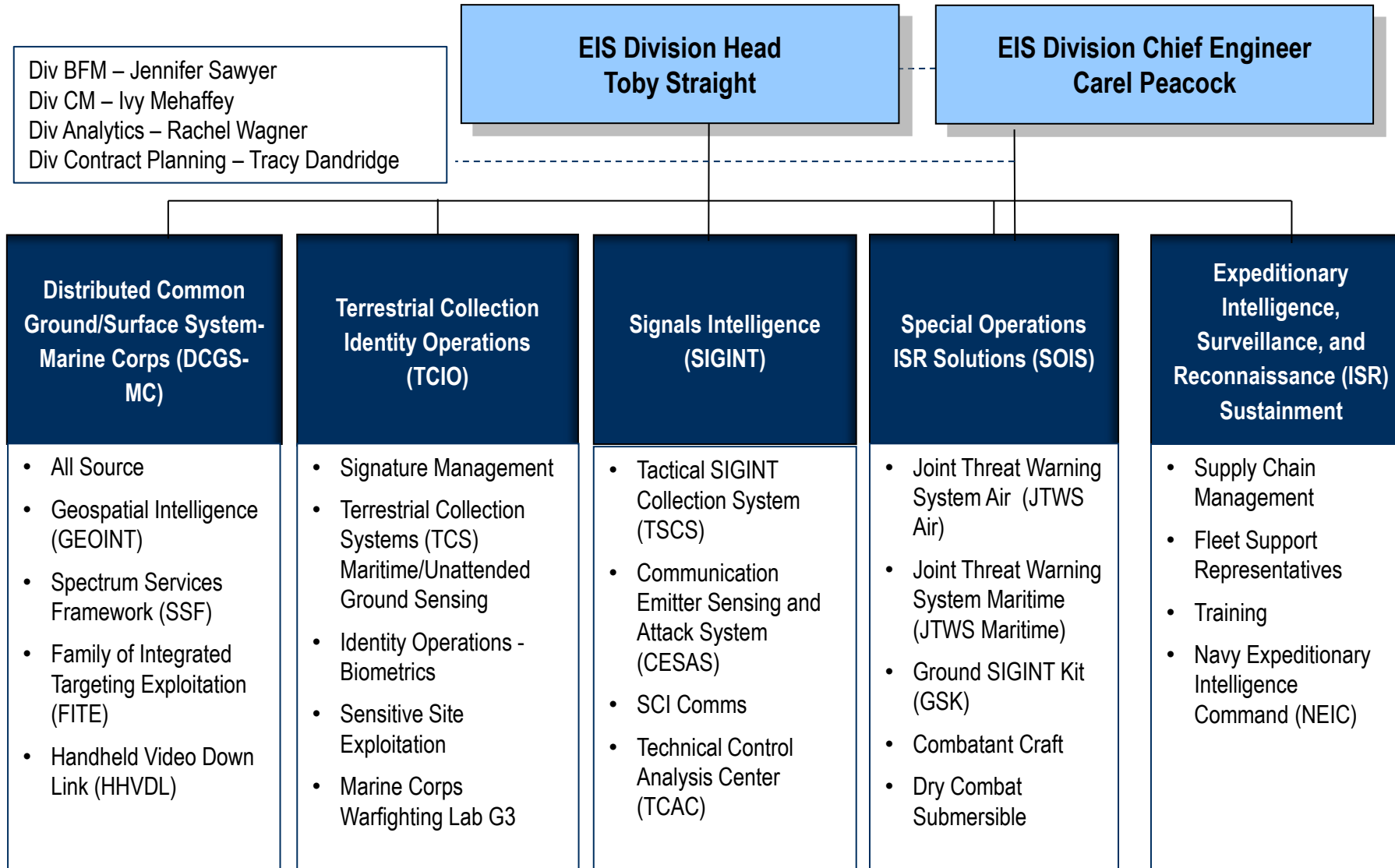
Solution Areas (Horizontal/Vertical Integration)

- Measurement and Signature Intelligence
- Signals Intelligence
- Electronic Warfare
- Geospatial Intelligence
- Counter Intelligence
- Open Source and Social Media Intelligence
- Identity Operations

MCISRE 2030 must align service intelligence, surveillance and reconnaissance effort to achieve decision advantage for the Fleet Marine Force commanders and intelligence leaders with all domain ISR battlespace awareness, predictive analysis, and assessment necessary for increased lethality and expeditionary force dominance of actively contested littoral spaces.

EIS Division Organization

~230 Gov FTEs; 67% Engineers
~300 Ctr FTEs; World Wide
>5 years: Leadership Stability



Embeds:

- PEO LS PM ICO, PM Fires, PM Eng Systems
- SOCOM SOF AT&L, PEO TIS, SDA, Maritime
- MARSOC
- MCWL
- MCLB Albany
- I, II, III MEF
- 29 Palms
- MCB Kaneohe Bay
- MCTSSA
- Regional Intel Trng Centers, Marine Corps Intel Schools

Infrastructure Investments (Gov Site):

- 1 SCIF; 1 TSCIF, 1 Mobile TSCIF
- 4 Secret labs; 3 SVTC (2 on MCEN-S)
- 1 Unclass lab (MCEN-N Wired/WiFi)
- Complete Legacy COC Tent with Gen, HVAC
- Ranges - SAUSR, Poseidon Park, Sullivan's Island
- SDREN

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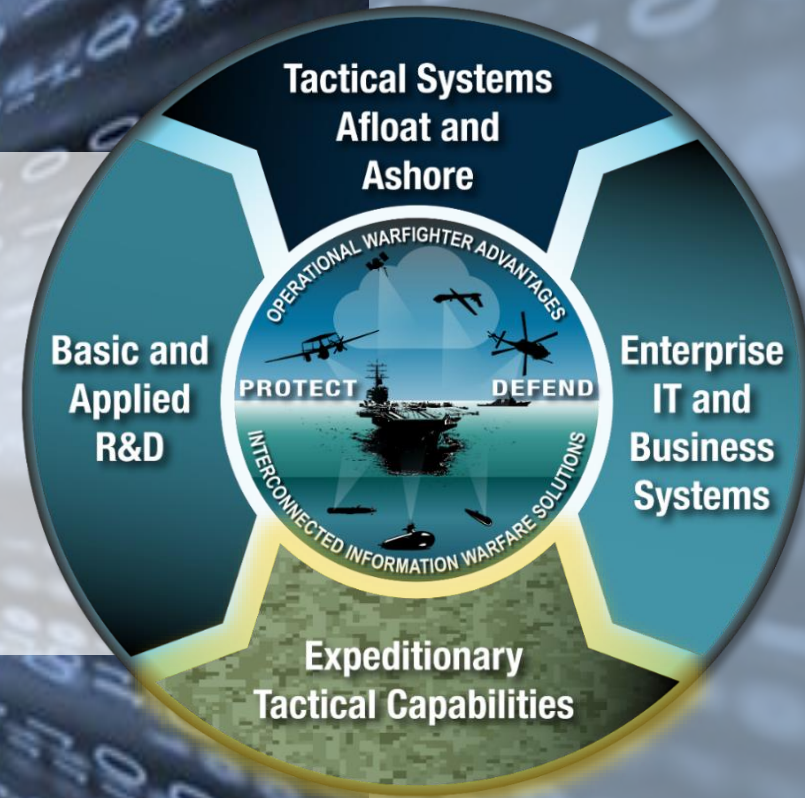
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Expeditionary Enterprise Systems and Services Division

Steve Clinton

NIWC Atlantic

Expeditionary Enterprise Systems and Services
Division Head



Expeditionary Enterprise Systems and Services (E2S2) Division

IPTs

Enterprise
Communications
Infrastructure

Enterprise
Engineering &
Integration Services

Enterprise
Infrastructure
Modernization

Wireless Enterprise
Systems & Services

Develop and deliver secure, resilient, and modernized solutions and access, enabling interoperability with joint and coalition partners, while ensuring safety and security for Marines and families at home and abroad.

■ Enterprise network services

- Marine Corps Business Operations Support Services (MCBOSS; Marine Corps DevSecOps Platform Services)
- Enterprise Staging & Delivery (ES&D)
- Direct support for sponsors (PEO Digital, **PEO MLB**, DC-I/IC4)

■ Enterprise network infrastructure

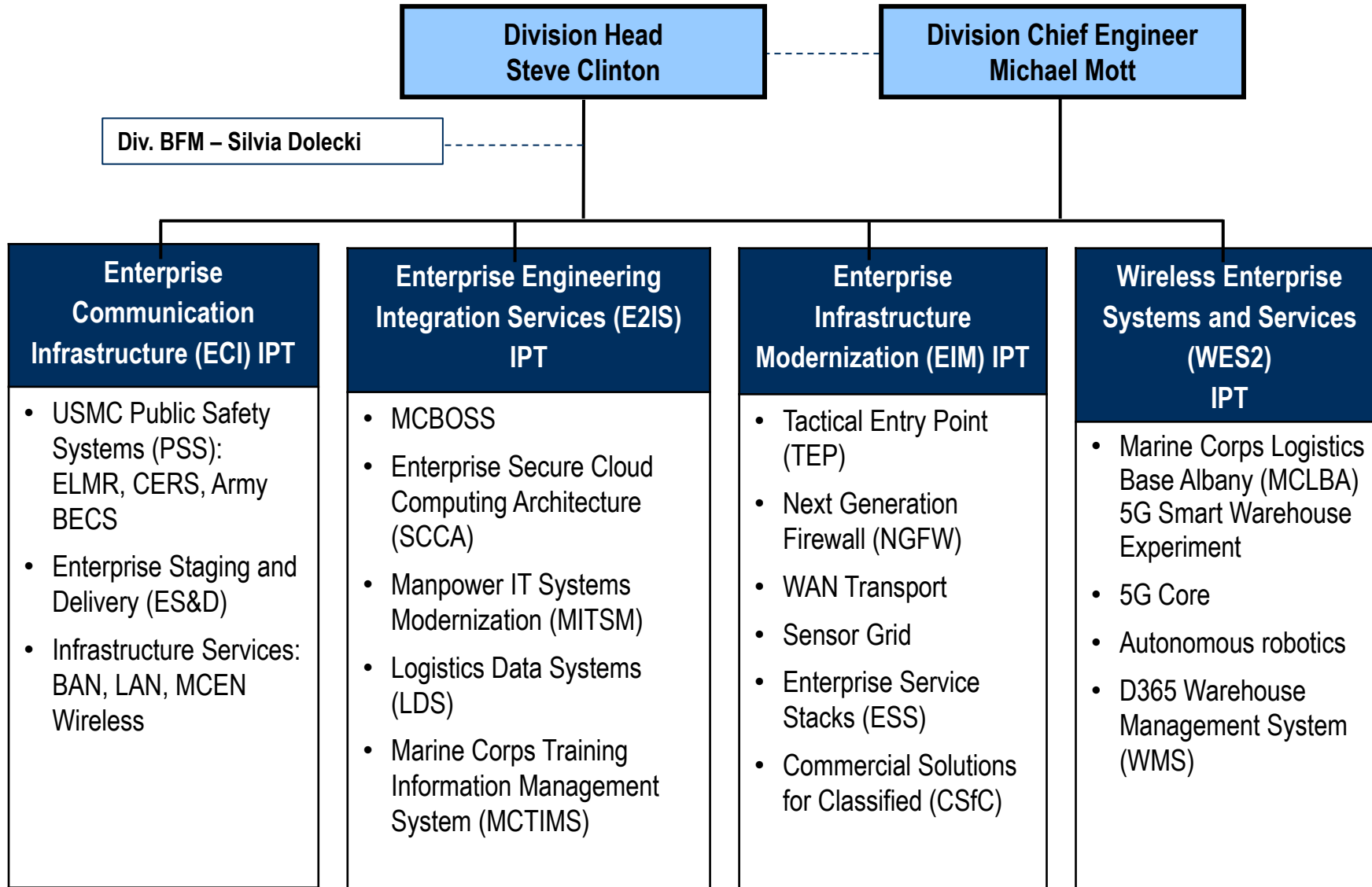
- Enterprise Infrastructure Modernization (EIM)
- Public Safety Systems (PSS)
- **Base Infrastructure (BAN/LAN/Wireless)**
- 5G Infrastructure and Application Experimentation

Powering the Kill Chain Transformation

Partners



E2S2 Division Organization / IPT Efforts



Embeds:

- Deputy Commandant for Information (DC-I)
 - IC4
 - Service Data Office (SDO)
- PEO Digital Enterprise Services (DES)
 - PfM COO
 - PfM CaOS
 - PfM DWS
- PEO Manpower, Logistics, & Business Solutions (MLB)
 - MITSM
 - PM NABS
 - GCSS-MC & LIS

Infrastructure Investments (Government Site):

- 2 SECRET labs; 1 MCEN-S SVTC
- 2 UNCLASS labs
 - EIM / IPOC
 - PSS

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Naval Information Warfare Center Atlantic **Expeditionary Platform Integration Division**

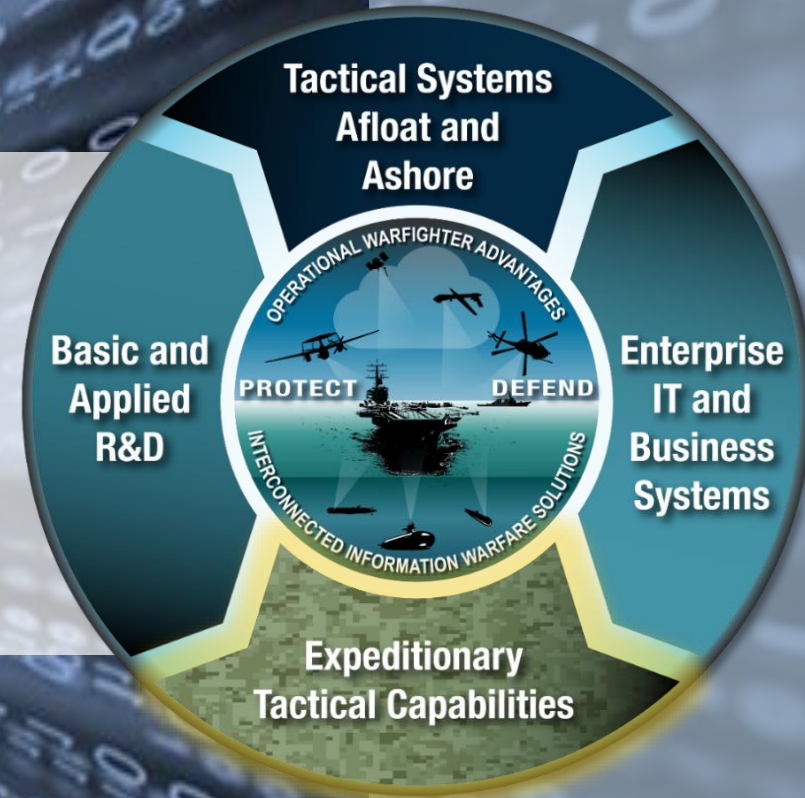
**Transforming Combat Vehicles into
Mobile C4ISR Platforms**

Jenny Bennett

NIWC Atlantic

Expeditionary Platform Integration

Division Head (A)



Expeditionary Platform Integration (EPI) Division Overview

Primary Partners:

- **PEO Land Systems**
 - PM Advanced Amphibious Assault
 - PM Ground Based Air Defense
 - PM Light Armored Vehicles
 - PM Light Tactical Vehicles
 - PM Medium & Heavy Tactical Vehicles
 - PM MAGTF C2 – (NOTM & EXCOMM)
- **MARCORSYSCOM**
 - PFM GWS – PM Fires
- **USN - Naval Expeditionary PO**
- **USA**
 - PEO CS & CSS – PdD Light Tactical Vehicle
 - PM Medium Mine Protected Vehicles
- **USAF - AFCENT/MRAP PO/JLTV PO**

IPTs

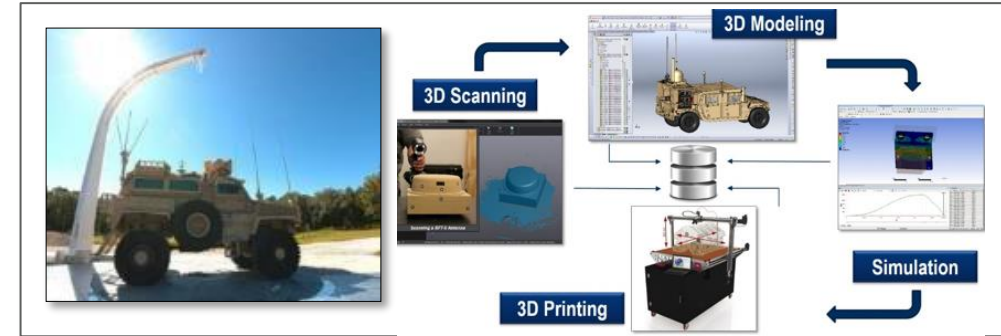
Vehicular Technology Transition
Modern Vehicle Fielding
Counter Threat Platforms
Advanced Reconnaissance
Fielded Ground Systems

What We Do:

Provide **design, engineering and full-scale integration** of C4ISR capabilities into tactical vehicle platforms. **Improve** efficiency and effectiveness of **integrating capabilities on vehicle platforms** for **specific mission activities**.
Provide **post-fielding sustainment support**.

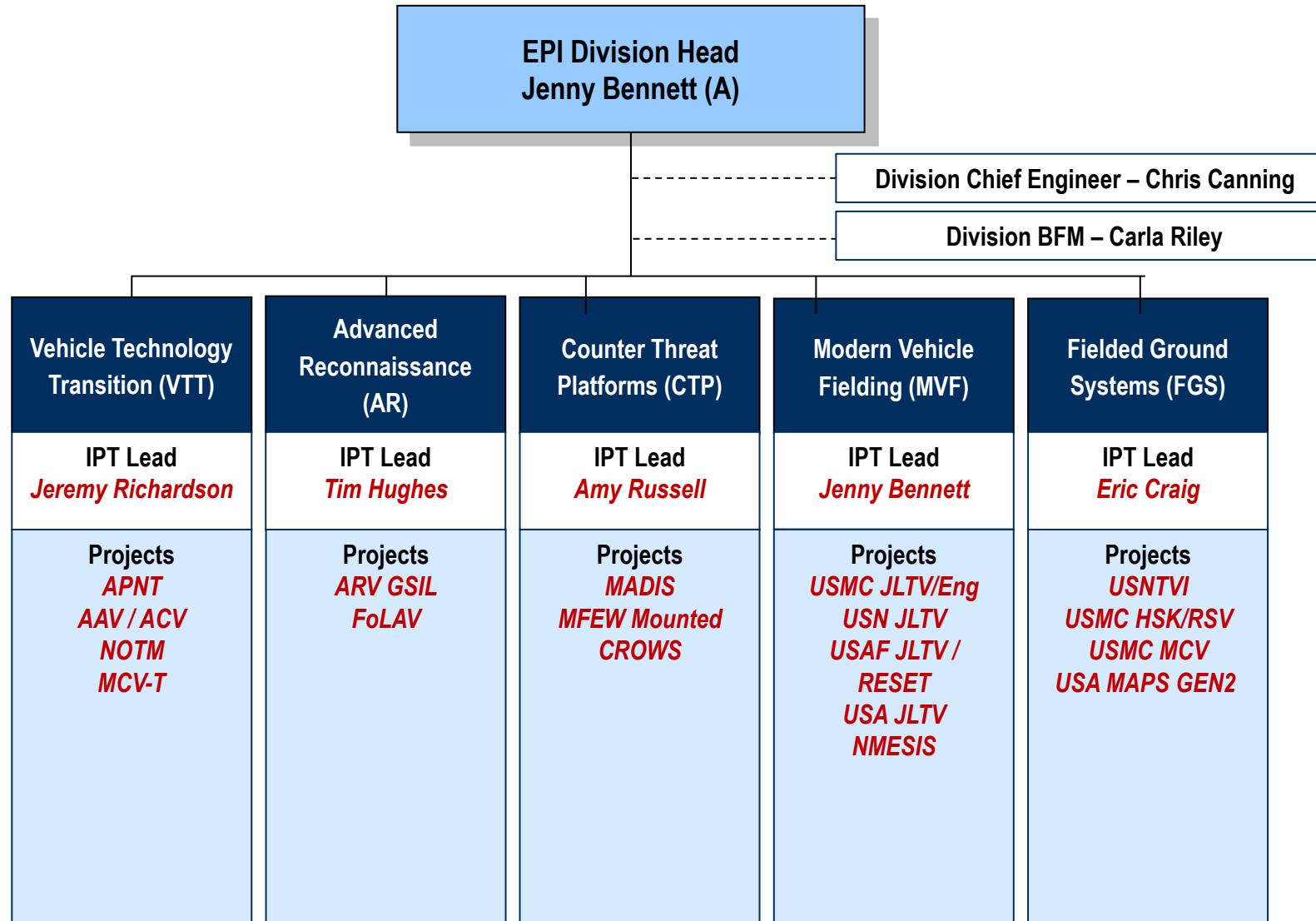
Major Systems / Solutions

- C4ISR system integration (USMC, SOCOM, USN, USA, USAF)
- Platforms:
 - MRAP, JLTV, MTVR, LVSF
 - AAV, ACV-P & ACV-C, ARVC4UAS & LAV...
- Digital Integration Facility (DIF)
- Networking on the Move (NOTM)
- Assured Position Navigation and Timing (A-PNT)
- Marine Air Defense Integrated System (MADIS)



Transforming Combat Vehicles into Mobile C4ISR Platforms

EPI Division Organization / IPT Efforts



Embeds:

- PFM CES
 - PM CS ExCOMM
- PEO LS
 - PM AAA

Infrastructure Investments (Government Site):

- Vehicle Integration Facility
- 1 Secure Lab (APNT)
 - JIOR / SDREN
- ESIC Bay - GSILs
- Ranges
 - SAUSR
 - Poseidon Park
- ODM Lab

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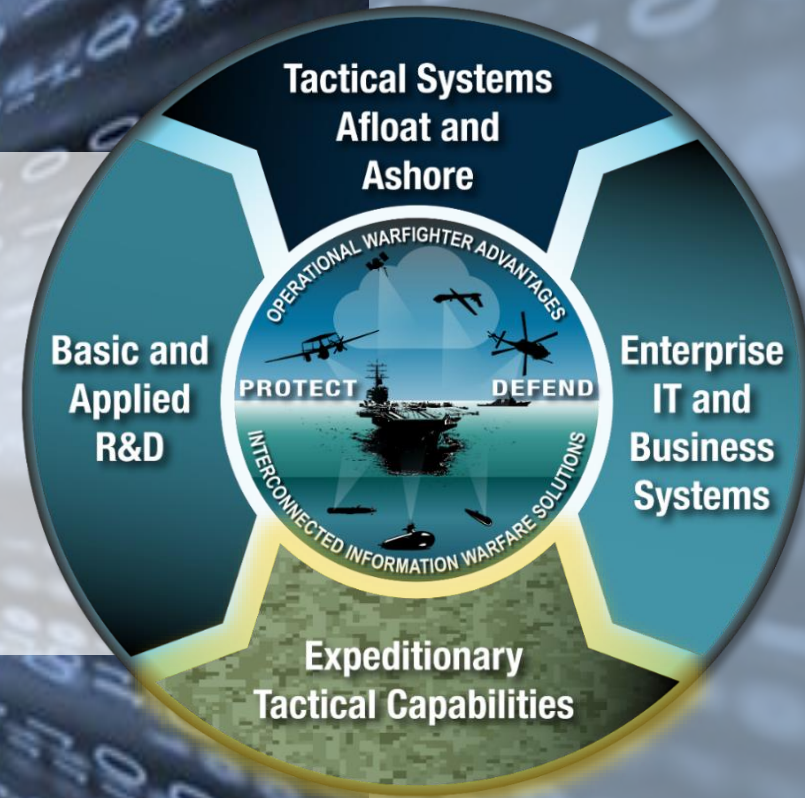
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Expeditionary Warfare

Department

EC3S Division Brief

Mr. Tim Turner
ExW Department
Expeditionary C3 Solutions
Division Head



Expeditionary C3 Solutions (EC3S) Division Overview

Primary Partners:

- **MARCORSYSCOM**
 - PM TCE
 - PM WGC
- **US Navy**
 - Naval Expeditionary Combat Command
- **US SOCOM**
 - PEO Tactical Information Systems
- **MCWL**
 - S&T Div
 - Ex Div
 - Wargaming Div
- **PEO Land Systems**
 - PM MAGTF C2
 - PM Expeditionary Radars
- **ONR**

IPTs

Tactical Services and Infrastructure (TSI)
 MAGTF C2 Services and Applications (MC2SA)
 Advanced Technology Development (ATD)
 USMC Communications Systems (UCS)
 Special Operations Communications Systems (SOCS)
 Electromagnetic Warfare Systems (EWS)

What We Do

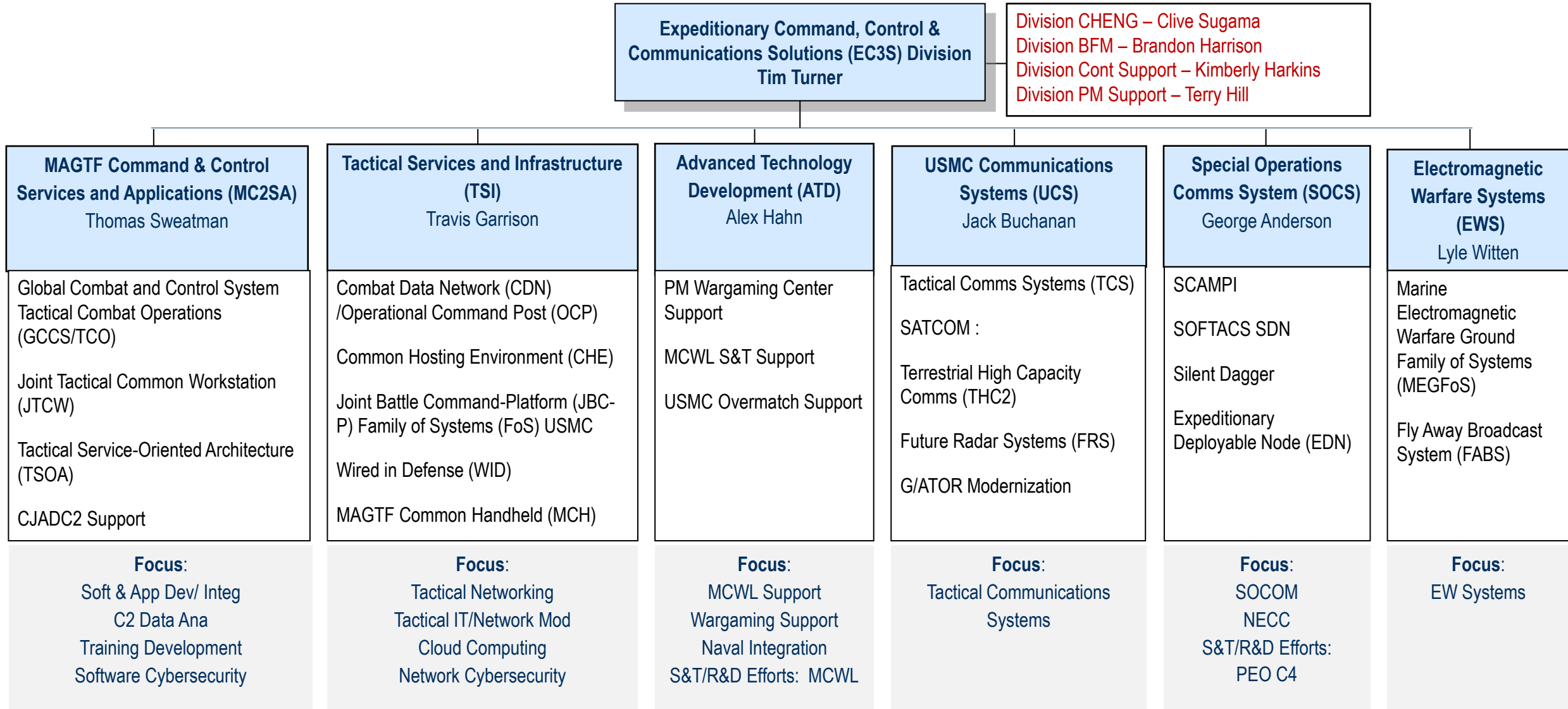
- Develop, integrate and equip Expeditionary Forces with mobile C3 facilities, devices and services that provide fused situational awareness, facilitate information sharing and enhances the decision support process.

Major Systems / Solutions

- Operational Command Post (OCP)
- Combat Data Network (CDN)
- Common Hosting Environment (CHE)
- Tactical Communications Systems
- Joint Tactical Common Operational Picture Workstation (JTCW)
- Tactical Service Oriented Architecture (TSOA)
- Global Command Control System (GCCS) Tactical Combat Operations (TCO)
- Joint Battle Command Platform FoS
- Marine Corps Common Handheld (MCH)
- Ground/Air Task-Oriented Radar (G/ATOR)
- SOFTACS Deployable Network and SCAMPI
- MAGTF Electromagnetic Warfare Ground Family of Systems (MEGFoS)

Provide and
Sustain Tactical
Command,
Control and
Communications
capabilities to
Expeditionary
Forces

EC3S Division Organization / IPT Efforts



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Mission:

Conduct research, development, prototyping, engineering, test and evaluation, installation, and sustainment of integrated information warfare capabilities and services across all warfighting domains with an emphasis on Expeditionary Tactical Capabilities & Enterprise IT and Business Systems in order to drive innovation and warfighter information advantage.

Vision:

WIN THE INFORMATION WAR.

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